



# Open Source Used In AMP Private Cloud 3.0

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Although the Lesser General Public License is Less protective of the

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Version 3, 29 June 2007

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Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

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## 2.8 activerecord-deprecated\_finders 1.0.3

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## 2.46 coffee-script-source 1.6.3

## 2.47 commonjs 0.2.6

## 2.48 crack 0.3.2

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## 2.49 css\_parser 1.3.7

## 2.50 daemons 1.1.9

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## 2.51 daemons/setup.rb 1.1.9

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## 2.58 domain\_name 0.5.25

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## 2.60 dotenv-rails 0.9.0

## 2.61 easy\_translate 0.5.0

## 2.62 eco 1.0.0

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## 2.63 eco-source 1.1.0.rc.1

## 2.64 effin\_utf8 1.0

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## 2.68 erubis 2.7.0

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## 2.69 evented-spec 0.9.0

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## 2.70 exception\_notification 4.1.1

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## 2.71 execjs 1.4.0

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## 2.78 font-awesome-sass 4.3.2.1

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## 2.80 globalid 0.3.6

## 2.81 gon 6.0.1

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## 2.83 highline 1.7.8

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```
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# setup.rb  
#
```

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#
#!/usr/bin/env ruby
```

```
# overwrite.rb
#
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```

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spec/seek\_spec.rb  
spec/shared/each.rb  
spec/shared/eof.rb  
spec/shared/pos.rb  
spec/shared/tty.rb  
spec/shared/write.rb  
spec/sync\_spec.rb  
spec/sysread\_spec.rb  
spec/sysseek\_spec.rb  
spec/syswrite\_spec.rb  
spec/tell\_spec.rb  
spec/to\_io\_spec.rb  
spec/tty\_spec.rb  
spec/ungetc\_spec.rb  
spec/write\_spec.rb  
spec\_helper.rb

## 2.94 `io` 1.2.3

## 2.95 `iostruct` 0.0.4

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## 2.98 jquery-rails 4.0.3

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## 2.99 json 1.8.3

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## 2.101 kaminari 0.14.1

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## 2.104 less-rails 2.3.2

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## 2.105 libv8 3.11.8.13

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## 2.106 libxml-ruby 2.8.0

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## 2.107 license\_finder 0.9.5.1

### 2.107.1 Available under license :

```
require './lib/license_finder/platform'
```

  

```
Gem::Specification.new do |s|  
  s.required_ruby_version = '>= 1.9.3'  
  s.name = "license_finder"  
  s.version = "0.9.5.1"
```

```
s.authors = ["Jacob Maine", "Matthew Kane Parker", "Ian Lesperance", "David Edwards", "Paul Meskers",
"Brent Wheelton", "Trevor John", "David Tengdin", "William Ramsey"]
s.email = ["licensefinder@pivotalabs.com"]
s.homepage = "https://github.com/pivotal/LicenseFinder"
s.summary = "Audit the OSS licenses of your application's dependencies."
```

```
s.description = <<-DESCRIPTION
```

Do you know the licenses of all your application's dependencies? What open source software licenses will your business accept?

LicenseFinder culls your Gemfile, detects the licenses of the gems in it, and gives you a report that you can act on. If you already know

what licenses your business is comfortable with, you can whitelist them, leaving you with an action report of only those dependencies that have

licenses that fall outside of the whitelist.

```
DESCRIPTION
```

```
s.license = "MIT"
```

```
s.add_dependency "bundler"
```

```
s.add_dependency "sequel"
```

```
s.add_dependency "thor"
```

```
s.add_dependency "rake"
```

```
s.add_dependency "httparty"
```

```
s.add_dependency LicenseFinder::Platform.sqlite_gem
```

```
%w(rspec xpath cucumber pry).each do |gem|
```

```
  s.add_development_dependency gem
```

```
end
```

```
s.add_development_dependency "capbara", "~> 2.0.0"
```

```
s.add_development_dependency "rails", "~> 3.2.0"
```

```
s.add_development_dependency "webmock", "~> 1.13"
```

```
s.files = `git ls-files`.split("\n")
```

```
s.test_files = `git ls-files -- {test,spec,features}/*`.split("\n")
```

```
s.executables = `git ls-files -- bin/*`.split("\n").map{ |f| File.basename(f) }
```

```
s.platform = "java" if LicenseFinder::Platform.java?
```

```
end
```

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Feature: Set a dependency's license through a command line interface

So that my dependencies all have the correct licenses

As an application developer

I want a command line interface to set licenses for specific dependencies

Scenario: Setting a license for a dependency

Given I have an app with license finder that depends on an other licensed gem

When I set that gems license to MIT from the command line

Then I should see that other gems license set to MIT

And I see other licensed gems have not changed licenses

Given(/^I have an app with license finder that depends on an other licensed gem\$/) do

@user = ::DSL::User.new

@user.create\_nonrails\_app

@user.add\_license\_finder\_to\_rakefile

@user.add\_dependency\_to\_app 'other\_gem', version: '1.0', license: 'other'

@user.add\_dependency\_to\_app 'control\_gem', version: '1.0', license: 'other'

end

When(/^I set that gems license to MIT from the command line\$/) do

@user.execute\_command 'license\_finder --quiet'

@user.execute\_command 'license\_finder license MIT other\_gem'

@output = @user.execute\_command 'license\_finder --quiet'

end

Then(/^I should see that other gems license set to MIT\$/) do

@output.should include 'other\_gem, 1.0, MIT'

end

Then(/^I see other licensed gems have not changed licenses\$/) do

@output.should include 'control\_gem, 1.0, other'

end

shared\_examples\_for "a license matcher" do

describe "#matches?" do

context "when a license text template exists" do

before do

```

    subject.class.stub(:license_text).and_return('AWESOME "FOO" LICENSE')
  end

  it "should return true if the body matches exactly" do
    subject.text = 'AWESOME "FOO" LICENSE'
    should be_matches
  end

  it "should return false if the body does not match at all" do
    subject.text = "hi"
    should_not be_matches
  end

  it "should return true if the body matches disregarding quote and new line differences" do
    subject.text = "AWESOME\n'FOO'\nLICENSE"
    should be_matches
  end
end

describe "#license_text" do
  it "should always produce a license text" do
    subject.class.license_text.should_not be_nil, "No license text found for #{subject.class}! Add a license template to lib/data/licenses named '#{subject.class.demodulized_name}.txt'"
  end
end

require "spec_helper"

module LicenseFinder
  describe TextReport do
    describe '#to_s' do
      let(:dep1) do
        dependency = Dependency.new(
          'name' => 'gem_a',
          'version' => '1.0'
        )
        dependency.license = LicenseFinder::LicenseAlias.create(name: 'MIT')
        dependency
      end

      let(:dep2) do
        dependency = Dependency.new(
          'name' => 'gem_b',
          'version' => '1.0'
        )
        dependency.license = LicenseFinder::LicenseAlias.create(name: 'MIT')
        dependency
      end
    end
  end
end

```



```

end

subject { TextReport.new([dep2, dep1]).to_s }

it 'should generate a text report with the name, version and license of each dependency, sorted by name' do
  should == "gem_a, 1.0, MIT\ngem_b, 1.0, MIT"
end
end
end
end
require "spec_helper"

class FooLicense < LicenseFinder::License::Base
  self.alternative_names = ["the foo license"]
  self.license_url = "http://foo.license.com"
end

describe LicenseFinder::LicenseUrl do
  describe ".find_by_name" do
    subject { LicenseFinder::LicenseUrl }

    specify { subject.find_by_name("FooLicense").should == "http://foo.license.com" }
    specify { subject.find_by_name("fOoICENse").should == "http://foo.license.com" }
    specify { subject.find_by_name("the foo license").should == "http://foo.license.com" }

    specify { subject.find_by_name(nil).should be_nil }
    specify { subject.find_by_name("").should be_nil }
    specify { subject.find_by_name("unknown license").should be_nil }
  end
end
require 'spec_helper'

module LicenseFinder
  describe Dependency do
    describe '.unapproved' do
      let(:config) { Configuration.new }

      before do
        LicenseFinder.stub(:config).and_return config
        config.whitelist = ["MIT", "other"]
      end

      it "should return all unapproved dependencies" do
        dependency = Dependency.create(name: "unapproved dependency", version: '0.0.1')
        approved = Dependency.create(name: "approved dependency", version: '0.0.1')
        approved.manually_approved = true
        approved.save
        whitelisted = Dependency.create(name: "approved dependency", version: '0.0.1')
      end
    end
  end
end

```

```

whitelisted.license = LicenseAlias.create(name: 'MIT')
whitelisted.save

unapproved = Dependency.unapproved
unapproved.count.should == 1
unapproved.should_not be_any(&:approved?)
end
end

describe ".named" do
  it "creates a new dependency" do
    dep = described_class.named("never_seen")
    dep.name.should == "never_seen"
    dep.should_not be_new
  end

  it "returns an existing dependency" do
    described_class.named("referenced_again")
    dep = described_class.named("referenced_again")
    dep.name.should == "referenced_again"
    dep.should_not be_new
    Dependency.count(name: "referenced_again").should == 1
  end
end

describe "#approve!" do
  it "should update the database to show the dependency is approved" do
    dependency = Dependency.create(name: "foo", version: '0.0.1')
    dependency.approve!
    dependency.reload.should be_approved
  end
end

describe "#approved?" do
  let(:not_manually_approved) { Dependency.create(name: 'some gem', manually_approved: false).reload }
  let(:manually_approved) { Dependency.create(name: 'some gem', manually_approved: true).reload }

  it "is true if its license is whitelisted" do
    not_manually_approved.stub_chain(:license, whitelisted?: true)
    not_manually_approved.should be_approved
  end

  it "is true if it has been approved" do
    manually_approved.stub_chain(:license, whitelisted?: false)
    manually_approved.should be_approved
  end

  it "is false otherwise" do

```

```

    not_manually_approved.stub_chain(:license, whitelisted?: false)
    not_manually_approved.should_not be_approved
  end
end

describe "#set_license_manually!" do
  let(:license) { LicenseAlias.create(name: 'foolicense') }
  let(:dependency) { Dependency.create(name: 'foogem') }

  it "sets manual license to true" do
    dependency.license_manual.should be_false
    dependency.set_license_manually!('Updated')
    dependency.license_manual.should be_true
  end

  it "modifies the license" do
    LicenseAlias.should_receive(:named).with('Updated').and_return(license)
    dependency.set_license_manually!('Updated')
    dependency.reload.license.should == license
  end
end

describe "#bundler_group_names=" do
  let(:dependency) { Dependency.named('some gem') }

  it "saves the bundler groups" do
    dependency.bundler_group_names = %w[1 2 3]
    dependency.bundler_groups.map(&:name).should =~ %w[1 2 3]
  end

  it "removed outdated groups and adds new groups" do
    dependency.add_bundler_group BundlerGroup.named('old')
    dependency.add_bundler_group BundlerGroup.named('maintained')
    dependency.bundler_group_names = %w[new maintained]
    dependency.bundler_groups.map(&:name).should =~ %w[new maintained]
  end
end

describe "children_names=" do
  let(:dependency) { Dependency.named('some gem') }

  it "saves the children" do
    dependency.children_names = %w[1 2 3]
    dependency.children.map(&:name).should =~ %w[1 2 3]
  end

  it "removes outdated children and adds new children" do
    dependency.add_child Dependency.named('old')

```

```

    dependency.add_child Dependency.named('maintained')
    dependency.children_names = %w[new maintained]
    dependency.children.map(&:name).should =~ %w[new maintained]
  end
end

describe "#apply_better_license" do
  let(:dependency) { Dependency.named('some gem') }

  it "keeps a manually assigned license" do
    dependency.license = LicenseAlias.named("manual")
    dependency.license_manual = true

    dependency.apply_better_license "new"
    dependency.license.name.should == "manual"
  end

  it "saves a new license" do
    dependency.apply_better_license "new license"
    dependency.license.name.should == "new license"
  end

  it "re-uses an existing, unassociated, license alias" do
    dependency.license = LicenseAlias.named("old")

    new_license = LicenseAlias.named("new license")

    dependency.apply_better_license "new license"
    dependency.license.should == new_license
  end

  it "updates the license's name" do
    dependency.license = LicenseAlias.named("old")

    dependency.apply_better_license "new license"
    dependency.license.name.should == "new license"
  end

  it "does not change the approval" do
    dependency.license = LicenseAlias.named("old")
    dependency.manually_approved = true

    dependency.apply_better_license "new license"
    dependency.should be_approved
  end
end
end
end
end

```

```

require 'spec_helper'

module LicenseFinder
  describe LicenseAlias do
    describe 'initializes' do
      it "delegates to LicenseUrl.find_by_name for the url" do
        LicenseUrl.stub(:find_by_name).with("MIT").and_return "http://license-url.com"
        license = described_class.new(name: 'MIT')
        license.url.should == "http://license-url.com"
      end
    end
  end

  describe "#whitelisted?" do
    let(:config) { Configuration.new }

    before do
      LicenseFinder.stub(:config).and_return config
      config.whitelist = ["MIT", "other"]
    end

    it "should return true when the license is whitelisted" do
      described_class.new(name: 'MIT').should be_whitelisted
    end

    it "should return true when the license is an alternative name of a whitelisted license" do
      described_class.new(name: 'Expat').should be_whitelisted
    end

    it "should return true when the license has no matching license class, but is whitelisted anyways" do
      described_class.new(name: 'other').should be_whitelisted
    end

    it "should return false when the license is not whitelisted" do
      described_class.new(name: 'GPL').should_not be_whitelisted
    end
  end
end

require 'spec_helper'

module LicenseFinder
  describe PackageSaver do
    let(:package) do
      double(
        :package,
        license: 'license',
        children: ['child'],
        groups: [:group],
      )
    end
  end
end

```

```

summary: 'summary',
description: 'description',
name: 'spec_name',
version: '1.2.3',
homepage: 'http://example.com'
)
end

describe ".save_all" do
  let(:dependency) { double(:dependency).as_null_object }

  it "find and updates relevant dependencies" do
    Dependency.should_receive(:named).with('spec_name').and_return(dependency)
    dependency.should_receive(:save_changes)
    described_class.save_all([package])
  end
end

describe "#save" do
  it "persists changes" do
    dep = Dependency.create(
      name: 'spec_name',
      version: '0.1.2',
      summary: 'old summary',
      description: 'old description',
      homepage: 'old homepage',
      license: LicenseAlias.named('old license')
    )
    dep.add_bundler_group BundlerGroup.named("old group")
    dep.add_child Dependency.named("old child")

    saver = described_class.new(dep, package)
    subject = saver.save

    subject.id.should be
    subject.name.should == "spec_name"
    subject.version.should == "1.2.3"
    subject.summary.should == "summary"
    subject.description.should == "description"
    subject.homepage.should == "http://example.com"
    subject.bundler_groups.map(&:name).should == ['group']
    subject.children.map(&:name).should == ['child']
    subject.license.name.should == 'license'
  end

  it "keeps approval" do
    dep = Dependency.create(
      name: 'spec_name',

```

```

    manually_approved: true
  )
  saver = described_class.new(dep, package)
  subject = saver.save

  subject.should be_approved
end
end
end
require 'spec_helper'

module LicenseFinder
  describe Reporter do
    describe "#write_reports" do
      subject { Reporter.write_reports }

      before do
        Dependency.stub(:all) { [double(:dep)] }
        File.any_instance.stub(:puts)

        LicenseFinder.stub_chain(:config, :dependencies_html) { 'html_file_path' }
        LicenseFinder.stub_chain(:config, :dependencies_text) { 'text_file_path' }
        LicenseFinder.stub_chain(:config, :dependencies_detailed_text) { 'detailed_text_file_path' }
        LicenseFinder.stub_chain(:config, :dependencies_markdown) { 'markdown_file_path' }

        MarkdownReport.stub_chain(:new, :to_s) { 'text report' }
        DetailedTextReport.stub_chain(:new, :to_s) { 'text report' }
        TextReport.stub_chain(:new, :to_s) { 'text report' }
        HtmlReport.stub_chain(:new, :to_s) { 'text report' }

        LicenseFinder.stub_chain(:config, :dependencies_legacy_text) { 'legacy_text_path' }
        File.stub(:exists?).with('legacy_text_path') { false }

        File.stub(:open).with('html_file_path', 'w+')
        File.stub(:open).with('text_file_path', 'w+')
        File.stub(:open).with('detailed_text_file_path', 'w+')
        File.stub(:open).with('markdown_file_path', 'w+')
      end

      it "writes an html file" do
        File.should_receive(:open).with('html_file_path', 'w+')
        File.should_receive(:open).with('text_file_path', 'w+')
        File.should_receive(:open).with('detailed_text_file_path', 'w+')
        File.should_receive(:open).with('markdown_file_path', 'w+')
        subject
      end
    end
  end
end

```

```

it "deletes old dependencies.txt file" do
  File.stub(:exists?).with('legacy_text_path') { true }
  File.should_receive(:delete).with('legacy_text_path')
  subject
end
end
end
end
require 'spec_helper'

module LicenseFinder
  describe PossibleLicenseFiles do
    def fixture_path(fixture)
      Pathname.new(File.join(File.dirname(__FILE__), '..', '..', '..', 'spec', 'fixtures', fixture)).realpath.to_s
    end

    describe "#find" do
      it "is empty if there aren't any license files" do
        subject = described_class.new('/not/a/dir')
        subject.find.should == []
      end

      it "includes files with names like LICENSE, License or COPYING" do
        subject = described_class.new(fixture_path('license_names'))

        subject.find.map(&:file_path).should =~
          %w[COPYING.txt LICENSE Mit-License README.rdoc Licence.rdoc]
      end

      it "includes files deep in the hierarchy" do
        subject = described_class.new(fixture_path('nested_gem'))

        subject.find.map(&:file_path).should =~ %w[vendor/LICENSE]
      end

      it "includes both files nested inside LICENSE directory and top level files" do
        subject = described_class.new(fixture_path('license_directory'))
        found_license_files = subject.find

        found_license_files.map(&:file_path).should =~ %w[
          LICENSE/BSD-2-Clause.txt
          LICENSE/GPL-2.0.txt
          LICENSE/MIT.txt
          LICENSE/RUBY.txt
          COPYING
          LICENSE/LICENSE
        ]
      end
    end
  end
end

```



```

it "handles non UTF8 encodings" do
  subject = described_class.new(fixture_path('utf8_gem'))
  expect { subject.find }.not_to raise_error
end
end
end
end
require 'spec_helper'

describe LicenseFinder::PossibleLicenseFile do
  context "file parsing" do
    subject { LicenseFinder::PossibleLicenseFile.new('root', 'root/nested/path') }

    context "ignoring text" do
      before do
        subject.stub(:text).and_return('file text')
      end

      its(:file_path) { should == 'nested/path' }
      its(:text) { should == 'file text' }
    end
  end

  subject { LicenseFinder::PossibleLicenseFile.new('gem', 'gem/license/path') }

  context "with a known license" do
    before do
      subject.stub(:text).and_return('a known license')

      LicenseFinder::License::MIT.stub(:new).with('a known license').and_return(double('MIT license', :matches? =>
true))
    end

    its(:license) { should == "MIT" }
  end

  context "with an unknown license" do
    before do
      subject.stub(:text).and_return("")
    end

    its(:license) { should be_nil }
  end
end
require "spec_helper"

describe LicenseFinder::YmlToSql do

```

```

let(:legacy_attributes) do
  {
    'name' => "spec_name",
    'version' => "2.1.3",
    'license' => "GPLv2",
    'license_url' => "www.license_url.org",
    'approved' => true,
    'summary' => "some summary",
    'description' => "some description",
    'homepage' => 'www.homepage.com',
    'children' => ["child1_name"],
    'parents' => ["parent1_name"],
    'bundler_groups' => [:test],
    'source' => source,

    'notes' => 'some notes',
    'license_files' => ["/Users/pivotal/foo/lic1", "/Users/pivotal/bar/lic2"],
  }
end
let(:config) { LicenseFinder::Configuration.new }
let(:source) { nil }

before do
  LicenseFinder.stub(:config) { config }
end

describe ".needs_conversion?" do
  it "is true if the yml still exists" do
    config.stub(dependencies_dir: 'path/to')
    File.should_receive(:exists?).with('path/to/dependencies.yml') { true }
    described_class.needs_conversion?.should be_true
  end

  it "is false otherwise" do
    config.stub(dependencies_dir: 'path/to')
    File.should_receive(:exists?).with('path/to/dependencies.yml') { false }
    described_class.needs_conversion?.should be_false
  end
end

describe ".remove_yml" do
  it "removes the yml file" do
    config.stub(dependencies_dir: 'path/to')
    File.should_receive(:delete).with('path/to/dependencies.yml')
    described_class.remove_yml
  end
end

```

```

describe '.convert_all' do
  before do
    (LicenseFinder::DB.tables - [:schema_migrations]).each { |table| LicenseFinder::DB[table].truncate }
  end

  describe "when dependency source is set to bundle" do
    let(:source) { "bundle" }

    it "sets manual to be false" do
      described_class.convert_all([legacy_attributes])

      saved_dep = described_class::Sql::Dependency.first
      saved_dep.should_not be_manual
    end
  end

  describe "when dependency source is not set to bundle" do
    let(:source) { "" }

    it "sets manual to be true" do
      described_class.convert_all([legacy_attributes])

      saved_dep = described_class::Sql::Dependency.first
      saved_dep.should be_manual
    end
  end

  it "persists all of the dependency's attributes" do
    described_class.convert_all([legacy_attributes])

    described_class::Sql::Dependency.count.should == 1
    saved_dep = described_class::Sql::Dependency.first
    saved_dep.name.should == "spec_name"
    saved_dep.version.should == "2.1.3"
    saved_dep.summary.should == "some summary"
    saved_dep.description.should == "some description"
    saved_dep.homepage.should == "www.homepage.com"
    saved_dep.manually_approved.should be_true
  end

  it "associates the license to the dependency" do
    described_class.convert_all([legacy_attributes])

    saved_dep = described_class::Sql::Dependency.first
    saved_dep.license.name.should == "GPLv2"
    saved_dep.license.url.should == "http://www.gnu.org/licenses/gpl-2.0.txt"
  end
end

```

```

it "associates bundler groups" do
  described_class.convert_all([legacy_attributes])

  saved_dep = described_class::Sql::Dependency.first
  saved_dep.bundler_groups.count.should == 1
  saved_dep.bundler_groups.first.name.should == 'test'
end

it "associates children" do
  child_attrs = {
    'name' => 'child1_name',
    'version' => '0.0.1',
    'license' => 'other'
  }
  described_class.convert_all([legacy_attributes, child_attrs])

  described_class::Sql::Dependency.count.should == 2
  saved_dep = described_class::Sql::Dependency.first(name: 'spec_name')
  saved_dep.children.count.should == 1
  saved_dep.children.first.name.should == 'child1_name'
end
end
end
require "spec_helper"

module LicenseFinder
  module CLI
    describe Dependencies do
      describe "add" do
        it "adds a dependency" do
          DependencyManager.should_receive(:create_manually_managed).with("MIT", "js_dep", "1.2.3")

          silence_stdout do
            subject.add("MIT", "js_dep", "1.2.3")
          end
        end

        it "does not require a version" do
          DependencyManager.should_receive(:create_manually_managed).with("MIT", "js_dep", nil)

          silence_stdout do
            subject.add("MIT", "js_dep")
          end
        end

        it "has an --approve option to approve the added dependency" do
          DependencyManager.should_receive(:create_manually_managed).with("MIT", "js_dep", "1.2.3")
          DependencyManager.should_receive(:approve!).with("js_dep")
        end
      end
    end
  end
end

```

```
silence_stdout do
  LicenseFinder::CLI::Main.start(["dependencies", "add", "--approve", "MIT", "js_dep", "1.2.3"])
end
end
end
```

```
describe "remove" do
  it "removes a dependency" do
    DependencyManager.should_receive(:destroy_manually_managed).with("js_dep")
    silence_stdout do
      subject.remove("js_dep")
    end
  end
end
end
end
```

```
describe Whitelist do
  let(:config) { LicenseFinder.config }
```

```
  describe "list" do
    it "shows the whitelist of licenses" do
      config.should_receive(:whitelist).and_return([])

      silence_stdout do
        subject.list
      end
    end
  end
end
```

```
  describe "add" do
    it "adds the specified license to the whitelist" do
      config.whitelist.should_receive(:push).with("test")
      config.should_receive(:save)
      Reporter.should_receive(:write_reports)

      silence_stdout do
        subject.add("test")
      end
    end
  end
```

```
  it "adds multiple licenses to the whitelist" do
    config.whitelist.should_receive(:push).with("test")
    config.whitelist.should_receive(:push).with("rest")
    config.should_receive(:save)
    Reporter.should_receive(:write_reports)

    silence_stdout do
```

```

    subject.add("test", "rest")
  end
end
end

describe "remove" do
  it "removes the specified license from the whitelist" do
    config.should_receive(:save)
    config.whitelist.should_receive(:delete).with("test")
    Reporter.should_receive(:write_reports)

    silence_stdout do

      subject.remove("test")
    end
  end

  it "removes multiple licenses from the whitelist" do
    config.should_receive(:save)
    config.whitelist.should_receive(:delete).with("test")
    config.whitelist.should_receive(:delete).with("rest")
    Reporter.should_receive(:write_reports)

    silence_stdout do
      subject.remove("test", "rest")
    end
  end
end

describe ProjectName do
  let(:config) { LicenseFinder.config }

  describe "set" do
    it "sets the project name" do
      config.should_receive(:save)
      config.project_name.should_not eq("new_project_name")
      Reporter.should_receive(:write_reports)

      silence_stdout do
        subject.set("new_project_name")
      end

      config.project_name.should eq("new_project_name")
    end
  end
end
end

```

```

describe IgnoredBundlerGroups do
  let(:config) { LicenseFinder.config }

  describe "list" do
    it "shows the ignored groups in the standard output" do
      config.should_receive(:ignore_groups).and_return([])

      silence_stdout do
        subject.list
      end
    end
  end

  describe "add" do
    it "adds the specified group to the ignored groups list" do
      config.ignore_groups.should_receive(:push).with("test")
      config.should_receive(:save)
      Reporter.should_receive(:write_reports)

      silence_stdout do
        subject.add("test")
      end
    end
  end

  describe "remove" do
    it "removes the specified group from the ignored groups list" do
      config.ignore_groups.should_receive(:delete).with("test")
      config.should_receive(:save)
      Reporter.should_receive(:write_reports)

      silence_stdout do
        subject.remove("test")
      end
    end
  end

  describe Main do
    describe "default" do
      it "checks for action items" do
        DependencyManager.should_receive(:sync_with_package_managers)
        Dependency.stub(:unapproved) { [] }
        silence_stdout do
          described_class.start([])
        end
      end
    end
  end
end

```

```

describe "#rescan" do
  it "resyncs with Gemfile" do
    DependencyManager.should_receive(:sync_with_package_managers)
    Dependency.stub(:unapproved) { [] }

    silence_stdout do
      subject.rescan
    end
  end
end

describe "#license" do
  it "updates the license on the requested gem" do
    DependencyManager.should_receive(:license!).with("foo_gem", "foo")

    silence_stdout do
      subject.license 'foo', 'foo_gem'
    end
  end
end

describe "#approve" do
  it "approves the requested gem" do
    DependencyManager.should_receive(:approve!).with("foo")

    silence_stdout do
      subject.approve 'foo'
    end
  end

  it "approves multiple gem" do
    DependencyManager.should_receive(:approve!).with("foo")
    DependencyManager.should_receive(:approve!).with("bar")

    silence_stdout do
      subject.approve 'foo', 'bar'
    end
  end
end

describe "#action_items" do
  it "reports unapproved dependencies" do
    Dependency.stub(:unapproved) { ['one dependency'] }
    TextReport.stub(:new) { double(:report, to_s: "a report!") }
    silence_stdout do
      $stdout.stub(:puts)
      $stdout.should_receive(:puts).with(/dependencies/i)
    end
  end
end

```



```

    expect { subject.action_items }.to raise_error(SystemExit)
  end
end

it "reports that all dependencies are approved" do
  Dependency.stub(:unapproved) { [] }
  silence_stdout do
    $stdout.should_receive(:puts).with(/approved/i)
    expect { subject.action_items }.to_not raise_error
  end
end
end
end
end
end
require 'spec_helper'

```

```

module LicenseFinder
  describe NPM do
    describe '.current_packages' do
      before { NPM.instance_variable_set(:@modules, nil) }

```

```

      it 'fetches data from npm' do
        json = <<-JSON
        {
          "dependencies": {
            "dependency.js": {
              "name": "depjs",
              "version": "1.3.3.7",
              "description": "description",
              "readme": "readme",
              "path": "/path/to/thing"
            },
            "dependency2.js": {
              "name": "dep2js",
              "version": "4.2",
              "description": "description2",
              "readme": "readme2",
              "path": "/path/to/thing2"
            }
          },
          "devDependencies": {
            "dependency3.js": {
              "name": "dep3js",
              "version": "4.2",
              "description": "description3",
              "readme": "readme3",
              "path": "/path/to/thing3"
            }
          }
        }
      end
    end
  end
end

```

```

    }
  },
  "bundledDependencies": {
    "dependency4.js": {
      "name": "dep4js",
      "version": "4.2",
      "description": "description4",
      "readme": "readme4",
      "path": "/path/to/thing4"
    }
  },
  "bundleDependencies": {
    "dependency5.js": {
      "name": "dep5js",
      "version": "4.2",
      "description": "description5",
      "readme": "readme5",
      "path": "/path/to/thing5"
    }
  },
  "notADependency": {
    "dependency6.js": {
      "name": "dep6js",
      "version": "4.2",
      "description": "description6",
      "readme": "readme6",
      "path": "/path/to/thing6"
    }
  }
}
JSON
allow(NPM).to receive(:capture).with(/npm/).and_return([json, true])

```

```
current_packages = NPM.current_packages
```

```

expect(current_packages.map(&:name)).to eq(["depjs", "dep2js", "dep3js", "dep5js", "dep4js"])
expect(current_packages.first).to be_a(Package)
expect(current_packages.first.name).to eq("depjs")
end

```

```
it "does not support name version string" do
```

```

  json = <<-JSON
  {
    "devDependencies": {
      "foo": "4.2"
    }
  }

```

```
JSON
```

```

allow(NPM).to receive(:capture).with(/npm/).and_return([json, true])

current_packages = NPM.current_packages

expect(current_packages.map(&:name)).to eq([])
end

it "fails when command fails" do
  allow(NPM).to receive(:capture).with(/npm/).and_return('Some error', false).once
  expect { NPM.current_packages }.to raise_error(RuntimeError)
end

it "does not fail when command fails but produces output" do
  allow(NPM).to receive(:capture).with(/npm/).and_return('{"foo":"bar"}', false).once
  NPM.current_packages
end
end

describe '.active?' do
  let(:package) { Pathname.new('package.json').expand_path }

  context 'with a package.json file' do
    before :each do
      allow(File).to receive(:exists?).with(package).and_return(true)
    end

    it 'returns true' do
      expect(NPM.active?).to eq(true)
    end
  end

  context 'without a package file' do
    before :each do
      allow(File).to receive(:exists?).with(package).and_return(false)
    end

    it 'returns false' do
      expect(NPM.active?).to eq(false)
    end
  end
end
end
require 'spec_helper'

module LicenseFinder
  describe PipPackage do
    subject { make_package({}) }
  end
end

```

```

it_behaves_like "it conforms to interface required by PackageSaver"

def make_package(pypi_def)
  described_class.new('jasmine', '1.3.1', 'jasmine/install/path', pypi_def)
end

its(:name) { should == "jasmine" }
its(:version) { should == "1.3.1" }
its(:homepage) { should == nil }
its(:groups) { should == [] }
its(:children) { should == [] }

describe "#summary" do
  it "delegates to pypi def" do
    subject = make_package("summary" => "A summary")
    expect(subject.summary).to eq("A summary")
  end

  it "falls back to nothing" do
    expect(subject.summary).to eq("")
  end
end

describe "#description" do
  it "delegates to pypi def" do
    subject = make_package("description" => "A description")
    expect(subject.description).to eq("A description")
  end

  it "falls back to nothing" do
    expect(subject.description).to eq("")
  end
end

describe "#homepage" do
  it "delegates to pypi def" do
    subject = make_package("home_page" => "A homepage")
    expect(subject.homepage).to eq("A homepage")
  end

  it "falls back to nothing" do
    expect(subject.homepage).to be_nil
  end
end

describe '#license' do
  describe "with pypi license" do

```

```

it "returns the license from 'license' preferentially" do
  data = { "license" => "MIT", "classifiers" => [ 'License :: OSI Approved :: Apache 2.0 License' ] }

  subject = make_package(data)

  expect(subject.license).to eq('MIT')
end

it "returns the first license from the 'classifiers' if no 'license' exists" do
  data = { "classifiers" => [ 'License :: OSI Approved :: Apache 2.0 License' ] }

  subject = make_package(data)

  expect(subject.license).to eq('Apache 2.0 License')
end

describe "without pypi license" do
  def stub_license_files(license_files)
    PossibleLicenseFiles.stub(:find).with("jasmine/install/path").and_return(license_files)
  end

  it 'returns license from file' do
    stub_license_files [double(:license_file, license: 'License from file')]
    expect(subject.license).to eq('License from file')
  end

  it 'returns other if no license can be found' do
    stub_license_files []
    expect(subject.license).to eq('other')
  end
end

require "spec_helper"

module LicenseFinder
  describe Bundler do
    let(:definition) do
      double('definition', {
        :dependencies => [],
        :groups => [:dev, :production],
        :specs_for => [
          build_gemspec('gem1', '1.2.3'),
          build_gemspec('gem2', '0.4.2')
        ]
      })
    end
  end
end

```

```

end

def build_gemspec(name, version, dependency=nil)
  Gem::Specification.new do |s|
    s.name = name
    s.version = version
    s.summary = 'summary'
    s.description = 'description'

    if dependency
      s.add_dependency dependency
    end
  end
end

describe '.current_packages' do
  subject do
    Bundler.current_packages(config)
  end

  let(:config) { double(:config, ignore_groups: ['dev', 'test']) }

  before do
    ::Bundler::Definition.stub(:build).and_return(definition)
  end

  it "should have 2 dependencies" do
    subject.size.should == 2
  end

  context "when initialized with a parent and child gem" do
    before do
      definition.stub(:specs_for).with([:production]).and_return([
        build_gemspec('gem1', '1.2.3', 'gem2'),
        build_gemspec('gem2', '0.4.2', 'gem3')
      ])
    end

    it "should update the child dependency with its parent data" do
      gem1 = subject.first

      gem1.children.should == ["gem2"]
    end

    it "should only include the children which are project dependencies" do
      gem2 = subject[1]

      gem2.children.should == []
    end
  end
end

```

```

    end
  end
end

describe '.active?' do
  let(:gemfile) { Pathname.new('Gemfile').expand_path }

  before :each do
    allow(File).to receive(:exists?).and_call_original
  end

  context 'without a Gemfile' do
    it 'returns false' do
      allow(File).to receive(:exists?).with(gemfile).and_return(false)

      Bundler.active?.should == false
    end
  end

  context 'with a Gemfile' do
    it 'returns true' do
      allow(File).to receive(:exists?).with(gemfile).and_return(true)

      Bundler.active?.should == true
    end
  end
end
end
require 'spec_helper'

module LicenseFinder
  describe Bower do
    describe '.current_packages' do
      it 'lists all the current packages' do
        json = <<-resp
        {
          "dependencies": {
            "dependency-library": {
              "canonicalDir": "/path/to/thing",
              "pkgMeta": {
                "name": "dependency-library",
                "description": "description",
                "version": "1.3.3.7",
                "main": "normalize.css"
              }
            },
            "another-dependency": {

```

```

"canonicalDir": "/path/to/thing2",
"pkgMeta": {
  "name": "another-dependency",
  "description": "description2",
  "version": "4.2",
  "main": "denormalize.css"
}
}
}
}
}

resp
allow(Bower).to receive(:`).with(/bower/).and_return(json)

current_packages = Bower.current_packages

expect(current_packages.size).to eq(2)
expect(current_packages.first).to be_a(Package)
end
end

describe 'active?' do
  let(:package) { Pathname.new('bower.json').expand_path }

  context 'with a bower.json file' do
    before :each do
      allow(File).to receive(:exists?).with(package).and_return(true)
    end

    it 'returns true' do
      expect(Bower.active?).to eq(true)
    end
  end

  context 'without a bower.json file' do
    before :each do
      allow(File).to receive(:exists?).with(package).and_return(false)
    end

    it 'returns false' do
      expect(Bower.active?).to eq(false)
    end
  end
end
end
end
end
require 'spec_helper'

module LicenseFinder

```



```
describe BowerPackage do
```

```
  subject do
```

```
    described_class.new(  
      "canonicalDir" => "/path/to/thing",  
      "pkgMeta" => {  
        "name" => "dependency-library",  
        "description" => "description",  
        "version" => "1.3.3.7",  
        "main" => "normalize.css",  
        "readme" => "some readme stuff",  
        "homepage" => "homepage"  
      }  
    )  
  end
```

```
  it_behaves_like "it conforms to interface required by PackageSaver"
```

```
  its(:name) { should == "dependency-library" }  
  its(:version) { should == "1.3.3.7" }  
  its(:summary) { should == "description" }  
  its(:description) { should == "some readme stuff" }  
  its(:homepage) { should == "homepage" }  
  its(:groups) { should == [] }  
  its(:children) { should == [] }
```

```
  describe '#license' do
```

```
    def stub_license_files(license_files)  
      PossibleLicenseFiles.stub(:find).with("/path/to/thing").and_return(license_files)  
    end
```

```
    let(:package1) { { "pkgMeta" => { "license" => "MIT" } } }  
    let(:package2) { { "pkgMeta" => { "licenses" => [{"type" => "BSD", "url" => "github.github/github"}] } } }  
    let(:package3) { { "pkgMeta" => { "license" => {"type" => "PSF", "url" => "github.github/github"} } } }  
    let(:package4) { { "pkgMeta" => { "licenses" => ["MIT"] } } }
```

```
    it 'finds the license for both license structures' do
```

```
      BowerPackage.new(package1).license.should eq("MIT")  
      BowerPackage.new(package2).license.should eq("BSD")  
      BowerPackage.new(package3).license.should eq("PSF")  
      BowerPackage.new(package4).license.should eq("MIT")  
    end
```

```
    it "returns a license in a file if detected" do
```

```
      stub_license_files [double(:file, license: 'Detected License')]
```

```
      subject.license.should == "Detected License"
```

```
    end
```

```

it "returns 'other' otherwise" do
  stub_license_files []

  subject.license.should == "other"
end
end
end
end
require 'spec_helper'

module LicenseFinder
  describe Pip do
    describe '.current_packages' do
      def stub_pip(stdout)
        allow(Pip).to receive(:`).with(/python/).and_return(stdout)
      end

      def stub_pypi(name, version, response)
        stub_request(:get, "https://pypi.python.org/pypi/#{name}/#{version}/json").
          to_return(response)
      end

      it 'fetches data from pip' do
        stub_pip(['jasmine', '1.3.1', 'jasmine/path'], ['jasmine-core', '1.3.1', 'jasmine-core/path'])
        stub_pypi("jasmine", "1.3.1", status: 200, body: '{}')
        stub_pypi("jasmine-core", "1.3.1", status: 200, body: '{}')

        current_packages = Pip.current_packages

        expect(current_packages.size).to eq(2)
        expect(current_packages.first).to be_a(Package)
      end

      it "fetches data from pypi" do
        stub_pip(['jasmine', '1.3.1', 'jasmine/path'])
        stub_pypi("jasmine", "1.3.1", status: 200, body: JSON.generate(info: {summary: "A summary"}))

        expect(PipPackage).to receive(:new).with("jasmine", "1.3.1", "jasmine/path/jasmine", "summary" => "A
summary")
        Pip.current_packages
      end

      it "ignores pypi if it can't find useful info" do
        stub_pip(['jasmine', '1.3.1', 'jasmine/path'])
        stub_pypi("jasmine", "1.3.1", status: 404, body: "")

        expect(PipPackage).to receive(:new).with("jasmine", "1.3.1", "jasmine/path/jasmine", {})
        Pip.current_packages
      end
    end
  end
end

```

```

end
end

describe '.active?' do
  let(:requirements) { Pathname.new('requirements.txt').expand_path }

  context 'with a requirements file' do
    before :each do
      allow(File).to receive(:exists?).with(requirements).and_return(true)
    end

    it 'returns true' do
      expect(Pip.active?).to eq(true)
    end
  end

  context 'without a requirements file' do
    before :each do
      allow(File).to receive(:exists?).with(requirements).and_return(false)
    end

    it 'returns false' do
      expect(Pip.active?).to eq(false)
    end
  end
end
end
end
require 'spec_helper'

module LicenseFinder
  describe BundlerPackage do
    subject { described_class.new(gemspec, nil) }

    it_behaves_like "it conforms to interface required by PackageSaver"

    let(:gemspec) do
      Gem::Specification.new do |s|
        s.name = 'spec_name'
        s.version = '2.1.3'
        s.summary = 'summary'
        s.description = 'description'
        s.homepage = 'homepage'

        s.add_dependency 'foo'
      end
    end
  end
end

```

```

its(:name) { should == 'spec_name' }
its(:version) { should == '2.1.3' }
its(:summary) { should == "summary" }
its(:description) { should == "description" }
its(:homepage) { should == "homepage" }
its(:groups) { should == [] }
its(:children) { should == [] }

describe "#license" do
  def stub_license_files(license_files)
    PossibleLicenseFiles.stub(:find).and_return(license_files)
  end

  it "returns the license from the gemspec if provided" do
    gemspec.license = 'Gemspec License'

    subject.license.should == "Gemspec License"
  end

  it "returns the first license if the gemspec provides many" do
    gemspec.licenses = ['First Gemspec License', 'Second Gemspec License']

    subject.license.should == "First Gemspec License"
  end

  it "returns a license in a file if detected" do
    stub_license_files [double(:file, license: 'Detected License')]

    subject.license.should == "Detected License"
  end

  it "returns 'other' otherwise" do
    stub_license_files []

    subject.license.should == "other"
  end
end

describe "#groups" do
  subject { described_class.new(gemspec, bundler_dependency) }

  let(:bundler_dependency) { double(:dependency, groups: [1, 2, 3]) }

  it "returns bundler dependency's groups" do
    subject.groups.should == bundler_dependency.groups
  end
end

```

```

end
require 'spec_helper'

module LicenseFinder
  describe NpmPackage do
    subject do
      described_class.new(
        "name" => "jasmine-node",
        "version" => "1.3.1",
        "description" => "a description",
        "readme" => "a readme",
        "path" => "some/node/package/path",
        "homepage" => "a homepage"
      )
    end

    it_behaves_like "it conforms to interface required by PackageSaver"

    its(:name) { should == "jasmine-node" }
    its(:version) { should == "1.3.1" }
    its(:summary) { should == "a description" }
    its(:description) { should == "a readme" }
    its(:homepage) { should == "a homepage" }
    its(:groups) { should == [] }
    its(:children) { should == [] }

    describe '#license' do
      def stub_license_files(license_files)
        PossibleLicenseFiles.stub(:find).with("some/node/package/path").and_return(license_files)
      end

      let(:node_module1) { {"license" => "MIT"} }
      let(:node_module2) { {"licenses" => [{"type" => "BSD"}]} }
      let(:node_module3) { {"license" => {"type" => "PSF"}} }

      it 'finds the license for both license structures' do
        NpmPackage.new(node_module1).license.should eq("MIT")
        NpmPackage.new(node_module2).license.should eq("BSD")
        NpmPackage.new(node_module3).license.should eq("PSF")
      end

      it "returns a license in a file if detected" do
        stub_license_files [double(:file, license: 'Detected License')]

        subject.license.should == "Detected License"
      end

      it "returns 'other' otherwise" do

```

```

    stub_license_files []

    subject.license.should == "other"
  end
end
end
end
require "spec_helper"

module LicenseFinder
  describe MarkdownReport do
    describe '#to_s' do
      let(:dep1) do
        dependency = Dependency.new(
          'name' => 'gem_a',
          'version' => '1.0',
          'manually_approved' => false
        )
        dependency.license = LicenseFinder::LicenseAlias.create(name: 'MIT')
        dependency
      end

      let(:dep2) do
        dependency = Dependency.new(
          'name' => 'gem_b',
          'version' => '2.3',
          'manually_approved' => true
        )
        dependency.license = LicenseFinder::LicenseAlias.create(name: 'BSD')
        dependency
      end

      subject { MarkdownReport.new([dep2, dep1]).to_s }

      it 'should have the correct header' do
        LicenseFinder.config.project_name = "new_project_name"
        should match "# new_project_name"
      end

      it 'should list the total, and unapproved counts' do
        should match "2 total, _1 unapproved_"
      end

      it "should list the unapproved dependency" do
        should match "href='#gem_a'"
      end

      it "should display a summary" do

```

```

    should match "## Summary"
    should match /\s+\* 1 MIT/
    should match /\s+\* 1 BSD/
  end

  it "should list both gems" do
    should match "## Items"
    should match "### gem_a v1.0"
    should match "### gem_b v2.3"
  end
end
end
end
require 'spec_helper'

module LicenseFinder
  describe DependencyManager do
    let(:config) { Configuration.new }

    before do
      LicenseFinder.stub(:config).and_return config
      config.whitelist = ["MIT", "other"]
      Reporter.stub(:write_reports)
    end

    describe "#sync" do
      let(:gem1) { double(:package) }
      let(:gem2) { double(:package) }

      it "destroys every dependency except for the ones Bundler reports as 'current' or are marked as 'manual'" do
        cur1 = Dependency.create(name: "current dependency 1")
        cur2 = Dependency.create(name: "current dependency 2")
        man1 = Dependency.create(name: "manual dependency", manual: true)
        Dependency.create(name: "old dependency 1")
        Dependency.create(name: "old dependency 2")

        current_packages = [gem1, gem2]
        Bundler.stub(:current_packages) { current_packages }
        PackageSaver.should_receive(:save_all).with(current_packages).and_return([cur1, cur2])

        described_class.sync_with_package_managers
        Dependency.all.map(&:name).should =~ [cur1, cur2, man1].map(&:name)
      end
    end
  end

  describe ".create_manually_managed" do
    it "should add a Dependency" do
      expect do

```

```

    described_class.create_manually_managed("MIT", "js_dep", "0.0.0")
  end.to change(Dependency, :count).by(1)
end

it "should mark the dependency as manual" do
  described_class.create_manually_managed("MIT", "js_dep", "0.0.0")
  .should be_manual
end

it "should set the appropriate values" do
  dep = described_class.create_manually_managed("GPL", "js_dep", "0.0.0")
  dep.name.should == "js_dep"
  dep.version.should == "0.0.0"
  dep.license.name.should == "GPL"
  dep.should_not be_approved
end

it "should complain if the dependency already exists" do
  Dependency.create(name: "current dependency 1")
  expect { described_class.create_manually_managed("GPL", "current dependency 1", "0.0.0") }
    .to raise_error(LicenseFinder::Error)
end

describe ".destroy_manually_managed" do
  it "should remove a manually managed Dependency" do
    described_class.create_manually_managed("GPL", "a manually managed dep", nil)
    expect do
      described_class.destroy_manually_managed("a manually managed dep")
    end.to change(Dependency, :count).by(-1)
  end

  it "should not remove a bundler Dependency" do
    Dependency.create(name: "a bundler dep")
    expect do
      expect do
        described_class.destroy_manually_managed("a bundler dep")
      end.to raise_error(LicenseFinder::Error)
    end.to_not change(Dependency, :count)
  end
end

describe ".approve!" do
  it "approves the dependency" do
    dep = Dependency.named("current dependency")
    dep.reload.should_not be_approved
    described_class.approve!("current dependency")
    dep.reload.should be_approved
  end
end

```



```

end

it "should raise an error if it can't find the dependency" do
  expect { described_class.approve!("non-existent dependency") }
    .to raise_error(LicenseFinder::Error)
end
end

describe ".license!" do
  let(:dependency) { double(:dependency) }

  it "adds a license for the dependency" do
    DependencyManager.stub(:find_by_name).with("dependency").and_return(dependency)
    dependency.should_receive(:set_license_manually!).with("MIT")
    described_class.license!("dependency", "MIT")
  end

  it "should raise an error if it can't find the dependency" do
    expect { described_class.license!("non-existent dependency", "a license") }
      .to raise_error(LicenseFinder::Error)
  end
end

describe ".modifying" do
  context "when the database doesn't exist" do
    before { File.stub(:exists?) { false } }

    it "writes reports" do
      Reporter.should_receive(:write_reports)
      DependencyManager.modifying {}
    end
  end

  context "when the database exists" do
    before { File.stub(:exists?) { true } }

    context "when the database has changed" do
      before do
        i = 0
        Digest::SHA2.stub_chain(:file, :hexdigest) { i += 1 }
      end

      it "writes reports" do
        Reporter.should_receive(:write_reports)
        DependencyManager.modifying {}
      end
    end
  end
end

```

```

context "when the database has not changed" do
  before do
    Digest::SHA2.stub_chain(:file, :hexdigest) { 5 }
  end

  it "does not write reports" do
    Reporter.should_not_receive(:write_reports)
    DependencyManager.modifying {}
  end
end

context "when the reports do not exist" do
  before do
    Digest::SHA2.stub_chain(:file, :hexdigest) { 5 }
    File.stub(:exists?).with(LicenseFinder.config.dependencies_html) { false }
  end

  it "writes reports" do
    Reporter.should_receive(:write_reports)
    DependencyManager.modifying {}
  end
end

end
end
end
end
require "spec_helper"

module LicenseFinder
  describe DetailedTextReport do
    describe '#to_s' do
      let(:dep1) do
        dependency = Dependency.new(
          'name' => 'gem_a',
          'version' => '1.0',
          'summary' => 'Summary',
          'description' => 'Description'
        )
        dependency.license = LicenseFinder::LicenseAlias.create(name: 'MIT')
        dependency
      end

      let(:dep2) do
        dependency = Dependency.new(
          'name' => 'gem_b',
          'version' => '1.0',
          'summary' => 'Summary',
          'description' => 'Description'
        )
      end
    end
  end
end

```

```

    )
    dependency.license = LicenseFinder::LicenseAlias.create(name: 'MIT')
  end
end

subject { DetailedTextReport.new([dep2, dep1]).to_s }

it 'should generate a text report with the name, version, license, summary and description of each dependency,
sorted by name' do
  should == "gem_a,1.0,MIT,Summary,Description\ngem_b,1.0,MIT,Summary,Description\n"
end
end
end
require "spec_helper"

module LicenseFinder
  describe Configuration do
    let(:config) { described_class.new }

    let(:klass) { described_class }

    describe '.new' do
      let(:attributes) do
        {
          "whitelist" => ["FooLicense", "BarLicense"],
          "ignore_groups" => [:test, :development],
          "dependencies_file_dir" => ".",
          "project_name" => "my_app"
        }
      end

      subject { klass.new(attributes) }

      context "with known attributes" do
        it "should set the all of the attributes on the instance" do
          subject.whitelist.should == attributes['whitelist']
          subject.ignore_groups.should == attributes['ignore_groups']
          subject.dependencies_dir.should == attributes['dependencies_file_dir']
          subject.project_name.should == attributes['project_name']
        end
      end
    end

    describe "#database_uri" do
      it "should URI escape absolute path the dependencies_file_dir" do
        config = described_class.new('dependencies_file_dir' => 'test path')
        config.database_uri.should =~ /test%20path\/dependencies\.db$/
      end
    end
  end
end

```

```

end
end

describe "#whitelist" do
  it "should default to an empty array" do
    klass.new.whitelist.should == []
  end
end

describe "#project_name" do
  let(:directory_name) { "test_dir" }

  before do
    Configuration.stub(:config_hash).and_return({})
    Dir.stub(:getwd).and_return("/path/to/#{directory_name}")
  end

  it "should default to the directory name" do
    klass.new.project_name.should == directory_name
  end
end

describe "whitelisted?" do
  context "canonical name whitelisted" do
    before { config.whitelist = [License::Apache2.names[rand(License::Apache2.names.count)]] }

    let(:possible_license_names) { License::Apache2.names }

    it "should return true if if the license is the canonical name, pretty name, or alternative name of the license" do
      possible_license_names.each do |name|
        config.whitelisted?(name).should be_true, "expected #{name} to be whitelisted, but wasn't."
      end
    end

    it "should be case-insensitive" do
      possible_license_names.map(&:downcase).each do |name|
        config.whitelisted?(name).should be_true, "expected #{name} to be whitelisted, but wasn't"
      end
    end
  end
end

describe "#save" do
  let(:tmp_yaml) { '.tmp.configuration_spec.yml' }
  let(:yaml) { YAML.load(File.read(tmp_yaml)) }

  before do
    Configuration.stub(:config_file_path).and_return(tmp_yaml)
  end
end

```

```

    config.whitelist = ['my_gem']
    config.ignore_groups = ['other_group', 'test']
    config.project_name = "New Project Name"
    config.dependencies_dir = "./deps"
  end

  after do
    File.delete(tmp_yaml)
  end

  describe "writes the configuration attributes to the yaml file" do
    before { config.save }

    it "writes the whitelist" do
      yaml["whitelist"].should include("my_gem")
    end

    it "writes the ignored bundler groups" do
      yaml["ignore_groups"].should include("other_group")
      yaml["ignore_groups"].should include("test")
    end

    it "writes the dependencies_dir" do
      yaml["dependencies_file_dir"].should eq("./deps")
    end

    it "writes the project name" do
      yaml["project_name"].should eq("New Project Name")
    end
  end

  it "doesn't write duplicate entries" do
    config.whitelist << 'my_gem'
    config.ignore_groups << 'test'

    config.save

    yaml["whitelist"].count("my_gem").should == 1
    yaml["ignore_groups"].count("test").should == 1
  end
end
end
require 'spec_helper'

describe LicenseFinder::License::ISC do
  subject { LicenseFinder::License::ISC.new("") }

```

```
it_behaves_like "a license matcher"
```

```
end
```

```
require 'spec_helper'
```

```
describe LicenseFinder::License::NewBSD do
```

```
  subject { LicenseFinder::License::NewBSD.new("") }
```

```
  it_behaves_like "a license matcher"
```

```
  it "should match regardless of organization or copyright holder names" do
```

```
    license = LicenseFinder::License::NewBSD.new <<-LICENSE
```

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    modification, are permitted provided that the following conditions are met:
```

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```
  LICENSE
```

```
  license.should be_matches
```

```
end
```

```
  it "should match with the alternate wording of third clause" do
```

```
    license = LicenseFinder::License::NewBSD.new <<-LICENSE
```

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    modification, are permitted provided that the following conditions are met:
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LICENSE

```
license.should be_matches
end
end
require 'spec_helper'

describe LicenseFinder::License::Apache2 do
  subject { LicenseFinder::License::Apache2.new("") }

  it_behaves_like "a license matcher"
end
require 'spec_helper'

describe LicenseFinder::License::BSD do
  subject { LicenseFinder::License::BSD.new("") }

  it_behaves_like "a license matcher"

  it "should match regardless of organization or copyright holder names or quotes" do
    license = LicenseFinder::License::BSD.new <<-LICENSE
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```

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LICENSE

```
license.should be_matches
end
end
require 'spec_helper'

describe LicenseFinder::License::Python do
  subject { LicenseFinder::License::Python.new("") }

  it_behaves_like "a license matcher"
end
require 'spec_helper'

describe LicenseFinder::License::SimplifiedBSD do
  subject { LicenseFinder::License::SimplifiedBSD.new("") }

  it_behaves_like "a license matcher"
end
require 'spec_helper'

describe LicenseFinder::License::LGPL do
  subject { LicenseFinder::License::LGPL.new("") }

  it_behaves_like "a license matcher"
end
require 'spec_helper'

describe LicenseFinder::License::GPLv2 do
  subject { LicenseFinder::License::GPLv2.new("") }

  it_behaves_like "a license matcher"
end
require 'spec_helper'

describe LicenseFinder::License::Ruby do
```



```

subject { LicenseFinder::License::Ruby.new("") }

it_behaves_like "a license matcher"

describe "#matches?" do
  it "should return true when the Ruby license URL is present" do
    subject.text = "This gem is available under the following license:\nhttp://www.ruby-
lang.org/en/LICENSE.txt\nOkay?"
    should be_matches
  end

  it "should return false when the Ruby License URL is not present" do
    subject.text = "This gem is available under the following license:\nhttp://www.example.com\nOkay?"
    should_not be_matches
  end
end
end
require 'spec_helper'

describe LicenseFinder::License::MIT do
  subject { LicenseFinder::License::MIT.new("") }

  it_behaves_like "a license matcher"

  describe "#matches?" do
    it "should return true if the text contains the MIT url" do
      subject.text = "MIT License is awesome http://opensource.org/licenses/mit-license"
      should be_matches

      subject.text = "MIT Licence is awesome http://www.opensource.org/licenses/mit-license"
      should be_matches
    end

    it "should return true if the text contains 'The MIT License'" do
      subject.text = "The MIT License"
      should be_matches

      subject.text = "The MIT Licence"
      should be_matches
    end

    it "should return true if the text contains 'is released under the MIT license'" do
      subject.text = "is released under the MIT license"
      should be_matches

      subject.text = "is released under the MIT licence"
      should be_matches
    end
  end
end

```

```

end
end
require "spec_helper"
require "capybara"

module LicenseFinder
  describe HtmlReport do
    describe "#to_s" do
      let(:dependency) do
        dep = Dependency.new name: "the-name", manually_approved: true
        dep.license = LicenseAlias.create name: 'MIT'
        dep
      end

      subject { Capybara.string(HtmlReport.new([dependency]).to_s) }

      context "when the dependency is approved" do
        it "should add an approved class to dependency's container" do
          should have_selector ".approved"
        end

        it "does not list the dependency in the action items" do
          should_not have_selector ".action-items"
        end
      end

      context "when the dependency is not approved" do
        before { dependency.manually_approved = false }

        it "should not add an approved class to he dependency's container" do
          should have_selector ".unapproved"
        end

        it "lists the dependency in the action items" do
          should have_selector ".action-items li"
        end
      end

      context "when the gem has at least one bundler group" do
        before { dependency.stub(bundler_groups: [double(name: "group")]) }
        it "should show the bundler group(s) in parens" do
          should have_text "(group)"
        end
      end

      context "when the gem has no bundler groups" do
        before { dependency.stub(bundler_groups: []) }

```

```

it "should not show any parens or bundler group info" do
  should_not have_text "("
end

end

context "when the gem has at least one parent" do
  before { dependency.stub(parents: [double(:name => "foo parent")]) }
  it "should include a parents section" do
    should have_text "Parents"
    should have_text "foo parent"
  end
end

context "when the gem has no parents" do
  it "should not include any parents section in the output" do
    should_not have_text "Parents"
  end
end

context "when the gem has at least one child" do
  before { dependency.stub(children: [double(:name => "foo child")]) }

  it "should include a Children section" do
    should have_text "Children"
    should have_text "foo child"
  end
end

context "when the gem has no children" do
  it "should not include any Children section in the output" do
    should_not have_text "Children"
  end
end

end
end
end
require 'spec_helper'

class FooLicense < LicenseFinder::License::Base
  self.alternative_names = ["the foo license"]
  self.license_url = "http://foo.license.com"

  def self.pretty_name
    "Ye Ole Foo License"
  end
end

```

```

module LicenseFinder
  describe License do
    describe ".find_by_name" do
      it "should match on demodulized names" do
        License.find_by_name("FooLicense").should == FooLicense
      end

      it "should match on pretty names" do
        License.find_by_name("Ye Ole Foo License").should == FooLicense
      end

      it "should match on alternative names" do
        License.find_by_name("the foo license").should == FooLicense
      end

      it "should return nil if no match" do
        License.find_by_name(:unknown).should be_nil
      end
    end
  end
end

describe LicenseFinder::License::Base do
  describe ".names" do
    subject do
      Class.new(LicenseFinder::License::Base) do
        def self.demodulized_name; "FooLicense"; end
        self.alternative_names = ["foo license"]
      end.names
    end

    it { should =~ ["FooLicense", "foo license"] }
  end
end

require 'spec_helper'

describe LicenseFinder do
  describe ".config" do
    let(:config) do
      {
        'whitelist' => %w(MIT Apache),
        'ignore_groups' => %w(test development)
      }
    end

    before do
      LicenseFinder.instance_variable_set(:@config, nil)
      File.stub(:exists?).with('./config/license_finder.yml').and_return(true)
    end
  end
end

```

```

    File.stub(:read).with('./config/license_finder.yml').and_return(config.to_yaml)
  end

  after do
    LicenseFinder.instance_variable_set(:@config, nil)
  end

  it "should handle a missing configuration file" do
    File.stub(:exists?).with('./config/license_finder.yml').and_return(false)
    File.should_not_receive(:open).with('./config/license_finder.yml')

    LicenseFinder.config.whitelist.should == []
    LicenseFinder.config.ignore_groups.should == []
    LicenseFinder.config.dependencies_dir.should == './doc/'
  end

  it "should load the configuration exactly once" do
    File.should_receive(:read).with('./config/license_finder.yml').once.and_return(config.to_yaml)

    LicenseFinder.config.whitelist
    LicenseFinder.config.whitelist
  end

  describe "#whitelist" do
    it "should load a whitelist from license_finder.yml" do
      LicenseFinder.config.whitelist.should =~ %w(MIT Apache)
    end

    it "should load an empty whitelist from license_finder.yml when there are no whitelist items" do
      File.stub(:read).with('./config/license_finder.yml').and_return(config.merge('whitelist' => nil).to_yaml)

      LicenseFinder.config.whitelist.should =~ []
    end
  end

  describe "#ignore_groups" do
    it "should load a ignore_groups list from license_finder.yml" do
      LicenseFinder.config.ignore_groups.should == ["test", "development"]
    end

    it "should load an empty ignore_groups list from license_finder.yml when there are no ignore groups" do
      File.stub(:read).with('./config/license_finder.yml').and_return(config.merge('ignore_groups' => nil).to_yaml)

      LicenseFinder.config.ignore_groups.should == []
    end
  end

  describe "#dependencies_dir" do

```

```
it 'should allow the dependencies file directory to be configured' do
  File.stub(:read).with('./config/license_finder.yml').and_return(config.merge('dependencies_file_dir' =>
    './elsewhere')).to_yaml)
```

```
  config = LicenseFinder.config
  config.dependencies_dir.should == './elsewhere'
  config.dependencies_yaml.should == './elsewhere/dependencies.yml'
  config.dependencies_text.should == './elsewhere/dependencies.csv'
  config.dependencies_html.should == './elsewhere/dependencies.html'
end
```

```
it 'should default the dependency files when the directory is not provided' do
  config = LicenseFinder.config
  config.dependencies_dir.should == './doc/'
  config.dependencies_yaml.should == './doc/dependencies.yml'
  config.dependencies_text.should == './doc/dependencies.csv'
  config.dependencies_html.should == './doc/dependencies.html'
end
end
end
end
```

= Active Record -- Object-relational mapping put on rails

Active Record connects classes to relational database tables to establish an almost zero-configuration persistence layer for applications. The library provides a base class that, when subclassed, sets up a mapping between the new class and an existing table in the database. In context of an application, these classes are commonly referred to as *\*models\**. Models can also be connected to other models; this is done by defining *\*associations\**.

Active Record relies heavily on naming in that it uses class and association names to establish mappings between respective database tables and foreign key columns. Although these mappings can be defined explicitly, it's recommended to follow naming conventions, especially when getting started with the library.

A short rundown of some of the major features:

\* Automated mapping between classes and tables, attributes and columns.

```
class Product < ActiveRecord::Base
end
```

The Product class is automatically mapped to the table named "products", which might look like this:

```
CREATE TABLE products (
  id int(11) NOT NULL auto_increment,
```

```
name varchar(255),
PRIMARY KEY (id)
);
```

This would also define the following accessors: ``Product#name`` and ``Product#name=(new_name)``

{Learn more}[link:classes/ActiveRecord/Base.html]

\* Associations between objects defined by simple class methods.

```
class Firm < ActiveRecord::Base
  has_many :clients
  has_one :account
  belongs_to :conglomerate
end
```

{Learn more}[link:classes/ActiveRecord/Associations/ClassMethods.html]

\* Aggregations of value objects.

```
class Account < ActiveRecord::Base
  composed_of :balance, :class_name => "Money",
    :mapping => %w(balance amount)
  composed_of :address,
    :mapping => [%w(address_street street), %w(address_city city)]
end
```

{Learn more}[link:classes/ActiveRecord/Aggregations/ClassMethods.html]

\* Validation rules that can differ for new or existing objects.

```
class Account < ActiveRecord::Base
  validates_presence_of :subdomain, :name, :email_address, :password
  validates_uniqueness_of :subdomain
  validates_acceptance_of :terms_of_service, :on => :create
  validates_confirmation_of :password, :email_address, :on => :create
end
```

{Learn more}[link:classes/ActiveRecord/Validations.html]

\* Callbacks available for the entire life cycle (instantiation, saving, destroying, validating, etc.)

```
class Person < ActiveRecord::Base
```

```
before_destroy :invalidate_payment_plan
# the `invalidate_payment_plan` method gets called just before Person#destroy
end
```

{Learn more}[link:classes/ActiveRecord/Callbacks.html]

\* Observers that react to changes in a model

```
class CommentObserver < ActiveRecord::Observer
  def after_create(comment) # is called just after Comment#save
    Notifications.deliver_new_comment("david@loudthinking.com", comment)
  end
end
```

{Learn more}[link:classes/ActiveRecord/Observer.html]

\* Inheritance hierarchies

```
class Company < ActiveRecord::Base; end
class Firm < Company; end
class Client < Company; end
class PriorityClient < Client; end
```

{Learn more}[link:classes/ActiveRecord/Base.html]

\* Transactions

```
# Database transaction
Account.transaction do
  david.withdrawal(100)
  mary.deposit(100)
end
```

{Learn more}[link:classes/ActiveRecord/Transactions/ClassMethods.html]

\* Reflections on columns, associations, and aggregations

```
reflection = Firm.reflect_on_association(:clients)
reflection.class # => Client (class)
Firm.columns # Returns an array of column descriptors for the firms table
```

{Learn more}[link:classes/ActiveRecord/Reflection/ClassMethods.html]



\* Database abstraction through simple adapters

```
# connect to SQLite3
ActiveRecord::Base.establish_connection(:adapter => "sqlite3", :database => "dbfile.sqlite3")
```

```
# connect to MySQL with authentication
ActiveRecord::Base.establish_connection(
  :adapter => "mysql",
  :host => "localhost",
  :username => "me",
  :password => "secret",
  :database => "activerecord"
)
```

{Learn more} [<link:classes/ActiveRecord/Base.html>] and read about the built-in support for MySQL [<link:classes/ActiveRecord/ConnectionAdapters/MysqlAdapter.html>], PostgreSQL [<link:classes/ActiveRecord/ConnectionAdapters/PostgreSQLAdapter.html>], and SQLite3 [<link:classes/ActiveRecord/ConnectionAdapters/SQLite3Adapter.html>].

\* Logging support for Log4r [<http://log4r.sourceforge.net>] and Logger [<http://www.ruby-doc.org/stdlib/libdoc/logger/rdoc>]

```
ActiveRecord::Base.logger = Logger.new(STDOUT)
ActiveRecord::Base.logger = Log4r::Logger.new("Application Log")
```

\* Database agnostic schema management with Migrations

```
class AddSystemSettings < ActiveRecord::Migration
  def self.up
    create_table :system_settings do |t|
      t.string :name
      t.string :label
      t.text :value
      t.string :type
      t.integer :position
    end

    SystemSetting.create :name => "notice", :label => "Use notice?", :value => 1
  end

  def self.down
    drop_table :system_settings
  end
end
```

{Learn more} [<link:classes/ActiveRecord/Migration.html>]

## == Philosophy

Active Record is an implementation of the object-relational mapping (ORM) pattern[<http://www.martinfowler.com/eaCatalog/activeRecord.html>] by the same name described by Martin Fowler:

"An object that wraps a row in a database table or view, encapsulates the database access, and adds domain logic on that data."

Active Record attempts to provide a coherent wrapper as a solution for the inconvenience that is object-relational mapping. The prime directive for this mapping has been to minimize the amount of code needed to build a real-world domain model. This is made possible by relying on a number of conventions that make it easy for Active Record to infer complex relations and structures from a minimal amount of explicit direction.

Convention over Configuration:

- \* No XML-files!
- \* Lots of reflection and run-time extension
- \* Magic is not inherently a bad word

Admit the Database:

- \* Lets you drop down to SQL for odd cases and performance
- \* Doesn't attempt to duplicate or replace data definitions

## == Download and installation

The latest version of Active Record can be installed with Rubygems:

```
% [sudo] gem install activerecord
```

Source code can be downloaded as part of the Rails project on GitHub

- \* <http://github.com/rails/rails/tree/master/activerecord/>

## == License

Active Record is released under the MIT license.

## == Support

API documentation is at

- \* <http://api.rubyonrails.com>

Bug reports and feature requests can be filed with the rest for the Ruby on Rails project here:

\* <https://rails.lighthouseapp.com/projects/8994-ruby-on-rails/tickets>

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```
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`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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module LicenseFinder

```
# Super-class that adapts data from different package management  
# systems (gems, npm, pip, etc.) to a common interface.  
#
```

```

# For guidance on adding a new system use the shared behavior
# it_behaves_like "it conforms to interface required by PackageSaver"
# and see BundlerPackage, PipPackage and NpmPackage
class Package
  def license
    @license ||= determine_license
  end

  private

  def determine_license
    license_from_spec || license_from_files || default_license
  end

  def license_from_files
    license_files.map(&:license).compact.first
  end

  def license_files
    PossibleLicenseFiles.find(install_path)
  end

  def default_license
    "other"
  end
end

module LicenseFinder
  class Dependency < Sequel::Model
    plugin :boolean_readers
    many_to_one :license, class: LicenseAlias
    many_to_many :children, join_table: :ancestries, left_key: :parent_dependency_id, right_key:
:child_dependency_id, class: self
    many_to_many :parents, join_table: :ancestries, left_key: :child_dependency_id, right_key:
:parent_dependency_id, class: self
    many_to_many :bundler_groups
  end

  dataset_module do
    def managed
      manually_managed.invert
    end

    def manually_managed
      where(manual: true)
    end

    def obsolete(current)
      exclude(id: current.map(&:id))
    end
  end
end

```

```

end
end

def self.unapproved
  all.reject(&:approved?)
end

def self.named(name)
  find_or_create(name: name.to_s)
end

def bundler_group_names=(names)
  current_groups = names.map { |name| BundlerGroup.named(name) }

  remove, add = set_diff(bundler_groups, current_groups)

  remove.each { |g| remove_bundler_group(g) }
  add.each { |g| add_bundler_group(g) }
end

def children_names=(names)
  current_children = names.map { |name| Dependency.named(name) }

  remove, add = set_diff(children, current_children)

  remove.each { |c| remove_child(c) }
  add.each { |c| add_child(c) }
end

def approve!
  self.manually_approved = true
  save
end

def approved?
  (license && license.whitelisted?) || manually_approved?
end

def set_license_manually!(license_name)
  self.license = LicenseAlias.named(license_name)
  self.license_manual = true
  save
end

def apply_better_license(license_name)
  return if license_manual
  if license.nil? || license.name != license_name
    self.license = LicenseAlias.named(license_name)
  end
end

```

```

    end
  end

  private

  # Foreign method, belongs on Set
  #
  # Returns a pair of sets, which contain the elements that would have to be
  # removed from (and respectively added to) the first set in order to obtain
  # the second set.
  def set_diff(older, newer)
    return older - newer, newer - older
  end
end
end

module LicenseFinder
class LicenseAlias < Sequel::Model
  def self.named(name)
    find_or_create(name: name)
  end

  def initialize(*args)
    super
    self.url = LicenseUrl.find_by_name name
  end

  def whitelisted?
    !(config.whitelisted?(name))
  end

  private

  def config
    LicenseFinder.config
  end
end
end

module LicenseFinder
class BundlerGroup < Sequel::Model
  def self.named(name)
    find_or_create(name: name)
  end
end
end

module LicenseFinder
class PossibleLicenseFile
  def initialize(install_path, file_path)
    @install_path = Pathname.new(install_path)
  end
end
end

```

```

    @file_path = Pathname.new(file_path)
  end

  # Unused, except in tests, but might be useful if LF ever reports the
  # locations of all the files it searched.
  def file_path
    @file_path.relative_path_from(@install_path).to_s
  end

  def text
    @text ||= @file_path.send(@file_path.respond_to?(:binread) ? :binread : :read)
  end

  def license
    license = License.all.detect do |klass|
      klass.new(text).matches?
    end

    license.pretty_name if license
  end
end

end

end

module LicenseFinder
class Railtie < Rails::Railtie
  rake_tasks do
    load "tasks/license_finder.rake"
  end
end
end
require 'digest'

module LicenseFinder
module DependencyManager
  def self.sync_with_package_managers
    modifying {
      current_dependencies = PackageSaver.save_all(current_packages)

      Dependency.managed.obsolete(current_dependencies).each(&:destroy)
    }
  end
end

  def self.create_manually_managed(license, name, version)
    raise Error.new("#{name} dependency already exists") unless Dependency.where(name: name).empty?

    modifying {
      dependency = Dependency.new(manual: true, name: name, version: version)
      dependency.license = LicenseAlias.create(name: license)
      dependency.save
    }
  end
end
end

```



```

}
end

def self.destroy_manually_managed(name)
  modifying { find_by_name(name, Dependency.manually_managed).destroy }
end

def self.license!(name, license)
  modifying { find_by_name(name).set_license_manually!(license) }
end

def self.approve!(name)
  modifying { find_by_name(name).approve! }
end

def self.modifying
  checksum_before_modifying = if File.exists? LicenseFinder.config.database_uri
    Digest::SHA2.file(LicenseFinder.config.database_uri).hexdigest
  end

  result = yield
  checksum_after_modifying = Digest::SHA2.file(LicenseFinder.config.database_uri).hexdigest

  unless checksum_after_modifying == checksum_before_modifying
    Reporter.write_reports
  end

  unless File.exists? LicenseFinder.config.dependencies_html
    Reporter.write_reports
  end

  result
end

private # not really private, but it looks like it is!

def self.current_packages
  package_managers.select(&:active?).map(&:current_packages).flatten
end

def self.package_managers
  [Bundler, NPM, Pip, Bower]
end

def self.find_by_name(name, scope = Dependency)
  dep = scope.first(name: name)
  raise Error.new("could not find dependency named #{name}") unless dep
  dep
end
end

```

```

end
require 'forwardable'

module LicenseFinder
class PackageSaver
  extend Forwardable
  def_delegators :package, :license, :children, :groups, :summary, :description, :version, :homepage

  attr_reader :dependency, :package

  def self.save_all(packages)
    packages.map do |package|
      find_or_create_by_name(package).save
    end
  end

  def initialize(dependency, package)
    @package = package
    @dependency = dependency
  end

  def save
    DB.transaction do
      dependency.version = version.to_s
      dependency.summary = summary
      dependency.description = description
      dependency.homepage = homepage
      dependency.bundler_group_names = groups.map(&:to_s)
      dependency.children_names = children
      dependency.apply_better_license license
      dependency.save_changes
    end
    dependency
  end

  private

  def self.find_or_create_by_name(package)
    dependency = Dependency.named(package.name)
    new(dependency, package)
  end
end

module LicenseFinder
module License
class << self
  def all
    @all ||= []
  end
end
end

```

```

end

def find_by_name(license_name)
  all.detect { |l| l.names.map(&:downcase).include? license_name.to_s.downcase }
end
end

class Text
  def initialize(text)
    @text = normalized(text)
  end

  def to_s
    @text
  end

  private

  def normalized(text)
    text.gsub(/\s+/, ' ').gsub(/["]{1,2}/, "\"")
  end
end

class Base
  class << self
    attr_accessor :license_url, :alternative_names

    def inherited(descendant)
      License.all << descendant
    end

    def names
      ([demodulized_name, pretty_name] + self.alternative_names).uniq
    end

    def alternative_names
      @alternative_names ||= []
    end

    def demodulized_name
      name.gsub(/^.*:./, "")
    end

    def slug
      demodulized_name.downcase
    end

    def pretty_name

```

```

    demodulized_name
  end

  def license_text
    unless defined?(@license_text)
      template = ROOT_PATH.join("data", "licenses", "#{demodulized_name}.txt")

      @license_text = Text.new(template.read).to_s if template.exist?
    end
    @license_text
  end

  def license_regex
    /#{Regexp.escape(license_text).gsub(/<[<>]+>/, '(.*'))}/ if license_text
  end

  def initialize(text)
    self.text = text
  end

  attr_reader :text

  def text=(text)
    @text = Text.new(text).to_s
  end

  def matches?
    !(text =~ self.class.license_regex if self.class.license_regex)
  end

  end
end

Pathname.glob(LicenseFinder::ROOT_PATH.join('license_finder', 'license', '*.rb')) do |license|
  require license
end
require "rake"

module LicenseFinder
  class Configuration
    attr_accessor :whitelist, :ignore_groups, :dependencies_dir, :project_name

    def self.config_file_path
      File.join('.', 'config', 'license_finder.yml')
    end

    def self.ensure_default

```

```

make_config_file unless File.exists?(config_file_path)
new
end

def self.make_config_file
  FileUtils.mkdir_p(File.join('.', 'config'))
  FileUtils.cp(
    ROOT_PATH.join '..', 'files', 'license_finder.yml',
    config_file_path
  )
end

def self.move!
  config = config_hash('dependencies_file_dir' => './doc/')
  File.open(config_file_path, 'w') do |f|
    f.write YAML.dump(config)
  end

  FileUtils.mkdir_p("doc")
  FileUtils.mv(Dir["dependencies.*"], "doc")
end

def self.config_hash(config)
  if File.exists?(config_file_path)
    yaml = File.read(config_file_path)
    config = YAML.load(yaml).merge config
  end
  config
end

def initialize(config={ })
  config = self.class.config_hash(config)

  @whitelist = config['whitelist'] || []
  @ignore_groups = (config["ignore_groups"] || [])
  @dependencies_dir = config['dependencies_file_dir'] || './doc/'
  @project_name = config['project_name'] || determine_project_name
  FileUtils.mkdir_p(@dependencies_dir)
end

def database_uri
  URI.escape(File.expand_path(File.join(dependencies_dir, "dependencies.db")))
end

def dependencies_yaml
  File.join(dependencies_dir, "dependencies.yml")
end

```

```

def dependencies_text
  File.join(dependencies_dir, "dependencies.csv")
end

def dependencies_detailed_text
  File.join(dependencies_dir, "dependencies_detailed.csv")
end

def dependencies_legacy_text
  File.join(dependencies_dir, "dependencies.txt")
end

def dependencies_html
  File.join(dependencies_dir, "dependencies.html")
end

def dependencies_markdown
  File.join(dependencies_dir, "dependencies.md")
end

def whitelisted?(license_name)
  license = License.find_by_name(license_name) || license_name
  whitelisted_licenses.include? license
end

def save
  File.open(Configuration.config_file_path, 'w') do |file|
    file.write({
      'whitelist' => @whitelist.uniq,
      'ignore_groups' => @ignore_groups.uniq,
      'dependencies_file_dir' => @dependencies_dir,
      'project_name' => @project_name
    }.to_yaml)
  end
end

private

def whitelisted_licenses
  whitelist.map do |license_name|
    License.find_by_name(license_name) || license_name
  end.compact
end

def determine_project_name
  File.basename(Dir.getwd)
end
end

```

```

end
module LicenseFinder
module LicenseUrl
  extend self

  def find_by_name(name)
    name = name.to_s

    license = License.find_by_name(name)
    license.license_url if license
  end
end
end
module LicenseFinder
class YmlToSql
  def self.convert_if_required
    if needs_conversion?
      convert_all(load_yml)
      remove_yml
    end
  end
end

  def self.load_yml
    YAML.load File.read(yml_path)
  end

  def self.convert_all(all_legacy_attrs)
    converters = all_legacy_attrs.map do |attrs|
      new(attrs)
    end
    converters.each(&:convert)
    converters.each(&:associate_children)
  end

  def self.needs_conversion?
    File.exists?(yml_path)
  end

  def self.remove_yml
    File.delete(yml_path)
  end

  def self.yml_path
    LicenseFinder.config.dependencies_yaml
  end

  def initialize(attrs)
    @legacy_attrs = attrs
  end
end

```

```

end

attr_reader :legacy_attrs

def convert
  @dep = create_dependency
  @dep.license = create_license
  @dep.manual = manually_managed?
  associate_bundler_groups
  @dep.save
end

def associate_children
  find_children.each do |child|
    @dep.add_child(child)
  end
end

def associate_bundler_groups
  find_bundler_groups.each do |group|
    @dep.add_bundler_group(group)
  end
end

def manually_managed?
  @legacy_attrs['source'] != "bundle"
end

def create_dependency
  Sql::Dependency.convert(legacy_attrs)
end

def create_license
  LicenseAlias.find_or_create(name: legacy_attrs['license'])
end

def find_children
  Sql::Dependency.where(name: legacy_attrs['children'])
end

def find_bundler_groups
  (legacy_attrs['bundler_groups'] || []).map do |name|
    Sql::BundlerGroup.find_or_create(name: name.to_s)
  end
end

module Sql
  class Dependency < Sequel::Model

```



```

plugin :boolean_readers

many_to_one :license, class: LicenseAlias
many_to_many :children, join_table: :ancestries, left_key: :parent_dependency_id, right_key:
:child_dependency_id, class: self
many_to_many :bundler_groups

VALID_ATTRIBUTES = {
  'name' => 'name',
  'version' => 'version',
  'summary' => 'summary',
  'description' => 'description',
  'homepage' => 'homepage',
  'approved' => 'manually_approved'
}

def self.convert(attrs)
  create_remap_attrs(attrs)
end

def self.remap_attrs(legacy_attrs)
  VALID_ATTRIBUTES.each_with_object({}) do |(legacy_key, new_key), new_attrs|
    new_attrs[new_key] = legacy_attrs[legacy_key]
  end
end

class BundlerGroup < Sequel::Model
end

require 'rubygems'
require 'sequel'
require LicenseFinder::Platform.sqlite_load_path

LicenseFinder::DB =
Sequel.connect("#{LicenseFinder::Platform.sqlite_adapter}://#{LicenseFinder.config.database_uri}")
Sequel.extension :migration, :core_extensions
Sequel::Migrator.run(LicenseFinder::DB, LicenseFinder::ROOT_PATH.join('../db/migrate'))
module LicenseFinder
class BowerPackage < Package
def initialize(bower_module)
  @bower_module = bower_module
  @module_metadata = bower_module.fetch("pkgMeta", Hash.new)
end

def name

```

```

    module_metadata.fetch("name", nil)
end

def version
  module_metadata.fetch("version", nil)
end

def summary
  module_metadata.fetch("description", nil)
end

def description
  module_metadata.fetch("readme", nil)
end

def homepage
  module_metadata.fetch("homepage", nil)
end

def children
  [] # no way to determine child deps from bower (maybe?)
end

def groups
  [] # no concept of dev/test groups in bower (maybe?)
end

private

attr_reader :bower_module
attr_reader :module_metadata

def install_path
  bower_module.fetch("canonicalDir", nil)
end

def license_from_spec
  license = module_metadata.fetch("licenses", []).first

  if license.is_a? Hash
    license = license.fetch("type", nil)
  end

  if license.nil?
    license = module_metadata.fetch("license", nil)

    if license.is_a? Hash
      license = license.fetch("type", nil)
    end
  end
end

```

```

    end
  end

  license
end
end
end
require "bundler"

module LicenseFinder
class Bundler
  attr_writer :ignore_groups

  class << self
    def current_packages(config = LicenseFinder.config, bundler_definition=nil)
      new(config, bundler_definition).packages
    end

    def active?
      File.exists?(gemfile_path)
    end

    def gemfile_path
      Pathname.new("Gemfile").expand_path
    end
  end

  def initialize(config, bundler_definition=nil)
    @definition = bundler_definition || ::Bundler::Definition.build(self.class.gemfile_path, lockfile_path, nil)
    @config = config
  end

  def packages
    return @packages if @packages

    top_level_gems = Set.new

    @packages ||= definition.specs_for(included_groups).map do |gem_def|
      bundler_def = bundler_defs.detect { |bundler_def| bundler_def.name == gem_def.name }

      top_level_gems << format_name(gem_def)

      BundlerPackage.new(gem_def, bundler_def)
    end

    @packages.each do |gem|
      gem.children = children_for(gem, top_level_gems)
    end
  end
end

```

```

    @packages
  end

  private
  attr_reader :definition

  def ignore_groups
    @ignore_groups ||= @config.ignore_groups
  end

  def bundler_defs
    @bundler_defs ||= definition.dependencies
  end

  def included_groups
    definition.groups - ignore_groups.map(&:to_sym)
  end

  def lockfile_path
    self.class.gemfile_path.dirname.join('Gemfile.lock')
  end

  def children_for(gem, top_level_gems)
    gem.gem_def.dependencies.map(&:name).select { |name| top_level_gems.include? name }
  end

  def format_name(gem)
    gem.name.split(" ")[0]
  end
end
require 'json'

module LicenseFinder
  class NPM
    DEPENDENCY_GROUPS = ["dependencies", "devDependencies", "bundleDependencies",
      "bundledDependencies"]

    def self.current_packages
      json = npm_json
      dependencies = DEPENDENCY_GROUPS.map { |g| (json[g] || {}).values }.flatten(1).reject { |d| d.is_a?(String) }

      dependencies.map do |node_module|
        NpmPackage.new(node_module)
      end
    end
  end
end

```

```

def self.active?
  File.exists?(package_path)
end

private

def self.npm_json
  command = "npm list --json --long"
  output, success = capture(command)
  if success
    json = JSON(output)
  else
    json = JSON(output) rescue nil
    if json
      $stderr.puts "Command #{command} returned error but parsing succeeded." unless ENV['test_run']
    else
      raise "Command #{command} failed to execute: #{output}"
    end
  end
  end
  json
end

def self.capture(command)
  [#{command}`, $?.success?]
end

def self.package_path
  Pathname.new('package.json').expand_path
end

end

module LicenseFinder
class PipPackage < Package
  def initialize(name, version, install_path, pypi_def)
    @name = name
    @version = version
    @install_path = install_path
    @pypi_def = pypi_def
  end

  attr_reader :name, :version

  def summary
    pypi_def.fetch("summary", "")
  end

  def description
    pypi_def.fetch("description", "")
  end
end

```

```

end

def homepage
  pypi_def["home_page"]
end

def children
  [] # no way to determine child deps from pip (maybe?)
end

def groups
  [] # no concept of dev/test groups in pip (maybe?)
end

private

attr_reader :install_path, :pypi_def

def license_from_spec
  license = pypi_def.fetch("license", "UNKNOWN")

  if license == "UNKNOWN"
    classifiers = pypi_def.fetch("classifiers", [])
    license = classifiers.map do |c|
      if c.start_with?("License")
        c.gsub(/^License.*::\s*(.*)$/, '\1')
      end
    end.compact.first
  end

  license
end

end

end

module LicenseFinder
class BundlerPackage < Package
  extend Forwardable
  def_delegators :gem_def, :summary, :description, :name, :homepage

  attr_reader :gem_def
  attr_accessor :children

  def initialize(gem_def, bundler_def)
    @gem_def = gem_def
    @bundler_def = bundler_def
    @children = []
  end
end

```

```

def groups
  Array(@bundler_def && @bundler_def.groups)
end

def version
  gem_def.version.to_s
end

private

def install_path
  gem_def.full_gem_path
end

def license_from_spec
  gem_def.license
end

end

end

require 'json'
require 'httparty'

module LicenseFinder
  class Pip
    GET_DEPENDENCIES_PY = <<-PYTHON.gsub(/\n+/, ";")
    from pip.util import get_installed_distributions

    dists = [(x.project_name, x.version, x.location) for x in get_installed_distributions()]
    dists = ["{{{0}}}", "{{{1}}}", "{{{2}}}".format(*dist) for dist in dists]

    print "[" + ",".join(dists) + "]"
    PYTHON

    def self.current_packages
      output = `python -c '#{GET_DEPENDENCIES_PY}'`

      JSON(output).map do |(name, version, install_dir)|
        PipPackage.new(
          name,
          version,
          File.join(install_dir, name),
          pypi_def(name, version)
        )
      end
    end

    def self.active?
      File.exists?(requirements_path)
    end
  end
end

```

```

end

private

def self.requirements_path
  Pathname.new('requirements.txt').expand_path
end

def self.pypi_def(name, version)
  response = HTTParty.get("https://pypi.python.org/pypi/#{name}/#{version}/json")
  if response.code == 200
    JSON.parse(response.body).fetch("info", {})
  else
    {}
  end
end
end
end
end
module LicenseFinder
class NpmPackage < Package
  def initialize(node_module)
    @node_module = node_module
  end

  def name
    node_module["name"]
  end

  def version
    node_module["version"]
  end

  def summary
    node_module["description"]
  end

  def description
    node_module["readme"]
  end

  def homepage
    node_module["homepage"]
  end

  def children
    [] # no way to determine child deps from npm (maybe?)
  end
end

```



```

def groups
  [] # no concept of dev/test groups in npm (maybe?)
end

private

attr_reader :node_module

def install_path
  node_module["path"]
end

def license_from_spec
  license = node_module.fetch("licenses", []).first

  if license
    license = license.fetch("type", nil)
  end

  if license.nil?
    license = node_module.fetch("license", nil)

    if license.is_a? Hash
      license = license.fetch("type", nil)
    end
  end

  license
end

end

require 'json'

module LicenseFinder
  class Bower

    def self.current_packages
      output = `bower list --json`

      json = JSON(output)

      json.fetch("dependencies", []).map do |package|
        BowerPackage.new(package[1])
      end
    end

    def self.active?
      File.exists?(package_path)
    end
  end
end

```

```

end

private

def self.package_path
  Pathname.new('bower.json').expand_path
end
end
end
module LicenseFinder
class DependencyReport
  def self.underscored_name
    @underscored_name ||= begin
      str = name.dup
      str.sub!(/.*?:/, "")
      str.gsub!(/[A-Z\d+][A-Z][a-z]/, '\1_\2')
      str.gsub!(/[a-z\d][A-Z]/, '\1_\2')
      str.downcase!
    end
  end

  def initialize(dependencies=[])
    @dependencies = Array dependencies
  end

  def to_s
    filename = ROOT_PATH.join('templates', "#{self.class.underscored_name}.erb")
    template = ERB.new(File.read(filename), nil, '-')
    template.result(binding)
  end

  private
  attr_reader :dependencies

  def sorted_dependencies
    dependencies.sort_by(&:name)
  end
end
end
# encoding: UTF-8
require 'csv'

module LicenseFinder
class DetailedTextReport < DependencyReport
  def to_s
    CSV.generate(col_sep: ",") do |csv|
      sorted_dependencies.each do |s|
        csv << [

```

```

    s.name,
    s.version,
    s.license.name,
    s.summary ? s.summary.strip : "",
    s.description ? s.description.strip : ""
  ]
end
end
end
end
end
# encoding: UTF-8

```

```

module LicenseFinder
class TextReport < DependencyReport
  def to_s
    super.strip
  end
end
end
# encoding: UTF-8

```

```

module LicenseFinder
class HtmlReport < DependencyReport
  private
  def unapproved_dependencies
    dependencies.reject(&:approved?)
  end

  def grouped_dependencies
    find_name = lambda do |dep|
      license = License.find_by_name(dep.license.name)
      if license
        license.pretty_name
      else
        dep.license.name
      end
    end

    dependencies.group_by(&find_name).sort_by { |_, group| group.size }.reverse
  end
end
end
# encoding: UTF-8

```

```

module LicenseFinder
class MarkdownReport < DependencyReport
  private

```

```

def unapproved_dependencies
  dependencies.reject(&:approved?)
end

def grouped_dependencies
  find_name = lambda do |dep|
    license = License.find_by_name(dep.license.name)
    if license
      license.pretty_name
    else
      dep.license.name
    end
  end
  dependencies.group_by(&find_name).sort_by { |_, group| group.size }.reverse
end

end

end

module LicenseFinder
  module Reporter
    extend self

    def write_reports
      dependencies = Dependency.all

      write_file LicenseFinder.config.dependencies_text, TextReport.new(dependencies).to_s
      write_file LicenseFinder.config.dependencies_detailed_text, DetailedTextReport.new(dependencies).to_s
      write_file LicenseFinder.config.dependencies_html, HtmlReport.new(dependencies).to_s
      write_file LicenseFinder.config.dependencies_markdown, MarkdownReport.new(dependencies).to_s

      if File.exists?(LicenseFinder.config.dependencies_legacy_text)
        File.delete(LicenseFinder.config.dependencies_legacy_text)
      end
    end

    private

    def write_file(file_path, content)
      File.open(file_path, 'w+') do |f|
        f.puts content
      end
    end
  end
end

require 'thor'

module LicenseFinder
  module CLI
    class Base < Thor

```

```

def self.subcommand(namespace, klass, namespace_description)
  description = "#{namespace} [#{(klass.tasks.keys - ["help"]).join("|")}]"
  desc description, "#{namespace_description} - see `license_finder #{namespace} help` for more information"
  super namespace, klass
end

private

def die_on_error
  yield
rescue LicenseFinder::Error => e
  say e.message, :red
  exit 1
end

end

# Thor fix for `license_finder <subcommand> help <action>`
class Subcommand < Base
  # Hack to override the help message produced by Thor.
  # https://github.com/wycats/thor/issues/261#issuecomment-16880836
  def self.banner(command, namespace = nil, subcommand = nil)
    "#{basename} #{underscore_name(name)} #{command.usage}"
  end

  protected

  def self.underscore_name(name)
    underscored = name.split("::").last
    underscored.gsub!(/[A-Z]+([A-Z][a-z])/, '\1_\2')
    underscored.gsub!(/[a-z\d]+([A-Z])/, '\1_\2')
    underscored.tr!("-", "_")
    underscored.downcase
  end

end

class Dependencies < Subcommand
  method_option :approve, type: :boolean, desc: "Approve the added dependency"
  desc "Add LICENSE_DEPENDENCY_NAME [VERSION] [--approve]", "Add a dependency that is not
managed by Bundler, NPM, etc"
  def add(license, name, version = nil)
    die_on_error {
      DependencyManager.create_manually_managed(license, name, version)
      DependencyManager.approve!(name) if options[:approve]
    }
    if options[:approve]
      say "The #{name} dependency has been added and approved!", :green
    else
      say "The #{name} dependency has been added!", :green
    end
  end
end

```

```

    end
  end

  desc "Remove DEPENDENCY_NAME", "Remove a dependency that is not managed by Bundler, NPM, etc"
  def remove(name)
    die_on_error {
      DependencyManager.destroy_manually_managed(name)
    }

    say "The #{name} dependency has been removed.", :green
  end
end

class ConfigSubcommand < Subcommand
  private

  def modifying
    die_on_error {
      yield

      LicenseFinder.config.save
      Reporter.write_reports
    }
  end
end

class Whitelist < ConfigSubcommand
  desc "list", "List all the whitelisted licenses"
  def list
    whitelist = LicenseFinder.config.whitelist

    say "Whitelisted Licenses:", :blue
    whitelist.each do |license|
      say license
    end
  end

  desc "add LICENSE", "Add one ore more licenses to the whitelist"
  def add(*licenses)
    modifying {
      licenses.each do |license|
        LicenseFinder.config.whitelist.push(license)
      end
    }
    say "Added #{licenses.join(", ")} to the license whitelist"
  end

  desc "remove LICENSE", "Remove one ore more licenses from the whitelist"

```

```

def remove(*licenses)
  modifying {
    licenses.each do |license|
      LicenseFinder.config.whitelist.delete(license)
    end
  }
  say "Removed #{licenses.join(", ")} from the license whitelist"
end
end

class ProjectName < ConfigSubcommand
  desc "set NAME", "Set the project name"
  def set(name)
    modifying {
      LicenseFinder.config.project_name = name
    }
    say "Set the project name to #{name}", :green
  end
end

class IgnoredBundlerGroups < ConfigSubcommand
  desc "list", "List all the ignored bundler groups"
  def list
    ignored = LicenseFinder.config.ignore_groups

    say "Ignored Bundler Groups:", :blue
    ignored.each do |group|
      say group
    end
  end

  desc "add GROUP", "Add a bundler group to be ignored"
  def add(group)
    modifying {
      LicenseFinder.config.ignore_groups.push(group)
    }
    say "Added #{group} to the ignored bundler groups"
  end

  desc "remove GROUP", "Remove a bundler group from the ignored bundler groups"
  def remove(group)
    modifying {
      LicenseFinder.config.ignore_groups.delete(group)
    }
    say "Removed #{group} from the ignored bundler groups"
  end
end

```

```

class Main < Base
  method_option :quiet, type: :boolean, desc: "silences loading output"
  desc "rescan", "Find new dependencies. (Default action)"
  def rescan
    die_on_error {
      spinner {
        DependencyManager.sync_with_package_managers
      }
    }
  end

  action_items
end
default_task :rescan

desc "approve DEPENDENCY_NAME", "Approve one ore more dependencies by name"
def approve(*names)
  die_on_error {
    names.each { |name| DependencyManager.approve!(name) }
  }

  say "The #{names.join(", ")} dependency has been approved!", :green
end

desc "license LICENSE DEPENDENCY_NAME", "Update a dependency's license"
def license(license, name)
  die_on_error {
    DependencyManager.license!(name, license)
  }

  say "The #{name} dependency has been marked as using #{license} license!", :green
end

desc "move", "Move dependency.* files from root directory to doc/"
def move
  Configuration.move!
  say "Congratulations, you have cleaned up your root directory!", :green
end

desc "action_items", "List unapproved dependencies"
def action_items
  unapproved = Dependency.unapproved

  if unapproved.empty?
    say "All dependencies are approved for use", :green
  else
    say "Dependencies that need approval:", :red
    say TextReport.new(unapproved)
  end
  exit 1
end

```



```

    end
  end

  subcommand "dependencies", Dependencies, "Manually manage dependencies outside of Bundler, NPM, pip,
etc"
  subcommand "ignored_bundler_groups", IgnoredBundlerGroups, "Manage ignored bundler groups"
  subcommand "whitelist", Whitelist, "Manage whitelisted licenses"
  subcommand "project_name", ProjectName, "Manage the project name"

  private

  def spinner
    if options[:quiet]
      yield
    else
      begin
        thread = Thread.new {
          wheel = "\/-'
          i = 0
          while true do
            print "\r ----- #{wheel[i]} -----"
            i = (i + 1) % 4
          end
        }
        yield
      ensure
        if thread
          thread.kill
          puts "\r" + " "*24
        end
      end
    end
  end
end
end
end
end
end

module LicenseFinder
  module Platform
    def self.sqlite_adapter
      java? ? 'jdbc:sqlite' : 'sqlite'
    end

    def self.sqlite_gem
      java? ? 'jdbc-sqlite3' : 'sqlite3'
    end

    def self.sqlite_load_path
      java? ? 'jdbc/sqlite3' : 'sqlite3'
    end
  end
end

```

```

end

def self.java?
  RUBY_PLATFORM =~ /java/
end
end
end

class LicenseFinder::License::NewBSD < LicenseFinder::License::Base
  self.license_url = "http://opensource.org/licenses/BSD-3-Clause"
  self.alternative_names = ["Modified BSD", "BSD3", "BSD-3", "3-clause BSD", "BSD-3-Clause"]

  def self.pretty_name
    'New BSD'
  end

  def matches?
    super || matches_alterate?
  end

  def matches_alterate?
    !(text =~ alternate_license_regex)
  end

  def alternate_license_regex
    /#{Regexp.escape(alternate_license_text).gsub(/<[^>>]+>/, '(.*'))}/
  end

  def alternate_license_text
    self.class.license_text.gsub(
      "Neither the name of <organization> nor the names of its contributors may be used to endorse or promote
products derived from this software without specific prior written permission.",
      "The names of its contributors may not be used to endorse or promote products derived from this software
without specific prior written permission."
    )
  end
end

class LicenseFinder::License::GPLv2 < LicenseFinder::License::Base
  self.license_url = 'http://www.gnu.org/licenses/gpl-2.0.txt'
  self.alternative_names = ["GPL V2", "gpl-v2", "GNU GENERAL PUBLIC LICENSE Version 2"]
end

class LicenseFinder::License::SimplifiedBSD < LicenseFinder::License::Base
  self.license_url = "http://opensource.org/licenses/bsd-license"
  self.alternative_names = ["Simplified BSD", "FreeBSD", "2-clause BSD", "BSD-2-Clause"]

  def self.pretty_name
    'Simplified BSD'
  end
end
end

```

```

class LicenseFinder::License::LGPL < LicenseFinder::License::Base
  self.alternative_names = ["LGPL-3", "LGPLv3", "LGPL-3.0"]
  self.license_url = "http://www.gnu.org/licenses/lgpl.txt"
end

class LicenseFinder::License::Python < LicenseFinder::License::Base
  self.alternative_names = ["PSF", "Python Software Foundation License"]
  self.license_url = "http://hg.python.org/cpython/raw-file/89ce323357db/LICENSE"

  def self.pretty_name
    'Python Software Foundation License'
  end
end

class LicenseFinder::License::MIT < LicenseFinder::License::Base
  self.license_url = "http://opensource.org/licenses/mit-license"
  self.alternative_names = ["Expat", "MIT license", "MIT License"]

  HEADER_REGEX = /The MIT Licen[sc]e/
  ONE_LINER_REGEX = /is released under the MIT licen[sc]e/
  URL_REGEX = %r{MIT Licen[sc]e.*http://(?:www.)?opensource.org/licenses/mit-license}

  def matches?
    super || matches_url? || matches_header?
  end

  private

  def matches_url?
    !! (text =~ URL_REGEX)
  end

  def matches_header?
    header = text.split("\n").first
    header && ((header.strip =~ HEADER_REGEX) || !(text =~ ONE_LINER_REGEX))
  end

class LicenseFinder::License::Ruby < LicenseFinder::License::Base
  self.license_url = "http://www.ruby-lang.org/en/LICENSE.txt"

  def self.pretty_name
    'ruby'
  end

  def matches?
    super || !(text =~ /#{self.class.license_url}/)
  end

class LicenseFinder::License::BSD < LicenseFinder::License::Base
  self.alternative_names = ["BSD4", "bsd-old", "4-clause BSD", "BSD-4-Clause", "BSD License"]

```

```

self.license_url = "http://en.wikipedia.org/wiki/BSD_licenses#4-
clause_license_.28original_.22BSD_License.22.29"
end
class LicenseFinder::License::ISC < LicenseFinder::License::Base
  self.license_url = "http://en.wikipedia.org/wiki/ISC_license"
end
class LicenseFinder::License::Apache2 < LicenseFinder::License::Base
  self.alternative_names = ["Apache 2.0", "Apache2", "Apache-2.0", "Apache Software License", "Apache License
2.0", "Apache License Version 2.0", "Apache Public License 2.0"]
  self.license_url = "http://www.apache.org/licenses/LICENSE-2.0.txt"

  def self.pretty_name
    'Apache 2.0'
  end
end
module LicenseFinder
  class PossibleLicenseFiles
    LICENSE_FILE_NAMES = %w(LICENSE License Licence COPYING README Readme ReadMe)

    def self.find(install_path)
      new(install_path).find
    end

    def initialize(install_path)
      @install_path = install_path
    end

    attr_reader :install_path

    def find
      paths_for_license_files.map do |path|
        get_file_for_path(path)
      end
    end

    def paths_for_license_files
      find_matching_files.map do |path|
        File.directory?(path) ? paths_for_files_in_license_directory(path) : path
      end.flatten.uniq
    end

    def find_matching_files
      Dir.glob(File.join(install_path, '**', "#{LICENSE_FILE_NAMES.join(',') }*))
    end

    def paths_for_files_in_license_directory(path)
      entries_in_directory = Dir::entries(path).reject { |p| p.match(/^(\.){1,2}$/) }
      entries_in_directory.map { |entry_name| File.join(path, entry_name) }
    end
  end
end

```

```

end

def get_file_for_path(path)
  PossibleLicenseFile.new(install_path, path)
end
end
end
require 'pathname'
require 'yaml'
require 'erb'

module LicenseFinder
  ROOT_PATH = Pathname.new(__FILE__).dirname

  Error = Class.new(StandardError)

  autoload :CLI,          'license_finder/cli'
  autoload :DependencyManager, 'license_finder/dependency_manager'
  autoload :PackageSaver,   'license_finder/package_saver'
  autoload :License,       'license_finder/license'
  autoload :LicenseUrl,    'license_finder/license_url'
  autoload :PossibleLicenseFile, 'license_finder/possible_license_file'
  autoload :PossibleLicenseFiles, 'license_finder/possible_license_files'
  autoload :Configuration,  'license_finder/configuration'
  autoload :Platform,      'license_finder/platform'

  autoload :Package,       'license_finder/package'
  autoload :Bower,        'license_finder/package_managers/bower'
  autoload :Bundler,     'license_finder/package_managers/bundler'
  autoload :NPM,         'license_finder/package_managers/npm'
  autoload :Pip,         'license_finder/package_managers/pip'
  autoload :BowerPackage, 'license_finder/package_managers/bower_package'
  autoload :BundlerPackage, 'license_finder/package_managers/bundler_package'
  autoload :PipPackage,  'license_finder/package_managers/pip_package'
  autoload :NpmPackage,  'license_finder/package_managers/npm_package'

  autoload :BundlerGroup, 'license_finder/tables/bundler_group'
  autoload :Dependency,   'license_finder/tables/dependency'
  autoload :LicenseAlias, 'license_finder/tables/license_alias'
  autoload :YmlToSql,    'license_finder/yml_to_sql'

  autoload :DependencyReport, 'license_finder/reports/dependency_report'
  autoload :HtmlReport,      'license_finder/reports/html_report'
  autoload :MarkdownReport,  'license_finder/reports/markdown_report'
  autoload :Reporter,       'license_finder/reports/reporter'
  autoload :TextReport,     'license_finder/reports/text_report'
  autoload :DetailedTextReport, 'license_finder/reports/detailed_text_report'

```

```

def self.config
  @config ||= Configuration.ensure_default
end
end

require 'license_finder/railtie' if defined?(Rails)
unless defined?(LicenseAudit)
  require 'license_finder/tables'
  LicenseFinder::YmlToSql.convert_if_required
end

```

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```
desc 'Audit your Gemfile for software licenses. This is the same as running `license_finder` in the terminal.'  
task :license_finder do
```



puts "DEPRECATION WARNING: 'rake license\_finder' is going to be removed for the 1.0.0 release. Please instead use the command line utility 'license\_finder' or refer to the README for available command line utilities"

LicenseFinder::CLI::Main.new.rescan

end

---

whitelist:

##- MIT

##- Apache 2.0

ignore\_groups:

##- test

##- development

dependencies\_file\_dir: './doc/'

project\_name: # project name

#!/usr/bin/env ruby

require 'license\_finder'

LicenseFinder::CLI::Main.start

Sequel.migration do

change do

create\_table(:licenses) do

primary\_key :id

String :name, null: false

String :url

end

alter\_table(:dependencies) do

add\_column :license\_id, Integer

end

end

end

Sequel.migration do

change do

alter\_table(:licenses) do

set\_column\_allow\_null :name

end

end

end

Sequel.migration do

change do

alter\_table(:approvals) do

drop\_column :approval\_type

end

alter\_table(:licenses) do

add\_column :manual, TrueClass # i.e., keep this license eternally

end

```

end
end
Sequel.migration do
  change do
    rename_table(:licenses, :license_aliases)
  end
end
Sequel.migration do
  change do
    alter_table(:dependencies) do
      add_column :license_manual, TrueClass
    end
  end
end
Sequel.migration do
  change do
    alter_table(:license_aliases) do
      drop_column :manual
    end
  end
end
Sequel.migration do
  up do
    LicenseFinder::DB << <<<-SQL
UPDATE dependencies
SET license_manual = 1
WHERE id
IN
(SELECT d.id
FROM dependencies d
INNER JOIN license_aliases l
ON d.license_id = l.id
WHERE l.manual = 1)
SQL
end
end
Sequel.migration do
  up do
    LicenseFinder::DB << <<<-SQL
UPDATE dependencies
SET license_id =
(SELECT la.id
FROM
license_aliases la,
license_aliases la_orig
WHERE
la.name = la_orig.name AND
la_orig.id = license_id

```

```
LIMIT 1)
SQL

LicenseFinder::DB << <<-SQL
DELETE
FROM license_aliases
WHERE
id NOT IN (SELECT license_id FROM dependencies)
SQL
end
end
```

## 2.108 loofah 2.0.3

### 2.108.1 Available under license :

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## 2.109 macaddr 1.7.1

### 2.109.1 Available under license :

same as ruby's

## 2.110 mail 2.6.3

## 2.111 maybe 1.1.0

### 2.111.1 Available under license :

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## 2.112 memcache-client 1.8.5

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## 2.113 meta\_request 0.3.3

## 2.114 mime-types 2.99.1

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Version 2, June 1991

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## 2.115 mini\_portile2 2.0.0

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## 2.116 minitest 5.8.4

## 2.117 mongo 1.12.0

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## 2.120 multipart-post 1.2.0

## 2.121 mysql2 0.3.20

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## 2.124 netrc 0.7.7

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require File.expand_path(File.join(File.dirname(__FILE__), '..', 'test_helper'))

# look through the source code to enforce some simple rules that help us keep
# our license data up to date.
class LicenseTest < Minitest::Test
  include NewRelic::TestHelpers::FileSearching

  # A list of regexs that will likely match license info
  LICENSE_TERMS = {
    'GPL' => /GPL/i,
    '(c)' => /\(c\)i,
    'Copyright' => /copyright/i,
    'BSD' => /\bBSD\b/i,
    'MIT' => /\bMIT\b/i,
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  # Known occurrences of the above license terms
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    ['/newrelic_rpm.gemspec', 'MIT'] => 1, # licenses specification, which includes MIT for MIT-licensed portions of
code
    ['/lib/new_relic/okjson.rb', '(c)'] => 3, # methods arguments like (c)
    ['/lib/new_relic/okjson.rb', 'Copyright'] => 3, # okjson license info
    ['/lib/new_relic/timer_lib.rb', '(c)'] => 1, # timer_lib license info
    ['/lib/new_relic/timer_lib.rb', 'Copyright'] => 1, # timer_lib license info
    ['/LICENSE', 'GPL'] => 1, # dual license info for system_timer
    ['/LICENSE', 'MIT'] => 3,
    ['/LICENSE', '(c)'] => 3,
    ['/LICENSE', 'Copyright'] => 11,
    ['/LICENSE', 'rights reserved'] => 1,
    ['/ui/views/layouts/newrelic_default.rhtml', 'rights reserved'] => 1,
```

```

[/ui/views/newrelic/file/javascript/jquery-1.4.2.js', 'GPL'] => 3,
[/ui/views/newrelic/file/javascript/jquery-1.4.2.js', 'BSD'] => 2,
[/ui/views/newrelic/file/javascript/jquery-1.4.2.js', 'Copyright'] => 3,
[/ui/views/newrelic/file/javascript/jquery-1.4.2.js', 'MIT'] => 3,
[/test/new_relic/agent/agent_test_controller_test.rb', 'Apache'] => 1, # apache header tests
[/vendor/gems/metric_parser-0.1.0.pre1/lib/new_relic/metric_parser/solr.rb', 'Apache'] => 2, # parse apache solr
metrics
[/vendor/gems/metric_parser-0.1.0.pre1/lib/new_relic/metric_parser/solr_request_handler.rb', 'Apache'] => 1, #
parse apache solr metrics
}

```

```
def shebang
```

```
  /^#!/
```

```
end
```

```
def encoding
```

```
  /^#?(en)?coding: utf-8/
```

```
end
```

```
def syntax_mark
```

```
  /^#-\*- ruby -\*-/
```

```
end
```

```
def should_skip?(path)
```

```
(
```

```
  # skip directories
```

```
  !File.file?(path) ||
```

```
  # skip binary files
```

```
  %w|.sqlite3 .log .png .ico .gif .pdf .gem|.include?(File.extname(path)) ||
```

```
  # skip this file
```

```
  File.expand_path(__FILE__) == path ||
```

```
  # skip rpm_test_app and other stuff that ends up in tmp
```

```
  path.include?(gem_root + '/tmp/') ||
```

```
  # skip the auto-generated build.rb file
```

```
  path =~ %r{lib/new_relic/build\.rb} ||
```

```
  # skip tags file
```

```
  path =~ %r{/tags$i} ||
```

```
  # skip multiverse auto-generated gemfiles
```

```
  path =~ %r{/test/multiverse/suites/.*Gemfile\.d+(\.lock)?$} ||
```

```
  # skip multiverse auto-generated db/schema
```

```
  path =~ %r{/test/multiverse/suites/.*db/schema.rb$} ||
```

```
  # skip the artifacts directory
```

```
  path =~ %r{/artifacts/}
```

```
)
```

```
end
```

```
def test_all_rb_and_js_files_have_license_header
```

```
  all_rb_and_js_files.each do |filename|
```



```

next if should_skip?(filename)

first_thousand_bytes = File.read(filename, 1000)
refute_nil first_thousand_bytes, "#{filename} is shorter than 1000 bytes."

first_four_lines = first_thousand_bytes.split("\n")[0..4]

if first_four_lines.first =~ shebang
  first_four_lines.shift # discard it
end
if first_four_lines.first =~ syntax_mark
  first_four_lines.shift # discard it
end
if first_four_lines.first =~ encoding
  first_four_lines.shift # discard it
end

assert_match(/This file is distributed under .+ license terms\./, first_four_lines[0], "#{filename} does not contain
the proper license header.")
assert_match(%r"See https://github.com/newrelic/rpm/blob/master/LICENSE for complete details.",
first_four_lines[1])
end
end

def test_for_scary_license_terms
  files_to_check = all_files.reject { |f| should_skip?(f) }
  files_to_check.each do |filename|
    LICENSE_TERMS.each do |key, pattern|
      begin
        # we're checking this one. We'll update the count of checked files below.
        occurrences = File.readlines(filename).grep(pattern).size
        expected = (EXPECTED_LICENSE_OCCURRENCES[[filename.sub(gem_root, ""), key]] || 0)
        assert_equal expected, occurrences, "#{filename} contains #{key} #{occurrences} times. Should be
#{expected}"
      rescue => e
        raise "Error when checking file #{filename}: #{e}"
      end
    end
  end
  # sanity check that we are not skipping all the files.
  checked_files = files_to_check.size
  assert checked_files >= 390, "Somethings off. We only scanned #{checked_files} files for license info. There
should be more."
end
end
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and distributed under an MIT license.
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```

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## 2.126 nokogiri 1.6.7.2

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```
<html><head>
```

```
  <meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
  <title>Copyright</title><link rel="stylesheet" href="reference.css" type="text/css"><meta name="generator"
content="DocBook XSL Stylesheets V1.37"></head><body bgcolor="white" text="black" link="#0000FF"
vlink="#840084" alink="#0000FF"><div class="legalnotice"><p class="legalnotice-
title"><b>Copyright</b></p><p>Permission is hereby granted, free of charge, to any person
```

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## 2.127 parallel 1.4.1

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## 2.128 parallel\_tests 1.3.7

## 2.129 parser 2.3.1.0

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## 2.130 passenger 5.0.26

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*/

```

```

#ifndef UV_BSD_H
#define UV_BSD_H

#define UV_PLATFORM_FS_EVENT_FIELDS \
    uv_io_t event_watcher; \

#define UV_IO_PRIVATE_PLATFORM_FIELDS \
    int rcount; \
    int wcount; \

#define UV_HAVE_KQUEUE 1

#endif /* UV_BSD_H */

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```

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////////////////////////////////////
```

```
//
```

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```
//
```

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```
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```

```
// http://www.boost.org/LICENSE\_1\_0.txt)
```

```
//
```

```
// See http://www.boost.org/libs/container for documentation.
```

```
//
```

```
////////////////////////////////////
```

```
#ifndef BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP
```

```
#define BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP
```

```
#ifndef BOOST_CONFIG_HPP
```

```
# include <boost/config.hpp>
```

```
#endif
```

```
#if defined(BOOST_HAS_PRAGMA_ONCE)
```

```
# pragma once
```

```
#endif
```

```
#include <boost/container/detail/config_begin.hpp>
```

```
#include <boost/container/detail/workaround.hpp>
```

```
#include <boost/move/detail/type_traits.hpp>
```

```
#include <boost/intrusive/detail/mpl.hpp>
```

```
#include <cstddef>
```

```
namespace boost {
```

```

namespace container {
namespace container_detail {

using boost::move_detail::integral_constant;
using boost::move_detail::true_type;
using boost::move_detail::false_type;
using boost::move_detail::enable_if_c;
using boost::move_detail::enable_if;
using boost::move_detail::enable_if_convertible;
using boost::move_detail::disable_if_c;
using boost::move_detail::disable_if;
using boost::move_detail::disable_if_convertible;
using boost::move_detail::is_convertible;
using boost::move_detail::if_c;
using boost::move_detail::if_;
using boost::move_detail::identity;
using boost::move_detail::bool_;
using boost::move_detail::true_;
using boost::move_detail::false_;
using boost::move_detail::yes_type;
using boost::move_detail::no_type;
using boost::move_detail::bool__;
using boost::move_detail::true__;
using boost::move_detail::false__;
using boost::move_detail::unvoid_ref;
using boost::move_detail::and_;
using boost::move_detail::or_;
using boost::move_detail::not_;
using boost::move_detail::enable_if_and;
using boost::move_detail::disable_if_and;
using boost::move_detail::enable_if_or;
using boost::move_detail::disable_if_or;

template <class Pair>
struct select1st
{
    typedef Pair          argument_type;
    typedef typename Pair::first_type  result_type;

    template<class OtherPair>
    const typename Pair::first_type& operator()(const OtherPair& x) const
    { return x.first; }

    const typename Pair::first_type& operator()(const typename Pair::first_type& x) const
    { return x; }
};

```

```

} //namespace container_detail {
} //namespace container {
} //namespace boost {

#include <boost/container/detail/config_end.hpp>

#endif //ifndef BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP
////////////////////////////////////
//
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//  http://www.boost.org/LICENSE_1_0.txt)
//
// See http://www.boost.org/libs/intrusive for documentation.
//
////////////////////////////////////

#ifndef BOOST_INTRUSIVE_DETAIL_MPL_HPP
#define BOOST_INTRUSIVE_DETAIL_MPL_HPP

#ifndef BOOST_CONFIG_HPP
# include <boost/config.hpp>
#endif

#if defined(BOOST_HAS_PRAGMA_ONCE)
# pragma once
#endif

#include <boost/intrusive/detail/config_begin.hpp>
#include <boost/move/detail/type_traits.hpp>
#include <cstddef>

namespace boost {
namespace intrusive {
namespace detail {

using boost::move_detail::is_same;
using boost::move_detail::add_const;
using boost::move_detail::remove_const;
using boost::move_detail::remove_cv;
using boost::move_detail::remove_reference;
using boost::move_detail::add_reference;
using boost::move_detail::remove_pointer;
using boost::move_detail::add_pointer;
using boost::move_detail::true_type;

```

```

using boost::move_detail::false_type;
using boost::move_detail::enable_if_c;
using boost::move_detail::enable_if;
using boost::move_detail::disable_if_c;
using boost::move_detail::disable_if;
using boost::move_detail::is_convertible;
using boost::move_detail::if_c;
using boost::move_detail::if_;
using boost::move_detail::is_const;
using boost::move_detail::identity;
using boost::move_detail::alignment_of;
using boost::move_detail::is_empty;
using boost::move_detail::addressof;
using boost::move_detail::integral_constant;
using boost::move_detail::enable_if_convertible;
using boost::move_detail::disable_if_convertible;
using boost::move_detail::bool_;
using boost::move_detail::true_;
using boost::move_detail::false_;
using boost::move_detail::yes_type;
using boost::move_detail::no_type;
using boost::move_detail::apply;
using boost::move_detail::eval_if_c;
using boost::move_detail::eval_if;
using boost::move_detail::unvoid_ref;
using boost::move_detail::add_const_if_c;

template<std::size_t S>
struct ls_zeros
{
    static const std::size_t value = (S & std::size_t(1)) ? 0 : (1 + ls_zeros<(S>>1u)>::value);
};

template<>
struct ls_zeros<0>
{
    static const std::size_t value = 0;
};

template<>
struct ls_zeros<1>
{
    static const std::size_t value = 0;
};

// Infrastructure for providing a default type for T::TNAME if absent.
#define BOOST_INTRUSIVE_INSTANTIATE_DEFAULT_TYPE_TMPLT(TNAME) \
    template <typename T, typename DefaultType> \

```



```

struct boost_intrusive_default_type_ ## TNAME          \
{
    template <typename X>                               \
    static char test(int, typename X::TNAME*);         \

    template <typename X>                               \
    static int test(...);                             \

    struct DefaultWrap { typedef DefaultType TNAME; }; \

    static const bool value = (1 == sizeof(test<T>(0, 0))); \

    typedef typename                                  \
        ::boost::intrusive::detail::if_c              \
        <value, T, DefaultWrap>::type::TNAME type;    \
};
//

#define BOOST_INTRUSIVE_OBTAIN_TYPE_WITH_DEFAULT(INSTANTIATION_NS_PREFIX, T, \
TNAME, TIMPL) \
    typename INSTANTIATION_NS_PREFIX                               \
    boost_intrusive_default_type_ ## TNAME< T, TIMPL >::type    \
//

#define BOOST_INTRUSIVE_INSTANTIATE_EVAL_DEFAULT_TYPE_TMPLT(TNAME)\
template <typename T, typename DefaultType> \
struct boost_intrusive_eval_default_type_ ## TNAME \
{
    template <typename X> \
    static char test(int, typename X::TNAME*); \

    template <typename X> \
    static int test(...); \

    struct DefaultWrap \
    { typedef typename DefaultType::type TNAME; }; \

    static const bool value = (1 == sizeof(test<T>(0, 0))); \

    typedef typename \
        ::boost::intrusive::detail::eval_if_c \
        < value \
        , ::boost::intrusive::detail::identity<T> \
        , ::boost::intrusive::detail::identity<DefaultWrap> \
        >::type::TNAME type; \
};
//

```

```

#define BOOST_INTRUSIVE_OBTAIN_TYPE_WITH_EVAL_DEFAULT(INSTANTIATION_NS_PREFIX, T,
TNAME, TIMPL) \
    typename INSTANTIATION_NS_PREFIX \
        boost_intrusive_eval_default_type_ ## TNAME< T, TIMPL >::type \
//

#define BOOST_INTRUSIVE_INTERNAL_STATIC_BOOL_IS_TRUE(TRAIT_PREFIX,
TYPEDEF_TO_FIND) \
template <class T>\
struct TRAIT_PREFIX##_bool\
{\
    template<bool Add>\
    struct two_or_three {yes_type _[2 + Add];};\
    template <class U> static yes_type test(...);\
    template <class U> static two_or_three<U::TYPEDEF_TO_FIND> test (int);\
    static const std::size_t value = sizeof(test<T>(0));\
};\
\
template <class T>\
struct TRAIT_PREFIX##_bool_is_true\
{\
    static const bool value = TRAIT_PREFIX##_bool<T>::value > sizeof(yes_type)*2;\
};\
//

#define BOOST_INTRUSIVE_HAS_STATIC_MEMBER_FUNC_SIGNATURE(TRAIT_NAME,
FUNC_NAME) \
template <typename U, typename Signature> \
class TRAIT_NAME \
{\
private: \
    template<Signature> struct helper;\
    template<typename T> \
    static ::boost::intrusive::detail::yes_type test(helper<&T::FUNC_NAME>*); \
    template<typename T> static ::boost::intrusive::detail::no_type test(...); \
public: \
    static const bool value = sizeof(test<U>(0)) == sizeof(::boost::intrusive::detail::yes_type); \
};\
//

#define BOOST_INTRUSIVE_HAS_MEMBER_FUNC_CALLED(TRAIT_NAME, FUNC_NAME) \
template <typename Type> \
struct TRAIT_NAME \
{\
    struct BaseMixin \
    {\
        void FUNC_NAME(); \
    }; \
}; \

```

```

struct Base : public Type, public BaseMixin { Base(); }; \
template <typename T, T t> class Helper{}; \
template <typename U> \
static ::boost::intrusive::detail::no_type test(U*, Helper<void (BaseMixin::*), &U::FUNC_NAME>* = 0); \
static ::boost::intrusive::detail::yes_type test(...); \
static const bool value = sizeof(::boost::intrusive::detail::yes_type) == sizeof(test((Base*)(0))); \
}; \
//

#define BOOST_INTRUSIVE_HAS_MEMBER_FUNC_CALLED_IGNORE_SIGNATURE(TRAIT_NAME, \
FUNC_NAME) \
BOOST_INTRUSIVE_HAS_MEMBER_FUNC_CALLED(TRAIT_NAME##_ignore_signature, FUNC_NAME) \
\
\
template <typename Type, class> \
struct TRAIT_NAME \
: public TRAIT_NAME##_ignore_signature<Type> \
{ }; \
//

} //namespace detail
} //namespace intrusive
} //namespace boost

#include <boost/intrusive/detail/config_end.hpp>

#endif //BOOST_INTRUSIVE_DETAIL_MPL_HPP
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```

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## 2.141 rack 1.6.4

## 2.142 rack-contrib 1.1.0

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## 2.143 rack-mini-profiler 0.9.2

## 2.144 rack-test 0.6.3

## 2.145 rack\_session\_access 0.1.1

## 2.146 rails 4.2.5.2

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<%= render 'license' %>

## 2.147 rails-deprecated\_sanitizer 1.0.3

## 2.148 rails-dom-testing 1.0.7

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## 2.149 rails-html-sanitizer 1.0.3

## 2.150 raities 4.2.5.2

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## 2.153 ransack 1.6.3

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## 2.154 rate-limiting 1.0.18

## 2.155 RedCloth 4.2.9

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## 2.157 request\_store 1.3.0

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## 2.163 rotp 1.6.1

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```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<meta charset="UTF-8">
```

```
<title>LICENSE - ruby-prof</title>
```

```
<link href="/fonts.css" rel="stylesheet">
```

```
<link href="/rdoc.css" rel="stylesheet">
```

```
<script type="text/javascript">
```

```
  var rdoc_rel_prefix = ".";
```

```
</script>
```

```
<script src="/js/jquery.js"></script>
```

```
<script src="/js/navigation.js"></script>
```

```
<script src="/js/search_index.js"></script>
```

```
<script src="/js/search.js"></script>
```

```
<script src="/js/searcher.js"></script>
```

```
<script src="/js/darkfish.js"></script>
```

```
<body id="top" role="document" class="file">
```

```
<nav role="navigation">
```

```
<div id="project-navigation">
```

```
  <div id="home-section" role="region" title="Quick navigation" class="nav-section">
```

```
<h2>
```

```
  <a href="/index.html" rel="home">Home</a>
```

```

</h2>

<div id="table-of-contents-navigation">
  <a href="/table_of_contents.html#pages">Pages</a>
  <a href="/table_of_contents.html#classes">Classes</a>
  <a href="/table_of_contents.html#methods">Methods</a>
</div>
</div>

  <div id="search-section" role="search" class="project-section initially-hidden">
<form action="#" method="get" accept-charset="utf-8">
  <div id="search-field-wrapper">
    <input id="search-field" role="combobox" aria-label="Search"
      aria-autocomplete="list" aria-controls="search-results"
      type="text" name="search" placeholder="Search" spellcheck="false"
      title="Type to search, Up and Down to navigate, Enter to load">
  </div>

  <ul id="search-results" aria-label="Search Results"
    aria-busy="false" aria-expanded="false"
    aria-atomic="false" class="initially-hidden"></ul>
</form>
</div>

</div>

<div id="project-metadata">
  <div id="fileindex-section" class="nav-section">
<h3>Pages</h3>

<ul class="link-list">

  <li><a href="/LICENSE.html">LICENSE</a>

  <li><a href="/README_rdoc.html">README</a>

  <li><a href="/examples/flat_txt.html">flat</a>

  <li><a href="/examples/graph_html.html">graph.html</a>

  <li><a href="/examples/graph_txt.html">graph</a>

</ul>
</div>

</div>

```

</nav>

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## 2.172 ruby\_expect 1.7.4

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## 2.175 saml\_idp 0.2.1

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```
module Listen
```

```
  module Adapters
```

```
    # Listener implementation for BSD's `kqueue`.
```

```
    #
```

```
    class BSD < Adapter
```

```
      # Watched kqueue events
```

```
      #
```

```
      # @see http://www.freebsd.org/cgi/man.cgi?query=kqueue
```

```
      # @see https://github.com/nex3/rb-kqueue/blob/master/lib/rb-kqueue/queue.rb
```

```
      #
```

```
      EVENTS = [:delete, :write, :extend, :attrib, :link, :rename, :revoke]
```

```
      def self.target_os_regex; /freebsd/i; end
```

```
      def self.adapter_gem; 'rb-kqueue'; end
```

```
    private
```

```
    # Initializes a kqueue Queue and adds a watcher for each files in
```

```
    # the directories passed to the adapter.
```

```
    #
```

```
    # @return [INotify::Notifier] initialized kqueue
```

```
    #
```

```
    # @see Listen::Adapter#initialize_worker
```

```
    #
```

```
    def initialize_worker
```

```
      require 'find'
```

```
      callback = lambda do |event|
```

```
        path = event.watcher.path
```

```
        mutex.synchronize do
```

```
          # kqueue watches everything, but Listen only needs the
```

```
          # directory where stuffs happens.
```

```
          @changed_directories << (File.directory?(path) ? path : File.dirname(path))
```

```
          # If it is a directory, and it has a write flag, it means a
```

```
          # file has been added so find out which and deal with it.
```

```
          # No need to check for removed files, kqueue will forget them
```

```
          # when the vfs does.
```

```
          if File.directory?(path) && event.flags.include?(:write)
```

```

    queue = event.watcher.queue
    Find.find(path) do |file|
      unless queue.watchers.detect { |k,v| v.path == file.to_s }
        queue.watch_file(file, *EVENTS, &callback)
      end
    end
  end
end
end
end
end

```

```

KQueue::Queue.new.tap do |queue|
  directories.each do |directory|
    Find.find(directory) do |path|
      queue.watch_file(path, *EVENTS, &callback)
    end
  end
end
end
end

```

```

# Starts the worker in a new thread.
#
# @see Listen::Adapter#start_worker
#
def start_worker
  @worker_thread = Thread.new do
    until stopped
      worker.poll
      sleep(latency)
    end
  end
end
end
end
end

```

```

end
end

```

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## 2.177 sass-rails 5.0.1

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## 2.178 selenium-webdriver 2.53.0

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## 2.183 spring 1.2.0

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## 2.196 thor 0.19.1

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/\*!

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* Contact
* -----
* Email: dave@davegandy.com
* Twitter: http://twitter.com/fortaweso_me
* Work: Lead Product Designer @ http://kyruus.com
*/
```

<snip>

from twitter-bootstrap-rails-2.2.6-2/twitter-bootstrap-rails-2.2.6/vendor/toolkit/twitter/bootstrap/responsive.less

```
/*!
```

```
* Bootstrap Responsive v2.3.1
```

```
*
```

```
* Copyright 2012 Twitter, Inc
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* Licensed under the Apache License v2.0
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```
*
```

```
* Designed and built with all the love in the world @twitter by @mdo and @fat.
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*/
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## 2.216 uglifier 1.3.0

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- \* Suraj N. Kurapati
- \* Andrey Stikheev
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## 3.19 did\_you\_mean 1.1.0

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## 3.21 domain\_name 0.5.20170404

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\* lib/domain\_name/punycode.rb

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\* `lib/domain_name/etld_data.rb`

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## 3.22 easy\_translate 0.5.0

## 3.23 erubis 2.7.0

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## 3.24 execjs 2.7.0

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## 3.25 factory\_girl 4.8.0

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## 3.26 font-awesome-rails 4.6.3.0

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## 3.27 gem-licenses 0.2.2

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Intro

===

Background

---

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===

Background

---

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Same license as Ruby.

Welcome

---

This fake gem is released under the BSD license.

```
require 'spec_helper'
```

```
describe Gem do
```

```
  subject do
```

```
    Gem.licenses
```

```
  end
```

```
  it 'collects 3rd party licenses' do
```

```
    expect(subject.size).to be > 0
```

```
  end
```

```

it 'finds an MIT license for itself' do
  expect(subject['MIT'].size).to be > 0
  gem_licenses_spec = Gem::Specification.find_by_name('gem-licenses')
  gem_licenses_mit_spec = subject['MIT'].detect { |spec| spec == gem_licenses_spec }
  expect(gem_licenses_spec).to eq gem_licenses_mit_spec
end

it 'normalizes known license names' do
  expect(subject['GPLv2'].size).to be > 0
end
end
require 'gem_licenses'
module Gem
  module GemLicenses
    VERSION = '0.2.2'.freeze
  end
end
module Gem
  module GemLicenses
    def self.install_tasks
      spec = Gem::Specification.find_by_name('gem-licenses')
      Dir[File.join(spec.gem_dir, 'tasks/*.rake')].each do |file|
        load file
      end
    end
  end
end
mit: MIT
perl artistic v2: Perl Artistic v2
artistic 2.0: Perl Artistic v2
gnu gpl v2: GPLv2
ruby 1.8: Ruby
ruby: Ruby
bsd: BSD
bsd-2-clause: BSD 2-Clause
2-clause bsd: BSD 2-Clause
bsd 2-clause: BSD 2-Clause
gpl-2.0+: GPLv2
gpl-2: GPLv2
gpl2: GPLv2
gplv2: GPLv2
apache 2.0: Apache 2.0
apache license 2.0: Apache 2.0
apache-2.0: Apache 2.0
apache 2: Apache 2.0
apache license version 2.0: Apache 2.0
apache: Apache 2.0
apl 2.0: Apache 2.0

```

```

    gpl-3.0: GPLv3
    gpl-3: GPLv3
    gplv3: GPLv3
    lgpl: LGPLv2.1
    LGPLv2.1+: LGPLv2.1
    lgplv2.1+: LGPLv2.1
    gplv2+: GPLv2
    new relic: NewRelic
    isc: ISC
    license: unknown
    wtfpl: WTFPL
    mit-v1: MIT
    mit-v2: MIT
    mit license: MIT
    lgpl-2.1+: LGPLv2.1
    lgpl-3.0: LGPLv3
    lgpl-3: LGPLv3
    module Gem
    def self.licenses
      licenses = {}
      config_path = File.expand_path('.././licenses/config.yml', __FILE__)
      config = YAML.safe_load(File.read(config_path))
      Gem.loaded_specs.each_value do |spec|
        spec.licenses.map(&:downcase).each do |license|
          license_name = config[license] || license
          licenses[license_name] ||= []
          licenses[license_name] << spec
        end
      end
      licenses
    end
    end
  end
end
require 'yaml'
require 'gem-licenses/version'
require 'gem-licenses/install_tasks'
require 'gem/specification'
require 'gem/licenses'
desc 'Gather open-source licenses.'
namespace :gem do
  task :licenses do
    Gem.licenses.sort_by { |k, v| [-v.count, k] }.each do |license, gems|
      puts license.to_s
      puts '=' * license.length
      gems.sort_by(&:name).each do |gem|
        puts "* #{gem.name} #{gem.version} (#{gem.homepage}) - #{gem.summary.strip}"
        puts gem.full_gem_path
      end
    end
    puts "

```

```

end
end

namespace :licenses do
  task :csv, [:filename] do |_t, args|
    require 'csv'
    filename = File.expand_path(args[:filename], Dir.pwd)
    puts "Writing #{filename} ..."
    licenses = Gem.licenses
    total = 0
    CSV.open(filename, 'w') do |csv|
      csv << %w[name version homepage summary license]
      licenses.each do |license, gems|
        total += gems.count
        gems.sort_by(&:name).each do |gem|
          csv << [gem.name, gem.version, gem.homepage, gem.summary.strip, license]
        end
      end
    end
    puts "Written #{licenses.keys.count} license(s) for #{total} project(s): #{licenses.keys.join(', ')}"

    if licenses.key?('unknown')
      puts "IMPORTANT: You have #{licenses['unknown'].count} projects without a guessable license!"
      licenses['unknown'].each do |gem|
        puts "  #{gem.name}: #{gem.full_gem_path}"
      end
    end
  end
end
end
end

```

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```
$LOAD_PATH.push File.expand_path('../lib', __FILE__)  
require 'gem-licenses/version'
```

```
Gem::Specification.new do |s|  
  s.name = 'gem-licenses'  
  s.version = Gem::GemLicenses::VERSION  
  s.authors = ['Daniel Doubrovkine']  
  s.email = 'dblock@dblock.org'  
  s.platform = Gem::Platform::RUBY  
  s.required_rubygems_version = '>= 1.3.6'  
  s.files = `git ls-files`.split("\n")  
  s.test_files = `git ls-files -- spec/*`.split("\n")  
  s.require_paths = ['lib']  
  s.homepage = 'http://github.com/dblock/gem-licenses'  
  s.licenses = ['MIT']  
  s.summary = 'Attempts to figure out what licenses various gems use.'
```

end

## 3.28 globalid 0.4.0

### 3.28.1 Available under license :

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## 3.29 hashdiff 0.3.4

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## 3.30 highline 1.7.8

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#
#!/usr/bin/env ruby

# overwrite.rb
#
# Created by Jeremy Hinegardner on 2007-01-24
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    Version 2.1, February 1999
```

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```

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library `Frob' (a library for tweaking knobs) written by James Random Hacker.
```

```
<signature of Ty Coon>, 1 April 1990  
Ty Coon, President of Vice
```

That's all there is to it!

```
#!/usr/bin/env ruby  
  
# using_readline.rb  
#
```

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```

```
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## 3.33 http\_accept\_language 2.1.0

## 3.34 httparty 0.15.5

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## 3.37 jquery-fileupload-rails 0.4.7

## 3.38 jquery-rails 4.3.1

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## 3.40 jsonpath 0.5.8

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## 3.42 libv8 3.16.14.19

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## 3.46 memoist 0.14.0

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## 3.73 rspec-support 3.4.1

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## 3.74 ruby-sass 3.4.23 :1

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Upstream-Name: sass-rails

Source: <https://github.com/rails/sass-rails/>

Files: \*

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Upstream-Name: SQLite3/Ruby

Source: <https://github.com/sparklemotion/sqlite3-ruby>

Files: \*

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Upstream-Name: timecop

Source: <https://github.com/travisjeffery/timecop>

Files: \*

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## 3.85 sprockets 2.12.4

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```

```
<signature of Ty Coon>, 1 April 1990  
Ty Coon, President of Vice
```

That's all there is to it!

```
/*
```

```
* jQuery 1.2.6 - New Wave Javascript
```

```
*
```

```
* Copyright (c) 2008 John Resig (jquery.com)
```

```
* Dual licensed under the MIT (MIT-LICENSE.txt)
```

```
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```



\*  
\* \$Date: 2008-09-25 09:50:52 -0700 (Thu, 25 Sep 2008) \$  
\* \$Rev: 38 \$  
\*/

## 3.102 xpath 2.1.0

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Julian Seward, jseward@bzip.org  
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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The goal of the pthreads-win32 project has been to provide a quality and complete implementation of the POSIX threads API for Microsoft Windows within the limits imposed by virtue of it being a stand-alone library and not linked directly to other POSIX compliant libraries. For example, some functions and features, such as those based on POSIX signals, are missing.

Pthreads-win32 is a library, available in several different versions depending on supported compilers, and may be used as a dynamically linked module or a statically linked set of binary modules. It is not an application on it's own.

It was fully intended that pthreads-win32 be usable with commercial software not covered by either the GPL or the LGPL licenses. Pthreads-win32 has many contributors to it's code base, many of whom have done so because they have used the library in commercial or proprietry software projects.

Releasing pthreads-win32 under the LGPL ensures that the library can be used widely, while at the same time ensures that bug fixes and improvements to the pthreads-win32 code itself is returned to benefit all current and future users

of the library.

Although pthreads-win32 makes it possible for applications that use POSIX threads to be ported to Win32 platforms, the broader goal of the project is to encourage the use of open standards, and in particular, to make it just a little easier for developers writing Win32 applications to consider widening the potential market for their products.

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zlib [http://www.gzip.org/zlib/zlib\\_license.html](http://www.gzip.org/zlib/zlib_license.html)

(Used for compressed Transfer-Encoding support) Uses an MIT-style

license that shouldn't collide with any other library.

#### krb4

While nothing in particular says that a Kerberos4 library must use any particular license, the one I've tried and used successfully so far (kth-krb4) is partly Original BSD-licensed with the announcement clause. Some of the code in libcurl that is written to deal with Kerberos4 is Modified BSD-licensed.

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## 4.5 expat 2.2.4

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## 4.7 google-breakpad/scripts/generator 1.0

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## 4.8 jansson 2.0.1

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## 4.9 json-cpp 0.10.6

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## 4.10 libwww 5.4.0

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</body>

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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```
<one line to give the library's name and a brief idea of what it does.>  
Copyright (C) <year> <name of author>
```

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```
<signature of Ty Coon>, 1 April 1990  
Ty Coon, President of Vice
```

That's all there is to it!

```
<html>  
<head>  
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">  
<title>W3C IPR SOFTWARE NOTICE</title>  
</head>  
  
<body text="#000000" bgcolor="#FFFFFF">  
<h1>W3C IPR SOFTWARE NOTICE</h1>  
  
<h3>Copyright " 1995-2002 <a href="http://www.w3.org/">World Wide Web  
Consortium</a>, (<a href="http://www.lcs.mit.edu/">Massachusetts Institute of
```

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<p>&nbsp;</p>

<address>

<a href="http://www.w3.org/Help/Webmaster.html">webmaster</a><br> (last updated <!--webbot bot="Timestamp" startspan S-Type="EDITED" S-Format="%d-%b-%Y" --> 14-Aug-1998<!--webbot bot="Timestamp" i-checksum="15568" endspan --> )

</address>

</body>

</html>

## 4.12 libwww/modules/expat 5.4.0

### 4.12.1 Available under license :

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">

<title>W3C IPR SOFTWARE NOTICE</title>

</head>

<body text="#000000" bgcolor="#FFFFFF">

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<p>&nbsp;</p>

<address>

<a href="http://www.w3.org/Help/Webmaster.html">webmaster</a><br> (last updated <!--webbot bot="Timestamp" startspan S-Type="EDITED" S-Format="%d-%b-%Y" --> 14-Aug-1998<!--webbot bot="Timestamp" i-checksum="15568" endspan --> )

</address>

</body>

</html>

/\*

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\*/

```
#include "xmldef.h"
```

```
#ifdef XML_UNICODE_WCHAR_T
```

```
#ifndef XML_UNICODE
```

```
#define XML_UNICODE
```

```
#endif
```

```
#endif
```

```
#include "hashtable.h"
```

```
#define INIT_SIZE 64
```

```
static
```

```
int keyeq(KEY s1, KEY s2)
```

```
{
```

```
for (; *s1 == *s2; s1++, s2++)
```

```
if (*s1 == 0)
```

```
return 1;
```

```
return 0;
```

```
}
```

```
static
```

```
unsigned long hash(KEY s)
```

```
{
```

```
unsigned long h = 0;
```

```
while (*s)
```

```
h = (h << 5) + h + (unsigned char)*s++;
```

```
return h;
```

```
}
```

```
NAMED *lookup(HASH_TABLE *table, KEY name, size_t createSize)
```

```
{
```

```
size_t i;
```

```
if (table->size == 0) {
```

```
if (!createSize)
```

```
return 0;
```

```
table->v = calloc(INIT_SIZE, sizeof(NAMED *));
```

```
if (!table->v)
```

```
return 0;
```

```
table->size = INIT_SIZE;
```

```
table->usedLim = INIT_SIZE / 2;
```

```
i = hash(name) & (table->size - 1);
```

```
}
```

```
else {
```

```

unsigned long h = hash(name);
for (i = h & (table->size - 1);
     table->v[i];
     i == 0 ? i = table->size - 1 : --i) {
    if (keyeq(name, table->v[i]->name))
return table->v[i];
}
if (!createSize)
    return 0;
if (table->used == table->usedLim) {
    /* check for overflow */
    size_t newSize = table->size * 2;
    NAMED **newV = calloc(newSize, sizeof(NAMED *));
    if (!newV)
return 0;
    for (i = 0; i < table->size; i++)
if (table->v[i]) {
    size_t j;
    for (j = hash(table->v[i]->name) & (newSize - 1);
         newV[j];
         j == 0 ? j = newSize - 1 : --j)
        ;
    newV[j] = table->v[i];
}
    free(table->v);
    table->v = newV;
    table->size = newSize;
    table->usedLim = newSize/2;
    for (i = h & (table->size - 1);
         table->v[i];
         i == 0 ? i = table->size - 1 : --i)
        ;
}
table->v[i] = calloc(1, createSize);
if (!table->v[i])
    return 0;
table->v[i]->name = name;
(table->used)++;
return table->v[i];
}

```

```

void hashTableDestroy(HASH_TABLE *table)

```

```

{
    size_t i;
    for (i = 0; i < table->size; i++) {
        NAMED *p = table->v[i];
        if (p)

```

```

    free(p);
}
free(table->v);
}

void hashTableInit(HASH_TABLE *p)
{
    p->size = 0;
    p->usedLim = 0;
    p->used = 0;
    p->v = 0;
}

void hashTableIterInit(HASH_TABLE_ITER *iter, const HASH_TABLE *table)
{
    iter->p = table->v;
    iter->end = iter->p + table->size;
}

NAMED *hashTableIterNext(HASH_TABLE_ITER *iter)
{
    while (iter->p != iter->end) {
        NAMED *tem = *(iter->p)++;
        if (tem)
            return tem;
    }
    return 0;
}

```

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Version 1.1

-----

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NSISdl 1.1 - HTTP downloading plugin for NSIS

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NSIS Modern User Interface

License page

\*/

;-----

;Page interface settings and variables

!macro MUI\_LICENSEPAGE\_INTERFACE

!ifndef MUI\_LICENSEPAGE\_INTERFACE

!define MUI\_LICENSEPAGE\_INTERFACE

Var mui.LicensePage

Var mui.Licensepage.TopText

Var mui.Licensepage.Text

Var mui.Licensepage.LicenseText

!insertmacro MUI\_DEFAULT MUI\_LICENSEPAGE\_BGCOLOR "/windows"

;Apply settings

LicenseBkColor "\${MUI\_LICENSEPAGE\_BGCOLOR}"

!endif

!macroend

;-----

;Page declaration

!macro MUI\_PAGEDECLARATION\_LICENSE LICENSEDATA

!insertmacro MUI\_SET MUI\_\${MUI\_PAGE\_UNINSTALLER\_PREFIX}LICENSEPAGE ""

!insertmacro MUI\_LICENSEPAGE\_INTERFACE

!insertmacro MUI\_DEFAULT MUI\_LICENSEPAGE\_TEXT\_TOP "\${MUI\_INNERTEXT\_LICENSE\_TOP}"

!insertmacro MUI\_DEFAULT MUI\_LICENSEPAGE\_BUTTON ""

!insertmacro MUI\_DEFAULT MUI\_LICENSEPAGE\_CHECKBOX\_TEXT ""

!insertmacro MUI\_DEFAULT MUI\_LICENSEPAGE\_RADIOBUTTONS\_TEXT\_ACCEPT ""

!insertmacro MUI\_DEFAULT MUI\_LICENSEPAGE\_RADIOBUTTONS\_TEXT\_DECLINE ""

PageEx \${MUI\_PAGE\_UNINSTALLER\_FUNCPREFIX}license

```

PageCallbacks ${MUI_PAGE_UNINSTALLER_FUNCPREFIX}mui.LicensePre_${MUI_UNIQUEID}
${MUI_PAGE_UNINSTALLER_FUNCPREFIX}mui.LicenseShow_${MUI_UNIQUEID}
${MUI_PAGE_UNINSTALLER_FUNCPREFIX}mui.LicenseLeave_${MUI_UNIQUEID}

Caption " "

LicenseData "${LICENSEDATA}"

!ifndef MUI_LICENSEPAGE_TEXT_BOTTOM
!ifndef MUI_LICENSEPAGE_CHECKBOX & MUI_LICENSEPAGE_RADIOBUTTONS
LicenseText "$(MUI_${MUI_PAGE_UNINSTALLER_PREFIX}INNERTEXT_LICENSE_BOTTOM)"
"${MUI_LICENSEPAGE_BUTTON}"
!else ifdef MUI_LICENSEPAGE_CHECKBOX
LicenseText
"${MUI_${MUI_PAGE_UNINSTALLER_PREFIX}INNERTEXT_LICENSE_BOTTOM_CHECKBOX}"
"${MUI_LICENSEPAGE_BUTTON}"
!else
LicenseText
"${MUI_${MUI_PAGE_UNINSTALLER_PREFIX}INNERTEXT_LICENSE_BOTTOM_RADIOBUTTONS}"
"${MUI_LICENSEPAGE_BUTTON}"
!endif
!else
LicenseText "${MUI_LICENSEPAGE_TEXT_BOTTOM}" "${MUI_LICENSEPAGE_BUTTON}"
!endif

!ifdef MUI_LICENSEPAGE_CHECKBOX
LicenseForceSelection checkbox "${MUI_LICENSEPAGE_CHECKBOX_TEXT}"
!else ifdef MUI_LICENSEPAGE_RADIOBUTTONS
LicenseForceSelection radiobuttons "${MUI_LICENSEPAGE_RADIOBUTTONS_TEXT_ACCEPT}"
"${MUI_LICENSEPAGE_RADIOBUTTONS_TEXT_DECLINE}"
!endif

PageExEnd

!insertmacro MUI_FUNCTION_LICENSEPAGE
${MUI_PAGE_UNINSTALLER_FUNCPREFIX}mui.LicensePre_${MUI_UNIQUEID}
${MUI_PAGE_UNINSTALLER_FUNCPREFIX}mui.LicenseShow_${MUI_UNIQUEID}
${MUI_PAGE_UNINSTALLER_FUNCPREFIX}mui.LicenseLeave_${MUI_UNIQUEID}

!insertmacro MUI_UNSET MUI_LICENSEPAGE_TEXT_TOP
!insertmacro MUI_UNSET MUI_LICENSEPAGE_TEXT_BOTTOM
!insertmacro MUI_UNSET MUI_LICENSEPAGE_BUTTON
!insertmacro MUI_UNSET MUI_LICENSEPAGE_CHECKBOX
!insertmacro MUI_UNSET MUI_LICENSEPAGE_CHECKBOX_TEXT
!insertmacro MUI_UNSET MUI_LICENSEPAGE_RADIOBUTTONS
!insertmacro MUI_UNSET MUI_LICENSEPAGE_CHECKBOX_TEXT_ACCEPT
!insertmacro MUI_UNSET MUI_LICENSEPAGE_CHECKBOX_TEXT_DECLINE

```

```

!macroend

!macro MUI_PAGE_LICENSE LICENSEDATA

!verbose push
!verbose ${MUI_VERBOSE}

!insertmacro MUI_PAGE_INIT
!insertmacro MUI_PAGEDECLARATION_LICENSE "${LICENSEDATA}"

!verbose pop

!macroend

!macro MUI_UNPAGE_LICENSE LICENSEDATA

!verbose push
!verbose ${MUI_VERBOSE}

!insertmacro MUI_UNPAGE_INIT
!insertmacro MUI_PAGEDECLARATION_LICENSE "${LICENSEDATA}"

!verbose pop

!macroend

;-----
;Page functions

!macro MUI_FUNCTION_LICENSEPAGE PRE SHOW LEAVE

Function "${PRE}"

!insertmacro MUI_PAGE_FUNCTION_CUSTOM PRE
!insertmacro MUI_HEADER_TEXT_PAGE
$(MUI_${MUI_PAGE_UNINSTALLER_PREFIX}TEXT_LICENSE_TITLE)
$(MUI_${MUI_PAGE_UNINSTALLER_PREFIX}TEXT_LICENSE_SUBTITLE)

FunctionEnd

Function "${SHOW}"

;Get control handles
FindWindow $mui.LicensePage "#32770" "" $HWNDPARENT
GetDlgItem $mui.LicensePage.TopText $mui.LicensePage 1040
GetDlgItem $mui.LicensePage.Text $mui.LicensePage 1006
GetDlgItem $mui.LicensePage.LicenseText $mui.LicensePage 1000

```

```
;Top text
SendMessage $mui.LicensePage.TopText ${WM_SETTEXT} 0 "STR:${MUI_LICENSEPAGE_TEXT_TOP}"

!insertmacro MUI_PAGE_FUNCTION_CUSTOM SHOW

FunctionEnd

Function "${LEAVE}"

!insertmacro MUI_PAGE_FUNCTION_CUSTOM LEAVE

FunctionEnd

!macroend
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```

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## 4.17 OpenSSL patch to 0.9.8 branch to add RFC5649 (key wrap with pad) 1.0

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```

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/* Written by Dr Stephen N Henson (steve@openssl.org) for the OpenSSL
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* Modified by Attaullah Baig (abaig@paypal.com) to wrap/unwrap any
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## 4.19 script.aculo.us 1.8.3

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## 4.20 zlib 1.2.5

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```
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version 1.2.5, April 19th, 2010
```

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## 4.21 zlib 1.2.3

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```
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version 1.2.3, July 18th, 2005
```

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/\* zlib.h -- interface of the 'zlib' general purpose compression library  
version 1.1.2, March 19th, 1998

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The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files ftp://ds.internic.net/rfc/rfc1950.txt (zlib format), rfc1951.txt (deflate format) and rfc1952.txt (gzip format).

\*/

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# 5.13 OpenSSL patch to 0.9.8 branch to add RFC5649 (key wrap with pad) 1.0

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 *
 * $Id$
 */
```

## 6.2 bar 1.11.1

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## 6.7 curl 7.44.0

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## 6.8 Daemon Tools 0.76

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## 6.9 db 5.3.15

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## 6.10 django 1.5.1

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=====  
Advice for new contributors  
=====

New contributor and not sure what to do? Want to help but just don't know how to get started? This is the section for you.

First steps  
-----

Start with these easy tasks to discover Django's development process.

\* \*\*Triage tickets\*\*

If an `unreviewed ticket` reports a bug, try and reproduce it. If you can reproduce it and it seems valid, make a note that you confirmed the bug and accept the ticket. Make sure the ticket is filed under the correct component area. Consider writing a patch that adds a test for the bug's behavior, even if you don't fix the bug itself. See more at `:ref:`how-can-i-help-with-triaging``

\* \*\*Look for tickets that are accepted and review patches to build familiarity with the codebase and the process\*\*

Mark the appropriate flags if a patch needs docs or tests. Look through the changes a patch makes, and keep an eye out for syntax that is incompatible with older but still supported versions of Python. Run the tests and make sure they pass on your system. Where possible and relevant, try them out on

a database other than SQLite. Leave comments and feedback!

**\*\*Keep old patches up to date\*\***

Oftentimes the codebase will change between a patch being submitted and the time it gets reviewed. Make sure it still applies cleanly and functions as expected. Simply updating a patch is both useful and important! See more on `:doc:`writing-code/submitting-patches``.

**\*\*Write some documentation\*\***

Django's documentation is great but it can always be improved. Did you find a typo? Do you think that something should be clarified? Go ahead and suggest a documentation patch! See also the guide on `:doc:`writing-documentation``, in particular the tips for `:ref:`improving-the-documentation``.

.. note::

The ``reports page`` contains links to many useful Trac queries, including several that are useful for triaging tickets and reviewing patches as suggested above.

.. `_reports page`: <https://code.djangoproject.com/wiki/Reports>

.. `_unreviewed ticket`: <https://code.djangoproject.com/query?status=!closed&stage=Unreviewed>

## Guidelines

-----

As a newcomer on a large project, it's easy to experience frustration. Here's some advice to make your work on Django more useful and rewarding.

**\*\*Pick a subject area that you care about, that you are familiar with, or that you want to learn about\*\***

You don't already have to be an expert on the area you want to work on; you become an expert through your ongoing contributions to the code.

**\*\*Analyze tickets' context and history\*\***

Trac isn't an absolute; the context is just as important as the words.

When reading Trac, you need to take into account who says things, and when they were said. Support for an idea two years ago doesn't necessarily mean that the idea will still have support. You also need to pay attention to who *hasn't* spoken -- for example, if a core team member hasn't been recently involved in a discussion, then a ticket may not have the support required to

get into trunk.

\* **Start small**\*

It's easier to get feedback on a little issue than on a big one. See the `_easy_pickings`_``.

\* **If you're going to engage in a big task, make sure that your idea has support first**\*

This means getting someone else to confirm that a bug is real before you fix the issue, and ensuring that the core team supports a proposed feature before you go implementing it.

\* **Be bold! Leave feedback!**\*

Sometimes it can be scary to put your opinion out to the world and say "this ticket is correct" or "this patch needs work", but it's the only way the project moves forward. The contributions of the broad Django community ultimately have a much greater impact than that of the core developers. We can't do it without YOU!

\* **Err on the side of caution when marking things Ready For Check-in**\*

If you're really not certain if a ticket is ready, don't mark it as such. Leave a comment instead, letting others know your thoughts. If you're mostly certain, but not completely certain, you might also try asking on IRC to see if someone else can confirm your suspicions.

\* **Wait for feedback, and respond to feedback that you receive**\*

Focus on one or two tickets, see them through from start to finish, and repeat. The shotgun approach of taking on lots of tickets and letting some fall by the wayside ends up doing more harm than good.

\* **Be rigorous**\*

When we say "pep:8, and must have docs and tests", we mean it. If a patch doesn't have docs and tests, there had better be a good reason. Arguments like "I couldn't find any existing tests of this feature" don't carry much weight--while it may be true, that means you have the extra-important job of writing the very first tests for that feature, not that you get a pass from writing tests altogether.

.. `_easy_pickings`_``: <https://code.djangoproject.com/query?status=!closed&easy=1>

.. `_new-contributors-faq`_``:

## FAQ

---

1. **\*\*This ticket I care about has been ignored for days/weeks/months! What can I do to get it committed?\***

First off, it's not personal. Django is entirely developed by volunteers (even the core developers), and sometimes folks just don't have time. The best thing to do is to send a gentle reminder to the django-developers mailing list asking for review on the ticket, or to bring it up in the #django-dev IRC channel.

2. **\*\*I'm sure my ticket is absolutely 100% perfect, can I mark it as RFC myself?\***

Short answer: No. It's always better to get another set of eyes on a ticket. If you're having trouble getting that second set of eyes, see question 1, above.

3. **\*\*My ticket has been in DDN forever! What should I do?\***

Design Decision Needed requires consensus about the right solution. At the very least it needs consensus among the core developers, and ideally it has consensus from the community as well. The best way to accomplish this is to start a thread on the django-developers mailing list, and for very complex issues to start a wiki page summarizing the problem and the possible solutions.

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## 6.11 django-tagging 0.3.1 :3.e16

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Django Tagging

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</section>

</chapter>

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Version 2.1, February 1999

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<html xmlns="http://www.w3.org/1999/xhtml"><head>
```

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<meta name="generator" content="HTML Tidy, see www.w3.org">
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
<link rel="stylesheet" type="text/css" href="copyright-software-19980720_files/base.css"><title>W3C IPR
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</body></html>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html><head>

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<link rel="stylesheet" type="text/css" href="copyright-documents-19990405_files/base.css"></head><body
bgcolor="#ffffff" text="#000000">
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THE BASIC LIBRARY FUNCTIONS  
-----

Written by: Philip Hazel  
Email local part: ph10  
Email domain: cam.ac.uk

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[Tcl/Tk]

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[Misc C library code]

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-----  
[zlib]

/\* zlib.h -- interface of the 'zlib' general purpose compression library  
version 1.2.3, July 18th, 2005

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Jean-loup Gailly      Mark Adler  
jloup@gzip.org      madler@alumni.caltech.edu

The data format used by the zlib library is described by RFCs (Request for  
Comments) 1950 to 1952 in the files <http://www.ietf.org/rfc/rfc1950.txt>  
(zlib format), rfc1951.txt (deflate format) and rfc1952.txt (gzip format).  
\*/

-----  
[edoc, syntax\_tools]

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%% $Id$
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%% @copyright 2001-2003 Richard Carlsson
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%% [http://www.csd.uu.se/~richardc/]
%% @version { @vsn }
%% @end
%% =====
```

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[leex]

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[ldap]

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## 6.13 fcgi 2.4.0

**:f71edf71bd1fa7ee2337a4416df0d06c**

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## 6.16 gdk-pixbuf 2.27.0

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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## 6.17 geoip 1.6.9 :1

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based



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## 6.18 glib 2.34.3

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## 6.19 gmp 5.0.5 :2012-05-06 Torbjorn Granlund

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## 6.23 graphite-whisper 0.9.12

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## 6.24 gunicorn 0.17.4

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gunicorn.logging\_config

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doc/sitemap\_gen.py

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util/unlink.py

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backport from python3 Lib/test/support.py

## 6.25 haproxy 1.7.2

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HAPROXY's license - 2006/06/15

Historically, haproxy has been covered by GPL version 2. However, an issue appeared in GPL which will prevent external non-GPL code from being built using the headers provided with haproxy. My long-term goal is to build a core system able to load external modules to support specific application protocols.

Since some protocols are found in rare environments (finance, industry, ...), some of them might be accessible only after signing an NDA. Enforcing GPL on such modules would only prevent them from ever being implemented, while not providing anything useful to ordinary users.

For this reason, I *\*want\** to be able to support binary only external modules when needed, with a GPL core and GPL modules for standard protocols, so that people fixing bugs don't keep them secretly to try to stay over competition.

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```

```
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Ty Coon, President of Vice
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## 6.26 jansson 2.7 :1+deb8u1

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Upstream-Name: Jansson

Upstream-Contact: Petri Lehtinen <petri@digip.org>

Source: <https://github.com/akheron/jansson>

Files: \*

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License: Expat

Files: src/memory.c

Copyright: 2011 Basile Starynkevitch <basile@starynkevitch.net>

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## 6.27 jpeg 9a

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```
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 *
 * This file contains routines to read input images in PPM/PGM format.
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 * The PBMPLUS library is NOT required to compile this software
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 *
 * These routines may need modification for non-Unix environments or
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 * user interface has already read some data (e.g., to determine that
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 */
```

```
[...]
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*/
```

## 6.28 jruby-complete 1.7.9

### 6.28.1 Available under license :

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## 6.29 libaio 0.3.110-1

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This code is derived from section 17.1 of Applied Cryptography, second edition, which describes a stream cipher allegedly

compatible with RSA Labs "RC4" cipher (the actual description of which is a trade secret). The same algorithm is used as a stream cipher called "arcfour" in Tatu Ylonen's ssh package.

Here the stream cipher has been modified always to include the time when initializing the state. That makes it impossible to regenerate the same random sequence twice, so this can't be used for encryption, but will generate good random numbers.

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This code implements the MD5 message-digest algorithm. The algorithm is due to Ron Rivest. This code was written by Colin Plumb in 1993, no copyright is claimed. This code is in the public domain; do with it what you wish.

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To compute the message digest of a chunk of bytes, declare an MD5Context structure, pass it to MD5Init, call MD5Update as needed on buffers full of bytes, and then call MD5Final, which will fill a supplied 16-byte array with the digest.

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This code is derived from section 17.1 of Applied Cryptography, second edition, which describes a stream cipher allegedly compatible with RSA Labs "RC4" cipher (the actual description of which is a trade secret). The same algorithm is used as a stream cipher called "arcfour" in Tatu Ylonen's ssh package.

Here the stream cipher has been modified always to include the time when initializing the state. That makes it impossible to regenerate the same random sequence twice, so this can't be used for encryption, but will generate good random numbers.

RC4 is a registered trademark of RSA Laboratories.

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This code implements the MD5 message-digest algorithm. The algorithm is due to Ron Rivest. This code was written by Colin Plumb in 1993, no copyright is claimed. This code is in the public domain; do with it what you wish.

Equivalent code is available from RSA Data Security, Inc. This code has been tested against that, and is equivalent, except that you don't need to include two pages of legalese with every copy.

To compute the message digest of a chunk of bytes, declare an MD5Context structure, pass it to MD5Init, call MD5Update as needed on buffers full of bytes, and then call MD5Final, which will fill a supplied 16-byte array with the digest.

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## 6.31 libcroco 0.6.8 :5.e17

## 6.31.1 Available under license :

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```

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Ty Coon, President of Vice
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ELF(4(O-MhbP@P'04P

p0P0

P

P

P

P100

0 B%0PR

HEte?@h\$0

ZZ

\$100

(J1@pP00.0S)

0Y@000D0H0L

0Pt000

0P

pP

WT @bsdfreebsdnetbsdopenbsdWARNING: BSD label detected on unknown (0x%x) primary partition

WARNING: ignore %d more BSD partitions

WARNING: BSD partition (%d) overflow detected, ignore

WEVGCC: (Linaro GCC 4.5-2012.02) 4.5.4 20120201 (prerelease)A.aeabi\$7-A

A .,symtab.strtab.shstrtab.rel.text.data.bss.rel.data.rel.ro.local.rodata.str1.1.comment.note.GNU-stack.ARM.attributes4

%+4T0 P(G2,V0;\_'op'/V

( h

x\$).3\8

=\s3IZbsd.c\$aprobe\_bsd\_pt\$d.LC1.LC3.LC4.LC0.LC2.LC5.LC6blkid\_partitions\_need\_typeonlyblkid\_probe\_get\_sectorblkid\_probe\_get\_partlistblkid\_partlist\_get\_parentblkid\_partition\_get\_typeprintfblkid\_partlist\_new\_parttableblkid\_is\_nested\_dimensionblkid\_partlist\_add\_partitionblkid\_partition\_set\_type\_GLOBAL\_OFFSET\_TABLE\_blkid\_debug\_maskbsd\_pt\_idinfo8TdpX\$@Px|

\$4

# bsd.lo - a libtool object file

# Generated by libtool (GNU libtool) 2.4

#

```
# Please DO NOT delete this file!  
# It is necessary for linking the library.
```

```
# Name of the PIC object.  
pic_object='.libs/bsd.o'
```

```
# Name of the non-PIC object  
non_pic_object='bsd.o'  
bsd.lo: bsd.c ../../config.h \  
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/stdio.h \  
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/features.h \  
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/cdefs.h \  
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/wordsize.h \  
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/gnu/stubs.h \  
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/include/stddef.h \  
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/types.h \  
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/typesizes.h \  
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/libio.h \  
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/_G_config.h \  
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/wchar.h \  
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/include/stdarg.h \  
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/stdio_lim.h \  
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/sys_errlist.h \  
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/string.h \  
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/xlocale.h \  
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/stdlib.h \  
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/waitflags.h \  
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/waitstatus.h \  
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-
```





```
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm-generic/ioctl.h \  
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/ioctl-types.h \  
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/ttydefaults.h \  
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/unistd.h \  
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/posix_opt.h \  
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/environments.h \  
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/confname.h \  
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/getopt.h \  
../../../../libblkid/src/blkid.h ../../include/list.h blkid_parttypes.h
```

```
../../../../config.h:
```

```
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/stdio.h:
```

```
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/features.h:
```

```
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/cdefs.h:
```

```
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/wordsize.h:
```

```
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/gnu/stubs.h:
```

```
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/include/stddef.h:
```

```
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/types.h:
```

```
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/typesizes.h:
```

```
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/libio.h:
```

```
/home/shiva/mar15/sdk-openwrt/staging_dir/toolchain-arm_v7-a_gcc-4.5-linaro_glibc-2.14.1_eabi/lib/gcc/arm-  
openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/_G_config.h:
```

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/wchar.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/include/stdarg.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/stdio\_lim.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/sys\_errlist.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/string.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/xlocale.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/stdlib.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/waitflags.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/waitstatus.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/endian.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/endian.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/byteswap.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/types.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/time.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/select.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/select.h:



/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/sigset.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/time.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/sysmacros.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/pthreadtypes.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/alloca.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/include/stdint.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/stdint.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/wchar.h:

partitions.h:

../../../../libblkid/src/blkidP.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/dirent.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/dirent.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/posix1\_lim.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/local\_lim.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/linux/limits.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/stat.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-

openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/stat.h:

../../../../include/c.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/include-fixed/limits.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/include-fixed/syslimits.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/limits.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/posix2\_lim.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/xopen\_lim.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/errno.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/errno.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/linux/errno.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm/errno.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm-generic/errno.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm-generic/errno-base.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/err.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/fcntl.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/fcntl.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/uiio.h:

../../../../include/bitops.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/param.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/linux/param.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm/param.h:

../../../../include/blkdev.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/ioctl.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/ioctls.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm/ioctls.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm-generic/ioctls.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/linux/ioctl.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm/ioctl.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/asm-generic/ioctl.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/ioctl-types.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/sys/ttydefaults.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/unistd.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/posix\_opt.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-

openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/environments.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/bits/confname.h:

/home/shiva/mar15/sdk-openwrt/staging\_dir/toolchain-arm\_v7-a\_gcc-4.5-linaro\_glibc-2.14.1\_eabi/lib/gcc/arm-openwrt-linux-gnueabi/4.5.4/../../../../arm-openwrt-linux-gnueabi/sys-include/getopt.h:

../../../../libblkid/src/blkid.h:

../../../../include/list.h:

blkid\_parttypes.h:

/\*

\* Fallback for old or obscure libcs without dynamically allocated cpusets

\*

\* The following macros are based on code from glibc.

\*

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```

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```
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```

```
<signature of Ty Coon>, 1 April 1990  
Ty Coon, President of Vice
```

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```
/* Align/Truncate a string in a given screen width
```

```
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```

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```
/*
 * setpwnam.c -- edit an entry in a password database.
 *
 * (c) 1994 Salvatore Valente <svalente@mit.edu>
 * This file is free software; you can redistribute it and/or
 * modify it under the terms of the GNU Library General Public License as
 * published by the Free Software Foundation; either version 2 of the
 * License, or (at your option) any later version.
 *
 * Edited 11/10/96 (DD/MM/YY ;-)) by Nicolai Langfeldt (janl@math.uio.no)
 * to read /etc/passwd directly so that passwd, chsh and chfn can work on
 * machines that run NIS (n" YP). Changes will not be made to usernames
 * starting with +.
 *
```

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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a



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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse

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<signature of Ty Coon>, 1 April 1990  
Ty Coon, President of Vice

That's all there is to it!

```
/* Align/Truncate a string in a given screen width  
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```

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```
/* tailf.c -- tail a log file and then follow it
```

```
* Created: Tue Jan 9 15:49:21 1996 by faith@acm.org
```

```
* Copyright 1996, 2003 Rickard E. Faith (faith@acm.org)
```

```
*
```

```
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```
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- \*
- \* less -F and tail -f cause a disk access every five seconds. This
- \* program avoids this problem by waiting for the file size to change.
- \* Hence, the file is not accessed, and the access time does not need to be
- \* flushed back to disk. This is sort of a "stealth" tail.
- \*/

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Version 3, 29 June 2007

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```
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under certain conditions; type `show c' for details.
```

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## 6.38 libxml2 2.9.1 :6.1.el7.centos.3

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```
<html><head>
```

```
  <meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
```

```
  <title>Copyright</title><link rel="stylesheet" href="reference.css" type="text/css"><meta name="generator" content="DocBook XSL Stylesheets V1.37"></head><body bgcolor="white" text="black" link="#0000FF" vlink="#840084" alink="#0000FF"><div class="legalnotice"><p class="legalnotice-
```

```
title"><b>Copyright</b></p><p>Permission is hereby granted, free of charge, to any person
```

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-->

</BODY>

```
</HTML>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
```

```
<!--
```

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```
--><html xmlns="http://www.w3.org/1999/xhtml">
<head>
  <title>log4cxx - Project License</title>
  <style type="text/css" media="all">
    @import url("./css/maven-base.css");
    @import url("./css/maven-theme.css");
    @import url("./css/site.css");
  </style>
  <link rel="stylesheet" href="./css/print.css" type="text/css" media="print" />
  <meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1" />
</head>
<body class="composite">
  <div id="banner">
    <a href="http://logging.apache.org/" id="bannerLeft">

    
```

```
</a>
  <div class="clear">
<hr/>
</div>
</div>
<div id="breadcrumbs">
```

```
  <div class="xleft">
Last Published: 2008-03-31
  |
  <a href="http://www.apache.org/" class="externalLink">Apache</a>
  >

  <a href="http://logging.apache.org/" class="externalLink">Logging Services</a>
  >

log4cxx
  </div>
<div class="xright">
```

```
</div>
  <div class="clear">
  <hr/>
</div>
</div>
<div id="leftColumn">
  <div id="navcolumn">
```

```
<h5>Get log4cxx</h5>
<ul>

<li class="none">
  <a href="download.html">Download</a>
</li>

<li class="none">
  <a href="changes-report.html">Changes</a>
</li>

<li class="none">
  <strong>License</strong>
</li>
</ul>
  <h5>About log4cxx</h5>
  <ul>

<li class="none">
  <a href="index.html">What is log4cxx?</a>
</li>

<li class="none">
  <a href="apidocs/index.html">API Documentation</a>
</li>

<li class="none">
  <a href="faq.html">FAQ</a>
</li>
</ul>
  <h5>Community</h5>
  <ul>

<li class="none">
  <a href="mail-lists.html">Mailing Lists</a>
</li>

<li class="none">
  <a href="issue-tracking.html">Issue Tracking</a>
</li>

<li class="none">
  <a href="http://wiki.apache.org/logging-log4cxx" class="externalLink">Wiki</a>
</li>
</ul>
  <h5>Development</h5>
  <ul>
```

```
<li class="none">
  <a href="source-repository.html">Repository</a>
</li>
```

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</li>
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<div class="source"><pre>
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Major authors:

-----

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Anatoly Vorobey <[mellon@pobox.com](mailto:mellon@pobox.com)> -- lots of the modern server code

Steven Grimm <[sgrimm@facebook.com](mailto:sgrimm@facebook.com)> -- iov writing (less CPU), UDP mode, non-2.0 slab mantissas, multithread, ...

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# Access Type: Static #
# Data Type: string #
#
#
# Creation Date: 2008-02-07 #
# Author : Sharique Abdullah #
#
#
# Description:Test Cases of Dynamic System Variable license #
# that checks the behavior of this variable in the following ways #
# * Value Check #
# * Scope Check #
#
# Reference: http://dev.mysql.com/doc/refman/5.1/en/ #
# server-system-variables.html #
#
#####

--echo '#-----BS_STVARS_040_01-----#'
#####
# Displaying default value #
#####
SELECT COUNT(@@GLOBAL.license);
--echo 1 Expected

--echo '#-----BS_STVARS_040_02-----#'
#####
# Check if Value can set #
#####

--error ER_INCORRECT_GLOBAL_LOCAL_VAR
SET @@GLOBAL.license=1;
--echo Expected error 'Read only variable'
```

```
SELECT COUNT(@@GLOBAL.license);
```

```
--echo 1 Expected
```

```
--echo '#-----BS_STVARS_040_03-----#'
```

```
#####
```

```
# Check if the value in GLOBAL Table matches value in variable #
```

```
#####
```

```
--disable_warnings
```

```
SELECT @@GLOBAL.license = VARIABLE_VALUE  
FROM INFORMATION_SCHEMA.GLOBAL_VARIABLES  
WHERE VARIABLE_NAME='license';
```

```
--enable_warnings
```

```
--echo 1 Expected
```

```
SELECT COUNT(@@GLOBAL.license);
```

```
--echo 1 Expected
```

```
--disable_warnings
```

```
SELECT COUNT(VARIABLE_VALUE)  
FROM INFORMATION_SCHEMA.GLOBAL_VARIABLES  
WHERE VARIABLE_NAME='license';
```

```
--enable_warnings
```

```
--echo 1 Expected
```

```
--echo '#-----BS_STVARS_040_04-----#'
```

```
#####
```

```
# Check if accessing variable with and without GLOBAL point to same variable #
```

```
#####
```

```
SELECT @@license = @@GLOBAL.license;
```

```
--echo 1 Expected
```

```
--echo '#-----BS_STVARS_040_05-----#'
```

```
#####
```

```
# Check if license can be accessed with and without @@ sign #
```

```
#####
```

```
SELECT COUNT(@@license);
```

```
--echo 1 Expected
```

```
--Error ER_INCORRECT_GLOBAL_LOCAL_VAR
```



```

SELECT COUNT(@@local.license);
--echo Expected error 'Variable is a GLOBAL variable'

--Error ER_INCORRECT_GLOBAL_LOCAL_VAR
SELECT COUNT(@@SESSION.license);
--echo Expected error 'Variable is a GLOBAL variable'

SELECT COUNT(@@GLOBAL.license);
--echo 1 Expected

--Error ER_BAD_FIELD_ERROR
SELECT license = @@SESSION.license;
--echo Expected error 'Readonly variable'
'#-----BS_STVARS_040_01-----#'
SELECT COUNT(@@GLOBAL.license);
COUNT(@@GLOBAL.license)
1
1 Expected
'#-----BS_STVARS_040_02-----#'
SET @@GLOBAL.license=1;
ERROR HY000: Variable 'license' is a read only variable
Expected error 'Read only variable'
SELECT COUNT(@@GLOBAL.license);
COUNT(@@GLOBAL.license)
1
1 Expected
'#-----BS_STVARS_040_03-----#'
SELECT @@GLOBAL.license = VARIABLE_VALUE
FROM INFORMATION_SCHEMA.GLOBAL_VARIABLES
WHERE VARIABLE_NAME='license';
@@GLOBAL.license = VARIABLE_VALUE
1
1 Expected
SELECT COUNT(@@GLOBAL.license);
COUNT(@@GLOBAL.license)
1
1 Expected
SELECT COUNT(VARIABLE_VALUE)
FROM INFORMATION_SCHEMA.GLOBAL_VARIABLES
WHERE VARIABLE_NAME='license';
COUNT(VARIABLE_VALUE)
1
1 Expected
'#-----BS_STVARS_040_04-----#'
SELECT @@license = @@GLOBAL.license;
@@license = @@GLOBAL.license
1
1 Expected

```

```
#-----BS_STVARS_040_05-----#
```

```
SELECT COUNT(@@license);
```

```
COUNT(@@license)
```

```
1
```

```
1 Expected
```

```
SELECT COUNT(@@local.license);
```

```
ERROR HY000: Variable 'license' is a GLOBAL variable
```

```
Expected error 'Variable is a GLOBAL variable'
```

```
SELECT COUNT(@@SESSION.license);
```

```
ERROR HY000: Variable 'license' is a GLOBAL variable
```

```
Expected error 'Variable is a GLOBAL variable'
```

```
SELECT COUNT(@@GLOBAL.license);
```

```
COUNT(@@GLOBAL.license)
```

```
1
```

```
1 Expected
```

```
SELECT license = @@SESSION.license;
```

```
ERROR 42S22: Unknown column 'license' in 'field list'
```

```
Expected error 'Readonly variable'
```

```
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```

```
Version 2, June 1991
```

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\* Michael Hudson-Doyle

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`./test/kewpie/randgen/translateMysql.pl`  
`./test/kewpie/randgen/unit/ExecutorTest.pm`  
`./test/kewpie/randgen/unit/FromGrammarTest.pm`  
`./test/kewpie/randgen/unit/GendataTest.pm`  
`./test/kewpie/randgen/unit/GrammarTest.pm`  
`./test/kewpie/randgen/unit/IPC.pm`  
`./test/kewpie/randgen/unit/IPC_P1.pm`  
`./test/kewpie/randgen/unit/Metadata.pm`  
`./test/kewpie/randgen/unit/ParseAllGrammars.pm`  
`./test/kewpie/randgen/unit/RandomTest.pm`  
`./test/kewpie/randgen/unit/TestMySQLServer.pm`  
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./test/kewpie/randgen/lib/GenTest/Properties.pm  
./test/kewpie/randgen/lib/GenTest/XML/Transporter.pm  
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\*/debug/example1.c  
\*/debug/example2.c  
\*/debug/example3.c  
\*/debug/factorial.c

```

*/debug/main.c
*/debug/my_main.c
*/debug/remove_function_from_trace.pl
*/debug/tests.c
*/debug/tests-t.pl
*/extra/yassl/src/dummy.cpp
*/include/probes_mysql_nodtrace.h
*/libmysqld/resource.h
*/mysql-test/*
*/regex/*
*/sql-bench/graph-compare-results.sh
*/storage/ndb/bin/*
*/storage/ndb/demos/*
*/support-files/binary-configure.sh
*/support-files/my-huge.cnf.sh
*/support-files/my-innodb-heavy-4G.cnf.sh
*/support-files/my-large.cnf.sh
*/support-files/my-medium.cnf.sh
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*/client/*
*/client/echo.c
*/client/get_password.c
*/cmake/*
*/debug/debug_add_tags.pl
*/extra/*
*/include/*
*/libmysql/*
*/libmysqld/*
*/libservices/*
*/mysql-test/include/have_perfschema.inc
*/mysql-test/include/have_perfschema.inc

```

- \*/mysql-test/lib/mtr\_cases.pm
- \*/mysql-test/lib/mtr\_gcov.pl
- \*/mysql-test/lib/mtr\_gprof.pl
- \*/mysql-test/lib/mtr\_io.pl
- \*/mysql-test/lib/mtr\_match.pm
- \*/mysql-test/lib/mtr\_misc.pl
- \*/mysql-test/lib/mtr\_process.pl
- \*/mysql-test/lib/mtr\_report.pm
- \*/mysql-test/lib/mtr\_results.pm
- \*/mysql-test/lib/mtr\_stress.pl
- \*/mysql-test/lib/mtr\_unique.pm
- \*/mysql-test/lib/My/ConfigFactory.pm
- \*/mysql-test/lib/My/Config.pm
- \*/mysql-test/lib/My/CoreDump.pm
- \*/mysql-test/lib/My/File/\*
- \*/mysql-test/lib/My/Find.pm
- \*/mysql-test/lib/My/Handles.pm
- \*/mysql-test/lib/My/Options.pm
- \*/mysql-test/lib/My/Platform.pm
- \*/mysql-test/lib/My/SafeProcess/Base.pm
- \*/mysql-test/lib/My/SafeProcess.pm
- \*/mysql-test/lib/My/SafeProcess/safe\_kill\_win.cc
- \*/mysql-test/lib/My/SafeProcess/safe\_process.cc
- \*/mysql-test/lib/My/SafeProcess/safe\_process.pl
- \*/mysql-test/lib/My/SafeProcess/safe\_process\_win.cc
- \*/mysql-test/lib/My/SysInfo.pm
- \*/mysql-test/lib/My/Test.pm
- \*/mysql-test/lib/t/\*
- \*/mysql-test/lib/v1/mtr\_cases.pl
- \*/mysql-test/lib/v1/mtr\_gcov.pl
- \*/mysql-test/lib/v1/mtr\_gprof.pl
- \*/mysql-test/lib/v1/mtr\_im.pl
- \*/mysql-test/lib/v1/mtr\_io.pl
- \*/mysql-test/lib/v1/mtr\_match.pl
- \*/mysql-test/lib/v1/mtr\_misc.pl
- \*/mysql-test/lib/v1/mtr\_process.pl
- \*/mysql-test/lib/v1/mtr\_report.pl
- \*/mysql-test/lib/v1/mtr\_stress.pl
- \*/mysql-test/lib/v1/mtr\_timer.pl
- \*/mysql-test/lib/v1/mtr\_unique.pl
- \*/mysql-test/lib/v1/My/\*
- \*/mysql-test/lib/v1/My/\*
- \*/mysql-test/lib/v1/mysql-test-run.pl
- \*/mysql-test/mysql-stress-test.pl
- \*/mysql-test/mysql-test-run.pl
- \*/mysql-test/std\_data/\*
- \*/mysql-test/suite/perfschema/include/\*
- \*/mysql-test/suite/perfschema\_stress/include/\*

\*/mysql-test/suite/perfschema\_stress/include/\*  
\*/mysys/\*  
\*/packaging/WiX/ca/\*  
\*/plugin/audit\_null/\*  
\*/plugin/auth/\*  
\*/plugin/daemon\_example/\*  
\*/plugin/fulltext/\*  
\*/plugin/semisync/semisync\_slave.cc  
\*/plugin/semisync/semisync\_slave.h  
\*/scripts/\*  
\*/sql/\*  
\*/sql-common/\*  
\*/storage/\*  
\*/strings/\*  
\*/support-files/config.huge.ini.sh  
\*/support-files/config.medium.ini.sh  
\*/support-files/config.small.ini.sh  
\*/support-files/MacOSX/Description.plist.sh  
\*/support-files/MacOSX/Info.plist.sh  
\*/support-files/MacOSX/StartupParameters.plist.sh  
\*/support-files/MySQL-shared-compat.spec.sh  
\*/support-files/mysql.spec.sh  
\*/support-files/ndb-config-2-node.ini.sh  
\*/tests/\*  
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\*/scripts/mysqlaccess.sh

\*/scripts/mysql\_fix\_extensions.sh

\*/scripts/mysql\_setpermission.sh

\*/sql-bench/\*

\*/storage/myisam/ftbench/ft-test-run.sh

\*/storage/myisam/mi\_test\_all.sh

\*/storage/ndb/test/run-test/atrt-analyze-result.sh

\*/storage/ndb/test/run-test/atrt-clear-result.sh

\*/storage/ndb/test/run-test/atrt-gather-result.sh

\*/storage/ndb/test/run-test/atrt-setup.sh

\*/storage/ndb/test/run-test/make-config.sh

\*/storage/ndb/test/run-test/make-html-reports.sh

\*/storage/ndb/test/run-test/make-index.sh

\*/storage/ndb/test/run-test/ndb-autotest.sh

\*/strings/strxmov.c

\*/strings/strxnmov.c

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\*/sql-bench/innotest2.sh  
\*/sql-bench/innotest2a.sh  
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\*/storage/innobase/include/os0sync.h  
\*/storage/innobase/log/log0log.c  
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\*/storage/innobase/buf/buf0buf.c  
\*/storage/innobase/include/sync0rw.h  
\*/storage/innobase/include/sync0sync.h  
\*/storage/innobase/sync/\*

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\*/storage/myisam/rt\_key.c

\*/storage/myisam/rt\_mbr.c

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\*/storage/myisam/sp\_defs.h

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\*/storage/innobase/ut/ut0bh.c

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Steven Grimm <sgrimm@facebook.com> -- iov writing (less CPU), UDP mode, non-2.0 slab mantissas, multithread, ...

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```

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```

## 6.46 perl 5.20.0

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\*

\* Author: Siarhei Siamashka (siarhei.siamashka@nokia.com)

\*/

/\*

\* This file contains a macro ('generate\_composite\_function') which can  
\* construct 2D image processing functions, based on a common template.  
\* Any combinations of source, destination and mask images with 8bpp,  
\* 16bpp, 24bpp, 32bpp color formats are supported.

\*

\* This macro takes care of:

\* - handling of leading and trailing unaligned pixels  
\* - doing most of the work related to L2 cache preload  
\* - encourages the use of software pipelining for better instructions  
\* scheduling

\*

\* The user of this macro has to provide some configuration parameters  
\* (bit depths for the images, prefetch distance, etc.) and a set of  
\* macros, which should implement basic code chunks responsible for  
\* pixels processing. See 'pixman-arm-neon-asm.S' file for the usage  
\* examples.

\*

\* TODO:

```

* - try overlapped pixel method (from Ian Rickards) when processing
* exactly two blocks of pixels
* - maybe add an option to do reverse scanline processing
*/

/*
* Bit flags for 'generate_composite_function' macro which are used
* to tune generated functions behavior.
*/
.set FLAG_DST_WRITEONLY,    0
.set FLAG_DST_READWRITE,   1
.set FLAG_DEINTERLEAVE_32BPP, 2

/*
* Offset in stack where mask and source pointer/stride can be accessed
* from 'init' macro. This is useful for doing special handling for solid mask.
*/
.set ARGS_STACK_OFFSET,    40

/*
* Constants for selecting preferable prefetch type.
*/
.set PREFETCH_TYPE_NONE,    0 /* No prefetch at all */
.set PREFETCH_TYPE_SIMPLE,  1 /* A simple, fixed-distance-ahead prefetch */
.set PREFETCH_TYPE_ADVANCED, 2 /* Advanced fine-grained prefetch */

/*
* Definitions of supplementary pixld/pixst macros (for partial load/store of
* pixel data).
*/

.macro pixldst1 op, elem_size, reg1, mem_operand, abits
.if abits > 0
    op&.&elem_size {d&reg1}, [&mem_operand&, :&abits&]!
.else
    op&.&elem_size {d&reg1}, [&mem_operand&]!
.endif
.endm

.macro pixldst2 op, elem_size, reg1, reg2, mem_operand, abits
.if abits > 0
    op&.&elem_size {d&reg1, d&reg2}, [&mem_operand&, :&abits&]!
.else
    op&.&elem_size {d&reg1, d&reg2}, [&mem_operand&]!
.endif
.endm

.macro pixldst4 op, elem_size, reg1, reg2, reg3, reg4, mem_operand, abits

```



```

.if abits > 0
    op&.&elem_size {d&reg1, d&reg2, d&reg3, d&reg4}, [&mem_operand&, :&abits&]!
.else
    op&.&elem_size {d&reg1, d&reg2, d&reg3, d&reg4}, [&mem_operand&]!
.endif
.endm

.macro pixldst0 op, elem_size, reg1, idx, mem_operand, abits
    op&.&elem_size {d&reg1[idx]}, [&mem_operand&]!
.endm

.macro pixldst3 op, elem_size, reg1, reg2, reg3, mem_operand
    op&.&elem_size {d&reg1, d&reg2, d&reg3}, [&mem_operand&]!
.endm

.macro pixldst30 op, elem_size, reg1, reg2, reg3, idx, mem_operand
    op&.&elem_size {d&reg1[idx], d&reg2[idx], d&reg3[idx]}, [&mem_operand&]!
.endm

.macro pixldst numbytes, op, elem_size, basereg, mem_operand, abits
.if numbytes == 32
    pixldst4 op, elem_size, %(basereg+4), %(basereg+5), \
        %(basereg+6), %(basereg+7), mem_operand, abits
.elseif numbytes == 16
    pixldst2 op, elem_size, %(basereg+2), %(basereg+3), mem_operand, abits
.elseif numbytes == 8
    pixldst1 op, elem_size, %(basereg+1), mem_operand, abits
.elseif numbytes == 4
    .if !RESPECT_STRICT_ALIGNMENT || (elem_size == 32)
        pixldst0 op, 32, %(basereg+0), 1, mem_operand, abits
    .elseif elem_size == 16
        pixldst0 op, 16, %(basereg+0), 2, mem_operand, abits
        pixldst0 op, 16, %(basereg+0), 3, mem_operand, abits
    .else
        pixldst0 op, 8, %(basereg+0), 4, mem_operand, abits
        pixldst0 op, 8, %(basereg+0), 5, mem_operand, abits
        pixldst0 op, 8, %(basereg+0), 6, mem_operand, abits
        pixldst0 op, 8, %(basereg+0), 7, mem_operand, abits
    .endif
.elseif numbytes == 2
    .if !RESPECT_STRICT_ALIGNMENT || (elem_size == 16)
        pixldst0 op, 16, %(basereg+0), 1, mem_operand, abits
    .else
        pixldst0 op, 8, %(basereg+0), 2, mem_operand, abits
        pixldst0 op, 8, %(basereg+0), 3, mem_operand, abits
    .endif
.elseif numbytes == 1
    pixldst0 op, 8, %(basereg+0), 1, mem_operand, abits

```

```

.else
.error "unsupported size: numbytes"
.endif
.endm

.macro pixld numpix, bpp, basereg, mem_operand, abits=0
.if bpp > 0
.if (bpp == 32) && (numpix == 8) && (DEINTERLEAVE_32BPP_ENABLED != 0)
pixldst4 vld4, 8, %(basereg+4), %(basereg+5), \
    %(basereg+6), %(basereg+7), mem_operand, abits
.elseif (bpp == 24) && (numpix == 8)
pixldst3 vld3, 8, %(basereg+3), %(basereg+4), %(basereg+5), mem_operand
.elseif (bpp == 24) && (numpix == 4)
pixldst30 vld3, 8, %(basereg+0), %(basereg+1), %(basereg+2), 4, mem_operand
pixldst30 vld3, 8, %(basereg+0), %(basereg+1), %(basereg+2), 5, mem_operand
pixldst30 vld3, 8, %(basereg+0), %(basereg+1), %(basereg+2), 6, mem_operand
pixldst30 vld3, 8, %(basereg+0), %(basereg+1), %(basereg+2), 7, mem_operand
.elseif (bpp == 24) && (numpix == 2)
pixldst30 vld3, 8, %(basereg+0), %(basereg+1), %(basereg+2), 2, mem_operand
pixldst30 vld3, 8, %(basereg+0), %(basereg+1), %(basereg+2), 3, mem_operand
.elseif (bpp == 24) && (numpix == 1)
pixldst30 vld3, 8, %(basereg+0), %(basereg+1), %(basereg+2), 1, mem_operand
.else
pixldst %(numpix * bpp / 8), vld1, %(bpp), basereg, mem_operand, abits
.endif
.endif
.endm

.macro pixst numpix, bpp, basereg, mem_operand, abits=0
.if bpp > 0
.if (bpp == 32) && (numpix == 8) && (DEINTERLEAVE_32BPP_ENABLED != 0)
pixldst4 vst4, 8, %(basereg+4), %(basereg+5), \
    %(basereg+6), %(basereg+7), mem_operand, abits
.elseif (bpp == 24) && (numpix == 8)
pixldst3 vst3, 8, %(basereg+3), %(basereg+4), %(basereg+5), mem_operand
.elseif (bpp == 24) && (numpix == 4)
pixldst30 vst3, 8, %(basereg+0), %(basereg+1), %(basereg+2), 4, mem_operand
pixldst30 vst3, 8, %(basereg+0), %(basereg+1), %(basereg+2), 5, mem_operand
pixldst30 vst3, 8, %(basereg+0), %(basereg+1), %(basereg+2), 6, mem_operand
pixldst30 vst3, 8, %(basereg+0), %(basereg+1), %(basereg+2), 7, mem_operand
.elseif (bpp == 24) && (numpix == 2)
pixldst30 vst3, 8, %(basereg+0), %(basereg+1), %(basereg+2), 2, mem_operand
pixldst30 vst3, 8, %(basereg+0), %(basereg+1), %(basereg+2), 3, mem_operand
.elseif (bpp == 24) && (numpix == 1)
pixldst30 vst3, 8, %(basereg+0), %(basereg+1), %(basereg+2), 1, mem_operand
.else
pixldst %(numpix * bpp / 8), vst1, %(bpp), basereg, mem_operand, abits
.endif
.endif

```

```

.endif
.endm

.macro pixld_a numpix, bpp, basereg, mem_operand
.if (bpp * numpix) <= 128
    pixld numpix, bpp, basereg, mem_operand, %(bpp * numpix)
.else
    pixld numpix, bpp, basereg, mem_operand, 128
.endif
.endm

.macro pixst_a numpix, bpp, basereg, mem_operand
.if (bpp * numpix) <= 128
    pixst numpix, bpp, basereg, mem_operand, %(bpp * numpix)
.else
    pixst numpix, bpp, basereg, mem_operand, 128
.endif
.endm

/*
* Pixel fetcher for nearest scaling (needs TMP1, TMP2, VX, UNIT_X register
* aliases to be defined)
*/

.macro pixld1_s elem_size, reg1, mem_operand
.if elem_size == 16
    mov    TMP1, VX, asr #16
    adds  VX, VX, UNIT_X
5: subpls VX, VX, SRC_WIDTH_FIXED
    bpl   5b
    add   TMP1, mem_operand, TMP1, asl #1
    mov   TMP2, VX, asr #16
    adds  VX, VX, UNIT_X
5: subpls VX, VX, SRC_WIDTH_FIXED
    bpl   5b
    add   TMP2, mem_operand, TMP2, asl #1
    vld1.16 {d&reg1&[0]}, [TMP1, :16]
    mov   TMP1, VX, asr #16
    adds  VX, VX, UNIT_X
5: subpls VX, VX, SRC_WIDTH_FIXED
    bpl   5b
    add   TMP1, mem_operand, TMP1, asl #1
    vld1.16 {d&reg1&[1]}, [TMP2, :16]
    mov   TMP2, VX, asr #16
    adds  VX, VX, UNIT_X
5: subpls VX, VX, SRC_WIDTH_FIXED
    bpl   5b
    add   TMP2, mem_operand, TMP2, asl #1
    vld1.16 {d&reg1&[2]}, [TMP1, :16]

```

```

    vld1.16 {d&reg1&[3]}, [TMP2, :16]
.elseif elem_size == 32
    mov    TMP1, VX, asr #16
    adds  VX, VX, UNIT_X
5: subpls VX, VX, SRC_WIDTH_FIXED
    bpl   5b
    add   TMP1, mem_operand, TMP1, asl #2
    mov   TMP2, VX, asr #16
    adds  VX, VX, UNIT_X
5: subpls VX, VX, SRC_WIDTH_FIXED
    bpl   5b
    add   TMP2, mem_operand, TMP2, asl #2
    vld1.32 {d&reg1&[0]}, [TMP1, :32]
    vld1.32 {d&reg1&[1]}, [TMP2, :32]
.else
    .error "unsupported"
.endif
.endm

.macro pixld2_s elem_size, reg1, reg2, mem_operand
.if 0 /* elem_size == 32 */
    mov    TMP1, VX, asr #16
    add    VX, VX, UNIT_X, asl #1
    add    TMP1, mem_operand, TMP1, asl #2
    mov    TMP2, VX, asr #16
    sub    VX, VX, UNIT_X
    add    TMP2, mem_operand, TMP2, asl #2
    vld1.32 {d&reg1&[0]}, [TMP1, :32]
    mov    TMP1, VX, asr #16
    add    VX, VX, UNIT_X, asl #1
    add    TMP1, mem_operand, TMP1, asl #2
    vld1.32 {d&reg2&[0]}, [TMP2, :32]
    mov    TMP2, VX, asr #16
    add    VX, VX, UNIT_X
    add    TMP2, mem_operand, TMP2, asl #2
    vld1.32 {d&reg1&[1]}, [TMP1, :32]
    vld1.32 {d&reg2&[1]}, [TMP2, :32]
.else
    pixld1_s elem_size, reg1, mem_operand
    pixld1_s elem_size, reg2, mem_operand
.endif
.endm

.macro pixld0_s elem_size, reg1, idx, mem_operand
.if elem_size == 16
    mov    TMP1, VX, asr #16
    adds  VX, VX, UNIT_X
5: subpls VX, VX, SRC_WIDTH_FIXED

```

```

    bpl    5b
    add    TMP1, mem_operand, TMP1, asl #1
    vld1.16 {d&reg1&[idx]}, [TMP1, :16]
.elseif elem_size == 32
    mov    TMP1, VX, asr #16
    adds   VX, VX, UNIT_X
5: subpls VX, VX, SRC_WIDTH_FIXED
    bpl    5b
    add    TMP1, mem_operand, TMP1, asl #2
    vld1.32 {d&reg1&[idx]}, [TMP1, :32]
.endif
.endm

.macro pixld_s_internal numbytes, elem_size, basereg, mem_operand
.if numbytes == 32
    pixld2_s elem_size, %(basereg+4), %(basereg+5), mem_operand
    pixld2_s elem_size, %(basereg+6), %(basereg+7), mem_operand
    pixdeinterleave elem_size, %(basereg+4)
.elseif numbytes == 16
    pixld2_s elem_size, %(basereg+2), %(basereg+3), mem_operand
.elseif numbytes == 8
    pixld1_s elem_size, %(basereg+1), mem_operand
.elseif numbytes == 4
    .if elem_size == 32
        pixld0_s elem_size, %(basereg+0), 1, mem_operand
    .elseif elem_size == 16
        pixld0_s elem_size, %(basereg+0), 2, mem_operand
        pixld0_s elem_size, %(basereg+0), 3, mem_operand
    .else
        pixld0_s elem_size, %(basereg+0), 4, mem_operand
        pixld0_s elem_size, %(basereg+0), 5, mem_operand
        pixld0_s elem_size, %(basereg+0), 6, mem_operand
        pixld0_s elem_size, %(basereg+0), 7, mem_operand
    .endif
.elseif numbytes == 2
    .if elem_size == 16
        pixld0_s elem_size, %(basereg+0), 1, mem_operand
    .else
        pixld0_s elem_size, %(basereg+0), 2, mem_operand
        pixld0_s elem_size, %(basereg+0), 3, mem_operand
    .endif
.elseif numbytes == 1
    pixld0_s elem_size, %(basereg+0), 1, mem_operand
.else
    .error "unsupported size: numbytes"
.endif
.endm

```

```

.macro pixld_s numpix, bpp, basereg, mem_operand
.if bpp > 0
    pixld_s_internal %(numpix * bpp / 8), %(bpp), basereg, mem_operand
.endif
.endm

.macro vuzp8 reg1, reg2
    vuzp.8 d&reg1, d&reg2
.endm

.macro vzip8 reg1, reg2
    vzip.8 d&reg1, d&reg2
.endm

/* deinterleave B, G, R, A channels for eight 32bpp pixels in 4 registers */
.macro pixdeinterleave bpp, basereg
.if (bpp == 32) && (DEINTERLEAVE_32BPP_ENABLED != 0)
    vuzp8 %(basereg+0), %(basereg+1)
    vuzp8 %(basereg+2), %(basereg+3)
    vuzp8 %(basereg+1), %(basereg+3)
    vuzp8 %(basereg+0), %(basereg+2)
.endif
.endm

/* interleave B, G, R, A channels for eight 32bpp pixels in 4 registers */
.macro pixinterleave bpp, basereg
.if (bpp == 32) && (DEINTERLEAVE_32BPP_ENABLED != 0)
    vzip8 %(basereg+0), %(basereg+2)
    vzip8 %(basereg+1), %(basereg+3)
    vzip8 %(basereg+2), %(basereg+3)
    vzip8 %(basereg+0), %(basereg+1)
.endif
.endm

/*
* This is a macro for implementing cache preload. The main idea is that
* cache preload logic is mostly independent from the rest of pixels
* processing code. It starts at the top left pixel and moves forward
* across pixels and can jump across scanlines. Prefetch distance is
* handled in an 'incremental' way: it starts from 0 and advances to the
* optimal distance over time. After reaching optimal prefetch distance,
* it is kept constant. There are some checks which prevent prefetching
* unneeded pixel lines below the image (but it still can prefetch a bit
* more data on the right side of the image - not a big issue and may
* be actually helpful when rendering text glyphs). Additional trick is
* the use of LDR instruction for prefetch instead of PLD when moving to
* the next line, the point is that we have a high chance of getting TLB
* miss in this case, and PLD would be useless.
*/

```

\*  
 \* This sounds like it may introduce a noticeable overhead (when working with  
 \* fully cached data). But in reality, due to having a separate pipeline and  
 \* instruction queue for NEON unit in ARM Cortex-A8, normal ARM code can  
 \* execute simultaneously with NEON and be completely shadowed by it. Thus  
 \* we get no performance overhead at all (\*). This looks like a very nice  
 \* feature of Cortex-A8, if used wisely. We don't have a hardware prefetcher,  
 \* but still can implement some rather advanced prefetch logic in software  
 \* for almost zero cost!

\*  
 \* (\*) The overhead of the prefetcher is visible when running some trivial  
 \* pixels processing like simple copy. Anyway, having prefetch is a must  
 \* when working with the graphics data.

\*/

```
.macro PF a, x:vararg
.if (PREFETCH_TYPE_CURRENT == PREFETCH_TYPE_ADVANCED)
    a x
.endif
.endm
```

```
.macro cache_preload std_increment, boost_increment
.if (src_bpp_shift >= 0) || (dst_r_bpp != 0) || (mask_bpp_shift >= 0)
.if regs_shortage
    PF ldr ORIG_W, [sp] /* If we are short on regs, ORIG_W is kept on stack */
.endif
.if std_increment != 0
    PF add PF_X, PF_X, #std_increment
.endif
    PF tst PF_CTL, #0xF
    PF addne PF_X, PF_X, #boost_increment
    PF subne PF_CTL, PF_CTL, #1
    PF cmp PF_X, ORIG_W
.if src_bpp_shift >= 0
    PF pld, [PF_SRC, PF_X, lsl #src_bpp_shift]
.endif
.if dst_r_bpp != 0
    PF pld, [PF_DST, PF_X, lsl #dst_bpp_shift]
.endif
.if mask_bpp_shift >= 0
    PF pld, [PF_MASK, PF_X, lsl #mask_bpp_shift]
.endif
    PF subge PF_X, PF_X, ORIG_W
    PF subges PF_CTL, PF_CTL, #0x10
.if src_bpp_shift >= 0
    PF ldrgeb DUMMY, [PF_SRC, SRC_STRIDE, lsl #src_bpp_shift]!
.endif
.if dst_r_bpp != 0
    PF ldrgeb DUMMY, [PF_DST, DST_STRIDE, lsl #dst_bpp_shift]!
```

```

.endif
.if mask_bpp_shift >= 0
    PF ldrgeb DUMMY, [PF_MASK, MASK_STRIDE, lsl #mask_bpp_shift]!
.endif
.endif
.endm

.macro cache_preload_simple
.if (PREFETCH_TYPE_CURRENT == PREFETCH_TYPE_SIMPLE)
.if src_bpp > 0
    pld [SRC, #(PREFETCH_DISTANCE_SIMPLE * src_bpp / 8)]
.endif
.if dst_r_bpp > 0
    pld [DST_R, #(PREFETCH_DISTANCE_SIMPLE * dst_r_bpp / 8)]
.endif
.if mask_bpp > 0
    pld [MASK, #(PREFETCH_DISTANCE_SIMPLE * mask_bpp / 8)]
.endif
.endif
.endm

.macro fetch_mask_pixblock
    pixld    pixblock_size, mask_bpp, \
            (mask_basereg - pixblock_size * mask_bpp / 64), MASK
.endm

/*
 * Macro which is used to process leading pixels until destination
 * pointer is properly aligned (at 16 bytes boundary). When destination
 * buffer uses 16bpp format, this is unnecessary, or even pointless.
 */
.macro ensure_destination_ptr_alignment process_pixblock_head, \
                                       process_pixblock_tail, \
                                       process_pixblock_tail_head
.if dst_w_bpp != 24
    tst    DST_R, #0xF
    beq    2f

.irp lowbit, 1, 2, 4, 8, 16
local skip1
.if (dst_w_bpp <= (lowbit * 8)) && ((lowbit * 8) < (pixblock_size * dst_w_bpp))
.if lowbit < 16 /* we don't need more than 16-byte alignment */
    tst    DST_R, #lowbit
    beq    1f
.endif
    pixld_src (lowbit * 8 / dst_w_bpp), src_bpp, src_basereg, SRC
    pixld    (lowbit * 8 / dst_w_bpp), mask_bpp, mask_basereg, MASK
.endif dst_r_bpp > 0

```



```

    pixld_a    (lowbit * 8 / dst_r_bpp), dst_r_bpp, dst_r_basereg, DST_R
    .else
        add     DST_R, DST_R, #lowbit
    .endif
    PF add     PF_X, PF_X, #(lowbit * 8 / dst_w_bpp)
    sub       W, W, #(lowbit * 8 / dst_w_bpp)
1:
    .endif
    .endr
    pixdeinterleave src_bpp, src_basereg
    pixdeinterleave mask_bpp, mask_basereg
    pixdeinterleave dst_r_bpp, dst_r_basereg

    process_pixblock_head
    cache_preload 0, pixblock_size
    cache_preload_simple
    process_pixblock_tail

    pixinterleave dst_w_bpp, dst_w_basereg
    .irp lowbit, 1, 2, 4, 8, 16
    .if (dst_w_bpp <= (lowbit * 8)) && ((lowbit * 8) < (pixblock_size * dst_w_bpp))
    .if lowbit < 16 /* we don't need more than 16-byte alignment */
        tst     DST_W, #lowbit
        beq     1f
    .endif
    pixst_a    (lowbit * 8 / dst_w_bpp), dst_w_bpp, dst_w_basereg, DST_W
1:
    .endif
    .endr
    .endif
2:
    .endm

/*
 * Special code for processing up to (pixblock_size - 1) remaining
 * trailing pixels. As SIMD processing performs operation on
 * pixblock_size pixels, anything smaller than this has to be loaded
 * and stored in a special way. Loading and storing of pixel data is
 * performed in such a way that we fill some 'slots' in the NEON
 * registers (some slots naturally are unused), then perform compositing
 * operation as usual. In the end, the data is taken from these 'slots'
 * and saved to memory.
 *
 * cache_preload_flag - allows to suppress prefetch if
 *                     set to 0
 * dst_aligned_flag   - selects whether destination buffer
 *                     is aligned
 */

```

```

.macro process_trailing_pixels cache_preload_flag, \
    dst_aligned_flag, \
    process_pixblock_head, \
    process_pixblock_tail, \
    process_pixblock_tail_head
    tst    W, #(pixblock_size - 1)
    beq    2f
.irp chunk_size, 16, 8, 4, 2, 1
.if pixblock_size > chunk_size
    tst    W, #chunk_size
    beq    1f
    pixld_src  chunk_size, src_bpp, src_basereg, SRC
    pixld    chunk_size, mask_bpp, mask_basereg, MASK
.if dst_aligned_flag != 0
    pixld_a   chunk_size, dst_r_bpp, dst_r_basereg, DST_R
.else
    pixld    chunk_size, dst_r_bpp, dst_r_basereg, DST_R
.endif
.if cache_preload_flag != 0
    PF add    PF_X, PF_X, #chunk_size
.endif
1:
.endif
.endr

    pixdeinterleave src_bpp, src_basereg
    pixdeinterleave mask_bpp, mask_basereg
    pixdeinterleave dst_r_bpp, dst_r_basereg

    process_pixblock_head
.if cache_preload_flag != 0
    cache_preload 0, pixblock_size
    cache_preload_simple
.endif
    process_pixblock_tail
    pixinterleave dst_w_bpp, dst_w_basereg
.irp chunk_size, 16, 8, 4, 2, 1
.if pixblock_size > chunk_size
    tst    W, #chunk_size
    beq    1f
.if dst_aligned_flag != 0
    pixst_a   chunk_size, dst_w_bpp, dst_w_basereg, DST_W
.else
    pixst    chunk_size, dst_w_bpp, dst_w_basereg, DST_W
.endif
1:
.endif
.endif
2:

```

```

.endm

/*
* Macro, which performs all the needed operations to switch to the next
* scanline and start the next loop iteration unless all the scanlines
* are already processed.
*/

.macro advance_to_next_scanline start_of_loop_label
.if regs_shortage
    ldrd    W, [sp] /* load W and H (width and height) from stack */
.else
    mov     W, ORIG_W
.endif
    add     DST_W, DST_W, DST_STRIDE, lsl #dst_bpp_shift
.if src_bpp != 0
    add     SRC, SRC, SRC_STRIDE, lsl #src_bpp_shift
.endif
.if mask_bpp != 0
    add     MASK, MASK, MASK_STRIDE, lsl #mask_bpp_shift
.endif
.if (dst_w_bpp != 24)
    sub     DST_W, DST_W, W, lsl #dst_bpp_shift
.endif
.if (src_bpp != 24) && (src_bpp != 0)
    sub     SRC, SRC, W, lsl #src_bpp_shift
.endif
.if (mask_bpp != 24) && (mask_bpp != 0)
    sub     MASK, MASK, W, lsl #mask_bpp_shift
.endif
    subs    H, H, #1
    mov     DST_R, DST_W
.if regs_shortage
    str     H, [sp, #4] /* save updated height to stack */
.endif
    bge     start_of_loop_label
.endm

/*
* Registers are allocated in the following way by default:
* d0, d1, d2, d3 - reserved for loading source pixel data
* d4, d5, d6, d7 - reserved for loading destination pixel data
* d24, d25, d26, d27 - reserved for loading mask pixel data
* d28, d29, d30, d31 - final destination pixel data for writeback to memory
*/

.macro generate_composite_function fname, \
    src_bpp_, \
    mask_bpp_, \
    dst_w_bpp_, \

```

```

        flags, \
        pixblock_size_, \
        prefetch_distance, \
        init, \
        cleanup, \
        process_pixblock_head, \
        process_pixblock_tail, \
        process_pixblock_tail_head, \
        dst_w_basereg_ = 28, \
        dst_r_basereg_ = 4, \
        src_basereg_ = 0, \
        mask_basereg_ = 24

.func fname
.global fname
/* For ELF format also set function visibility to hidden */
#ifdef __ELF__
.hidden fname
.type fname, %function
#endif
fname:
    push    {r4-r12, lr}    /* save all registers */

/*
* Select prefetch type for this function. If prefetch distance is
* set to 0 or one of the color formats is 24bpp, SIMPLE prefetch
* has to be used instead of ADVANCED.
*/
.set PREFETCH_TYPE_CURRENT, PREFETCH_TYPE_DEFAULT
.if prefetch_distance == 0
.set PREFETCH_TYPE_CURRENT, PREFETCH_TYPE_NONE
.elseif (PREFETCH_TYPE_CURRENT > PREFETCH_TYPE_SIMPLE) && \
    ((src_bpp_ == 24) || (mask_bpp_ == 24) || (dst_w_bpp_ == 24))
.set PREFETCH_TYPE_CURRENT, PREFETCH_TYPE_SIMPLE
.endif

/*
* Make some macro arguments globally visible and accessible
* from other macros
*/
.set src_bpp, src_bpp_
.set mask_bpp, mask_bpp_
.set dst_w_bpp, dst_w_bpp_
.set pixblock_size, pixblock_size_
.set dst_w_basereg, dst_w_basereg_
.set dst_r_basereg, dst_r_basereg_
.set src_basereg, src_basereg_
.set mask_basereg, mask_basereg_

```

```

.macro pixld_src x:vararg
    pixld x
.endm
.macro fetch_src_pixblock
    pixld_src pixblock_size, src_bpp, \
        (src_basereg - pixblock_size * src_bpp / 64), SRC
.endm
/*
* Assign symbolic names to registers
*/
W      .req    r0    /* width (is updated during processing) */
H      .req    r1    /* height (is updated during processing) */
DST_W  .req    r2    /* destination buffer pointer for writes */
DST_STRIDE .req    r3    /* destination image stride */
SRC     .req    r4    /* source buffer pointer */
SRC_STRIDE .req    r5    /* source image stride */
DST_R   .req    r6    /* destination buffer pointer for reads */

MASK    .req    r7    /* mask pointer */
MASK_STRIDE .req    r8    /* mask stride */

PF_CTL  .req    r9    /* combined lines counter and prefetch */
                /* distance increment counter */
PF_X    .req    r10   /* pixel index in a scanline for current */
                /* prefetch position */
PF_SRC  .req    r11   /* pointer to source scanline start */
                /* for prefetch purposes */
PF_DST  .req    r12   /* pointer to destination scanline start */
                /* for prefetch purposes */
PF_MASK .req    r14   /* pointer to mask scanline start */
                /* for prefetch purposes */
/*
* Check whether we have enough registers for all the local variables.
* If we don't have enough registers, original width and height are
* kept on top of stack (and 'regs_shortage' variable is set to indicate
* this for the rest of code). Even if there are enough registers, the
* allocation scheme may be a bit different depending on whether source
* or mask is not used.
*/
.if (PREFETCH_TYPE_CURRENT < PREFETCH_TYPE_ADVANCED)
    ORIG_W .req    r10 /* saved original width */
    DUMMY  .req    r12 /* temporary register */
    .set   regs_shortage, 0
.elseif mask_bpp == 0
    ORIG_W .req    r7  /* saved original width */
    DUMMY  .req    r8  /* temporary register */
    .set   regs_shortage, 0

```

```

.elseif src_bpp == 0
    ORIG_W .req r4 /* saved original width */
    DUMMY .req r5 /* temporary register */
    .set regs_shortage, 0
.else
    ORIG_W .req r1 /* saved original width */
    DUMMY .req r1 /* temporary register */
    .set regs_shortage, 1
.endif

    .set mask_bpp_shift, -1
.if src_bpp == 32
    .set src_bpp_shift, 2
.elseif src_bpp == 24
    .set src_bpp_shift, 0
.elseif src_bpp == 16
    .set src_bpp_shift, 1
.elseif src_bpp == 8
    .set src_bpp_shift, 0
.elseif src_bpp == 0
    .set src_bpp_shift, -1
.else
    .error "requested src bpp (src_bpp) is not supported"
.endif
.if mask_bpp == 32
    .set mask_bpp_shift, 2
.elseif mask_bpp == 24
    .set mask_bpp_shift, 0
.elseif mask_bpp == 8
    .set mask_bpp_shift, 0
.elseif mask_bpp == 0
    .set mask_bpp_shift, -1
.else
    .error "requested mask bpp (mask_bpp) is not supported"
.endif
.if dst_w_bpp == 32
    .set dst_bpp_shift, 2
.elseif dst_w_bpp == 24
    .set dst_bpp_shift, 0
.elseif dst_w_bpp == 16
    .set dst_bpp_shift, 1
.elseif dst_w_bpp == 8
    .set dst_bpp_shift, 0
.else
    .error "requested dst bpp (dst_w_bpp) is not supported"
.endif

.if (((flags) & FLAG_DST_READWRITE) != 0)

```

```

.set dst_r_bpp, dst_w_bpp
.else
.set dst_r_bpp, 0
.endif
.if (((flags) & FLAG_DEINTERLEAVE_32BPP) != 0)
.set DEINTERLEAVE_32BPP_ENABLED, 1
.else
.set DEINTERLEAVE_32BPP_ENABLED, 0
.endif

.if prefetch_distance < 0 || prefetch_distance > 15
.error "invalid prefetch distance (prefetch_distance)"
.endif

.if src_bpp > 0
ldr SRC, [sp, #40]
.endif
.if mask_bpp > 0
ldr MASK, [sp, #48]
.endif
PF mov PF_X, #0
.if src_bpp > 0
ldr SRC_STRIDE, [sp, #44]
.endif
.if mask_bpp > 0
ldr MASK_STRIDE, [sp, #52]
.endif
mov DST_R, DST_W

.if src_bpp == 24
sub SRC_STRIDE, SRC_STRIDE, W
sub SRC_STRIDE, SRC_STRIDE, W, lsl #1
.endif
.if mask_bpp == 24
sub MASK_STRIDE, MASK_STRIDE, W
sub MASK_STRIDE, MASK_STRIDE, W, lsl #1
.endif
.if dst_w_bpp == 24
sub DST_STRIDE, DST_STRIDE, W
sub DST_STRIDE, DST_STRIDE, W, lsl #1
.endif

/*
* Setup advanced prefetcher initial state
*/
PF mov PF_SRC, SRC
PF mov PF_DST, DST_R
PF mov PF_MASK, MASK

```

```

/* PF_CTL = prefetch_distance | ((h - 1) << 4) */
PF mov    PF_CTL, H, lsl #4
PF add    PF_CTL, #(prefetch_distance - 0x10)

init
.if regs_shortage
    push    {r0, r1}
.endif
    subs    H, H, #1
.if regs_shortage
    str     H, [sp, #4] /* save updated height to stack */
.else
    mov     ORIG_W, W
.endif
    blt     9f
    cmp     W, #(pixblock_size * 2)
    blt     8f
/*
* This is the start of the pipelined loop, which if optimized for
* long scanlines
*/
0:
    ensure_destination_ptr_alignment process_pixblock_head, \
        process_pixblock_tail, \
        process_pixblock_tail_head

/* Implement "head (tail_head) ... (tail_head) tail" loop pattern */
    pixld_a    pixblock_size, dst_r_bpp, \
        (dst_r_basereg - pixblock_size * dst_r_bpp / 64), DST_R
    fetch_src_pixblock
    pixld     pixblock_size, mask_bpp, \
        (mask_basereg - pixblock_size * mask_bpp / 64), MASK
    PF add    PF_X, PF_X, #pixblock_size
    process_pixblock_head
    cache_preload 0, pixblock_size
    cache_preload_simple
    subs     W, W, #(pixblock_size * 2)
    blt     2f
1:
    process_pixblock_tail_head
    cache_preload_simple
    subs     W, W, #pixblock_size
    bge     1b
2:
    process_pixblock_tail
    pixst_a    pixblock_size, dst_w_bpp, \
        (dst_w_basereg - pixblock_size * dst_w_bpp / 64), DST_W

```



```

/* Process the remaining trailing pixels in the scanline */
process_trailing_pixels 1, 1, \
    process_pixblock_head, \
    process_pixblock_tail, \
    process_pixblock_tail_head
advance_to_next_scanline 0b

.if regs_shortage
    pop    {r0, r1}
.endif
cleanup
pop    {r4-r12, pc} /* exit */
/*
* This is the start of the loop, designed to process images with small width
* (less than pixblock_size * 2 pixels). In this case neither pipelining
* nor prefetch are used.
*/
8:
/* Process exactly pixblock_size pixels if needed */
tst    W, #pixblock_size
beq    1f
pixld  pixblock_size, dst_r_bpp, \
    (dst_r_basereg - pixblock_size * dst_r_bpp / 64), DST_R
fetch_src_pixblock
pixld  pixblock_size, mask_bpp, \
    (mask_basereg - pixblock_size * mask_bpp / 64), MASK
process_pixblock_head
process_pixblock_tail
pixst  pixblock_size, dst_w_bpp, \
    (dst_w_basereg - pixblock_size * dst_w_bpp / 64), DST_W
1:
/* Process the remaining trailing pixels in the scanline */
process_trailing_pixels 0, 0, \
    process_pixblock_head, \
    process_pixblock_tail, \
    process_pixblock_tail_head
advance_to_next_scanline 8b
9:
.if regs_shortage
    pop    {r0, r1}
.endif
cleanup
pop    {r4-r12, pc} /* exit */

.purgem  fetch_src_pixblock
.purgem  pixld_src

.unreq  SRC

```

```

.unreq MASK
.unreq DST_R
.unreq DST_W
.unreq ORIG_W
.unreq W
.unreq H
.unreq SRC_STRIDE
.unreq DST_STRIDE
.unreq MASK_STRIDE
.unreq PF_CTL
.unreq PF_X
.unreq PF_SRC
.unreq PF_DST
.unreq PF_MASK
.unreq DUMMY
.endfunc
.endm

/*
 * A simplified variant of function generation template for a single
 * scanline processing (for implementing pixman combine functions)
 */
.macro generate_composite_function_scanline use_nearest_scaling, \
        fname, \
        src_bpp_, \
        mask_bpp_, \
        dst_w_bpp_, \
        flags, \
        pixblock_size_, \
        init, \
        cleanup, \
        process_pixblock_head, \
        process_pixblock_tail, \
        process_pixblock_tail_head, \
        dst_w_basereg_ = 28, \
        dst_r_basereg_ = 4, \
        src_basereg_ = 0, \
        mask_basereg_ = 24

    .func fname
    .global fname
    /* For ELF format also set function visibility to hidden */
    #ifdef __ELF__
        .hidden fname
        .type fname, %function
    #endif
    fname:
        .set PREFETCH_TYPE_CURRENT, PREFETCH_TYPE_NONE

```

```

/*
 * Make some macro arguments globally visible and accessible
 * from other macros
 */
.set src_bpp, src_bpp_
.set mask_bpp, mask_bpp_
.set dst_w_bpp, dst_w_bpp_
.set pixblock_size, pixblock_size_
.set dst_w_basereg, dst_w_basereg_
.set dst_r_basereg, dst_r_basereg_
.set src_basereg, src_basereg_
.set mask_basereg, mask_basereg_

.if use_nearest_scaling != 0
/*
 * Assign symbolic names to registers for nearest scaling
 */
W      .req    r0
DST_W  .req    r1
SRC     .req    r2
VX     .req    r3
UNIT_X  .req    ip
MASK   .req    lr
TMP1   .req    r4
TMP2   .req    r5
DST_R  .req    r6
SRC_WIDTH_FIXED .req  r7

.macro pixld_src x:vararg
    pixld_s x
.endm

ldr    UNIT_X, [sp]
push   {r4-r8, lr}
ldr    SRC_WIDTH_FIXED, [sp, #(24 + 4)]
.if mask_bpp != 0
ldr    MASK, [sp, #(24 + 8)]
.endif
.else
/*
 * Assign symbolic names to registers
 */
W      .req    r0 /* width (is updated during processing) */
DST_W  .req    r1 /* destination buffer pointer for writes */
SRC     .req    r2 /* source buffer pointer */
DST_R  .req    ip /* destination buffer pointer for reads */
MASK   .req    r3 /* mask pointer */

```

```

        .macro pixld_src x:vararg
            pixld x
        .endm
    .endif

    .if (((flags) & FLAG_DST_READWRITE) != 0)
        .set dst_r_bpp, dst_w_bpp
    .else
        .set dst_r_bpp, 0
    .endif
    .if (((flags) & FLAG_DEINTERLEAVE_32BPP) != 0)
        .set DEINTERLEAVE_32BPP_ENABLED, 1
    .else
        .set DEINTERLEAVE_32BPP_ENABLED, 0
    .endif

    .macro fetch_src_pixblock
        pixld_src pixblock_size, src_bpp, \
            (src_basereg - pixblock_size * src_bpp / 64), SRC
    .endm

    init
    mov    DST_R, DST_W

    cmp    W, #pixblock_size
    blt    8f

    ensure_destination_ptr_alignment process_pixblock_head, \
        process_pixblock_tail, \
        process_pixblock_tail_head

    subs   W, W, #pixblock_size
    blt    7f

    /* Implement "head (tail_head) ... (tail_head) tail" loop pattern */
    pixld_a pixblock_size, dst_r_bpp, \
        (dst_r_basereg - pixblock_size * dst_r_bpp / 64), DST_R
    fetch_src_pixblock
    pixld   pixblock_size, mask_bpp, \
        (mask_basereg - pixblock_size * mask_bpp / 64), MASK
    process_pixblock_head
    subs   W, W, #pixblock_size
    blt    2f
1:
    process_pixblock_tail_head
    subs   W, W, #pixblock_size
    bge    1b
2:

```

```

process_pixblock_tail
pixst_a  pixblock_size, dst_w_bpp, \
        (dst_w_basereg - pixblock_size * dst_w_bpp / 64), DST_W
7:
/* Process the remaining trailing pixels in the scanline (dst aligned) */
process_trailing_pixels 0, 1, \
        process_pixblock_head, \
        process_pixblock_tail, \
        process_pixblock_tail_head

cleanup
.if use_nearest_scaling != 0
    pop    {r4-r8, pc} /* exit */
.else
    bx     lr /* exit */
.endif
8:
/* Process the remaining trailing pixels in the scanline (dst unaligned) */
process_trailing_pixels 0, 0, \
        process_pixblock_head, \
        process_pixblock_tail, \
        process_pixblock_tail_head

cleanup

.if use_nearest_scaling != 0
    pop    {r4-r8, pc} /* exit */

.unreq   DST_R
.unreq   SRC
.unreq   W
.unreq   VX
.unreq   UNIT_X
.unreq   TMP1
.unreq   TMP2
.unreq   DST_W
.unreq   MASK
.unreq   SRC_WIDTH_FIXED

.else
    bx     lr /* exit */

.unreq   SRC
.unreq   MASK
.unreq   DST_R
.unreq   DST_W
.unreq   W
.endif

```

```

.purgem  fetch_src_pixblock
.purgem  pixld_src

.endfunc
.endm

.macro generate_composite_function_single_scanline x:vararg
generate_composite_function_scanline 0, x
.endm

.macro generate_composite_function_nearest_scanline x:vararg
generate_composite_function_scanline 1, x
.endm

/* Default prologue/epilogue, nothing special needs to be done */

.macro default_init
.endm

.macro default_cleanup
.endm

/*
* Prologue/epilogue variant which additionally saves/restores d8-d15
* registers (they need to be saved/restored by callee according to ABI).
* This is required if the code needs to use all the NEON registers.
*/

.macro default_init_need_all_regs
vpush  {d8-d15}
.endm

.macro default_cleanup_need_all_regs
vpop  {d8-d15}
.endm

/*****

/*
* Conversion of 8 r5g6b6 pixels packed in 128-bit register (in)
* into a planar a8r8g8b8 format (with a, r, g, b color components
* stored into 64-bit registers out_a, out_r, out_g, out_b respectively).
*
* Warning: the conversion is destructive and the original
* value (in) is lost.
*/

.macro convert_0565_to_8888 in, out_a, out_r, out_g, out_b

```

```

vshrn.u16 out_r, in, #8
vshrn.u16 out_g, in, #3
vsli.u16 in, in, #5
vmov.u8 out_a, #255
vsri.u8 out_r, out_r, #5
vsri.u8 out_g, out_g, #6
vshrn.u16 out_b, in, #2
.endm

.macro convert_0565_to_x888 in, out_r, out_g, out_b
vshrn.u16 out_r, in, #8
vshrn.u16 out_g, in, #3
vsli.u16 in, in, #5
vsri.u8 out_r, out_r, #5
vsri.u8 out_g, out_g, #6
vshrn.u16 out_b, in, #2
.endm

/*
* Conversion from planar a8r8g8b8 format (with a, r, g, b color components
* in 64-bit registers in_a, in_r, in_g, in_b respectively) into 8 r5g6b6
* pixels packed in 128-bit register (out). Requires two temporary 128-bit
* registers (tmp1, tmp2)
*/
.macro convert_8888_to_0565 in_r, in_g, in_b, out, tmp1, tmp2
vshll.u8 tmp1, in_g, #8
vshll.u8 out, in_r, #8
vshll.u8 tmp2, in_b, #8
vsri.u16 out, tmp1, #5
vsri.u16 out, tmp2, #11
.endm

/*
* Conversion of four r5g6b5 pixels (in) to four x8r8g8b8 pixels
* returned in (out0, out1) registers pair. Requires one temporary
* 64-bit register (tmp). 'out1' and 'in' may overlap, the original
* value from 'in' is lost
*/
.macro convert_four_0565_to_x888_packed in, out0, out1, tmp
vshl.u16 out0, in, #5 /* G top 6 bits */
vshl.u16 tmp, in, #11 /* B top 5 bits */
vsri.u16 in, in, #5 /* R is ready in top bits */
vsri.u16 out0, out0, #6 /* G is ready in top bits */
vsri.u16 tmp, tmp, #5 /* B is ready in top bits */
vshr.u16 out1, in, #8 /* R is in place */
vsri.u16 out0, tmp, #8 /* G & B is in place */
vzip.u16 out0, out1 /* everything is in place */
.endm

```

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 */
```

## 6.48 proxy-connect 0.0.1



## 6.48.1 Available under license :

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## 6.50 python 2.7.8

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#### A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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0.9.0 thru 1.2		1991-1995	CWI	yes

1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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include/ruby/oniguruma.h:

regcomp.c:  
regenc.[ch]:  
regerror.c:  
regexec.c:  
regint.h:  
regparse.[ch]:  
enc/ascii.c  
enc/big5.c  
enc/cp949.c  
enc/emacs\_mule.c  
enc/encdb.c  
enc/euc\_jp.c  
enc/euc\_kr.c  
enc/euc\_tw.c  
enc/gb18030.c  
enc/gb2312.c  
enc/gbk.c

enc/iso\_8859\_1.c  
enc/iso\_8859\_10.c  
enc/iso\_8859\_11.c  
enc/iso\_8859\_13.c  
enc/iso\_8859\_14.c  
enc/iso\_8859\_15.c  
enc/iso\_8859\_16.c  
enc/iso\_8859\_2.c  
enc/iso\_8859\_3.c  
enc/iso\_8859\_4.c  
enc/iso\_8859\_5.c  
enc/iso\_8859\_6.c  
enc/iso\_8859\_7.c  
enc/iso\_8859\_8.c  
enc/iso\_8859\_9.c  
enc/koi8\_r.c  
enc/koi8\_u.c  
enc/shift\_jis.c  
enc/unicode.c  
enc/us\_ascii.c  
enc/utf\_16be.c  
enc/utf\_16le.c  
enc/utf\_32be.c  
enc/utf\_32le.c  
enc/utf\_8.c  
enc/windows\_1251.c

Oniguruma ---- (C) K.Kosako <sndgk393 AT ybb DOT ne DOT jp>

<http://www.geocities.jp/kosako3/oniguruma/>  
<http://www.ruby-lang.org/cgi-bin/cvsweb.cgi/oniguruma/>  
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random.c

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A C-program for MT19937, with initialization improved 2002/2/10.

Coded by Takuji Nishimura and Makoto Matsumoto.

This is a faster version by taking Shawn Cokus's optimization,

Matthe Bellew's simplification, Isaku Wada's real version.

Before using, initialize the state by using `init_genrand(seed)`

or `init_by_array(init_key, key_length)`.

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Any feedback is very welcome.

<http://www.math.keio.ac.jp/matamoto/emt.html>

email: [matamoto@math.keio.ac.jp](mailto:matamoto@math.keio.ac.jp)

vm\_dump.c:procstat\_vm

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\* \$FreeBSD: head/usr.bin/procstat/procstat\_vm.c 261780 2014-02-11 21:57:37Z jhb \$

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st.[ch]:

missing/alloca.c:

missing/dup2.c:

missing/erf.c:

missing/finite.c:

missing/hypot.c:

missing/isinf.c:

missing/isnan.c:

missing/lgamma\_r.c:

missing/memcmp.c:

missing/memmove.c:

missing/strchr.c:

missing/strstr.c:  
missing/strtol.c:  
missing/tgamma.c:  
ext/digest/sha1/sha1.[ch]:

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missing/strcat.c  
missing/strcpy.c

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(Arranged for libc by Todd C. Miller)

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= Contributors to Ruby

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\* committer

AKIYOSHI, Masamichi (akiyoshi)

\* committer

\* He had maintained the VMS support on 2003-2004.

Muhammad Ali

\* wrote rdoc for Fiber

Minero Aoki (amine)

\* committer

\* He is the maintainer of:

\* fileutils

\* net/http, net/https

\* net/pop

\* net/smtp

\* racc

\* ripper

\* strscan

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\* committer

\* He was the maintainer of some standard libraries.

Koji Arai

\* committer

arton

\* He is the distributor of ActiveScriptRuby and experimental 1.9.0-x installers for win32.

\* Wrote patches for win32ole, gc.c, tmpdir.rb

== B

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- \* a patch for irb
- \* documentation
- \* He wrote forwardable.rb

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- \* committer
- \* He is the maintainer of scanf

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- \* a patch for REXML.

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- \* a patch for soap

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- \* a patch for mkmf.rb

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- \* a patch for configure.in

Dirkjan Bussink

- \* a patch for date.rb

Daniel Bovensiepen

- \* documentation
- \* a patch for irb

== C

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- \* a patch for configure.in, net/telnet

keith cascio

- \* a patch for optparse.rb

Frederick Cheung

- \* a patch for test/ruby/test\_symbol.rb

Christoph

- \* patches for set.rb

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- \* pathces for net/http, cgi

William D. Clinger

- \* ruby\_strtod is based on his paper.

== D

Ryan Davis (ryan)

\* committer

\* He wrote and is the maintainer of miniunit

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\* committer

Zach Dennis

Martin Duerst (duerst)

\* committer

\* M17N

Paul Duncan

\* pathces for rdoc

Alexander Dymo

\* a patch for lib/benchmark.rb

== E

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\* committer

\* He wrote and is the maintainer of base64 library (1.9)

\* did much upon YARV compiler.

erlercw

\* wrote Integer::gcd2

== F

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\* a patch for net/pop

Fundakowski Feldman

\* a patch for process.c

Mauricio Fernandez

\* patches for parse.y

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\* committer

\* M17N

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- \* committer
- \* He is the maintainer of cgi/\*

FUKUMOTO, Atsushi

- \* a patch for tracer.rb

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- \* committer
- \* #4415 parallel unit/test

Tadayoshi Funaba (tadf)

- \* committer
- \* He wrote and is the maintainer of
  - \* date
  - \* parsedate (1.8)
- \* He ported rational.rb and complex.rb, which 1.8 contains, into rational.c and complex.c of 1.9.

== G

David M. Gay

- \* ruby\_strtod

Florian Gilcher

- \* documentation

GOTOU, Kentaro (gotoken)

- \* committer
- \* He wrote benchmark.rb
- \* He is the maintainer of:
  - \* benchmark.rb
  - \* open3

GOTOU, Yuuzou (gotoyuzo)

- \* committer

James Edward Gray II (jeg2)

- \* committer
- \* He wrote the faster implementation of CSV and is the maintainer of csv.
- \* Wrote documentation for rdoc

== H

Phil Hagelberg

- \* patch for ruby-mode.el's documentation.

Kirk Haines (wyhaines)

- \* committer
- \* the maintainer of ruby\_1\_8\_6 branch

Shinichiro Hamaji

- \* fixed memory leaks (marshal.c, string.c)

Shin-ichiro HARA

- \* the developer and the sysop of ruby-{dev,list,core,talk} archive.
- \* a patch for numeric.c

Chris Heath (traumdeutung)

- \* a patch for proc.c

HIROKAWA Hisashi

- \* fixed socket/socket.c

Daniel Hob

- \* He wrote:
  - \* SMTP-TLS support for net/smtp.
  - \* POP3S support

Eric Hodel (drbrain)

- \* committer
- \* He is the maintainer of:
  - \* rdoc
  - \* ri
  - \* rubygems

Erik Hollensbe

- \* a patch for delegate.rb

Johan Holmberg

- \* a patch for dir.c
- \* documentation

Erik Huelsmann

Dae San Hwang

- \* built a continuous integration environment on OpenSolaris.

== I

Nobuhiro IMAI

- \* a patch for logger.rb

"incorporate"

- \* a patch for sprintf.c

Keiju Ishitsuka (keiju)

- \* committer

\* He wrote and is the maintainer of:

- \* cmath.rb (1.9)
- \* complex.rb (1.8)
- \* e2mmap.rb
- \* forwardable.rb
- \* irb
- \* mathn
- \* matrix.rb
- \* mutex\_m.rb
- \* rational.rb (1.8)
- \* sync.rb
- \* shell/\*
- \* thwait.rb
- \* tracer.rb

== J

Curtis Jackson

- \* missing/dup2.c

Alan Johnson

- \* a patch for net/ftp

Lyle Johnson

- \* patches for nkf, bigdecimal, numeric.c

== K

Yoshihiro Kambayashi

- \* a patch for enc/trans/single\_byte.trans.
- \* He wrote supports for some encodings.

Yutaka Kanemoto

- \* patches for common.mk, AIX AF\_INET6 support

Motoyuki Kasahara

- \* He wrote getoptlong.rb

Masahiro Kawato

- \* a patch for shellwords.rb

Wataru Kimura

- \* a patch for configure.in

Michael Klishin

- \* patch for make help.

Noritada Kobayashi

\* a patch for optparse.rb

Shigeo Kobayashi (shigek)

\* committer

\* He is the maintainer of bigdecimal

KONISHI, Hiromasa (H\_Konishi)

\* committer

\* He had maintained the bcc32 support in 2004.

Kornelius "murphy" Kalnbach

\* documentation

K.Kosako (kosako)

\* committer

\* He wrote Oniguruma.

Takehiro Kubo

\* patches for dl 64bit support.

== L

Marc-Andre Lafortune (marcandre)

\* committer

\* patches for hash.c, array.c, thread.c, enumc, string.c, range.c and rdoc documentation.

Hongli Lai

\* improved pstore.rb

\* patch for tool/file2lastrev.rb.

raspberry lemon

\* a patch for webrick/httpproxy.rb.

Christian Loew

\* a patch for fileutils.rb

== M

Shugo Maeda (shugo)

\* committer

\* A system administrator of ruby-lang.org servers.

\* He wrote and is the maintainer of:

\* monitor.rb

\* net/ftp

\* net/imap

Stephan Maka (mathew)

\* documentation

Yukihiro Matsumoto (matz)

- \* Matz -- the founder, language designer of Ruby.
- \* committer
- \* Ruby itself, most of Ruby.
- \* He is the maintainer of:
  - \* singleton
  - \* timeout
  - \* gdbm
  - \* sdbm

Konrad Meyer

- \* documentation

Mib Software

- \* missing/vsnprintf.c

Todd C. Miller

- \* missing/strlcat.c
- \* missing/strncpy.c

MIYASAKA, Masaru

- \* a patch for cgi.rb

Stefan Monnier

- \* regex.c was fixed with based on his Emacs21 patch.

Marcel Moolenaar

- \* patches for eval.c and gc.c.

moonwolf

- \* a patch for REXML, xmlrpc

Hiroshi Moriyama

- \* a patch for yaml.

Kyosuke Morohashi

- \* a patch for gem\_prelude.rb

Kenta Murata

- \* patches for json, bignum.c

Akinori MURASHI (knu)

- \* committer
- \* He wrote and is the maintainer of:
  - \* abbrev.rb
  - \* generator (1.8)
  - \* enumerator (1.8)



- \* set
- \* ipaddr.rb
- \* digest/\*
- \* syslog
- \* He is the branch maintainer of ruby\_1\_8, the release manager of 1.8 series.

== N

Hidetoshi NAGAI (nagai)

- \* committer
- \* He is the maintainer of tk/\*

Nobuyoshi Nakada (nobu)

- \* committer
- \* a.k.a. the "patch monster"
- \* He wrote and is the maintainer of:
  - \* optparse
  - \* stringio
  - \* io/wait
  - \* iconv

Satoshi Nakagawa

- \* patches for util.c

Narihiro Nakamura (nari)

- \* committer
- \* a.k.a. authorNari
- \* working at GC

NAKAMURA, Hiroshi (nahi)

- \* committer
- \* He is the maintainer of:
  - \* csv.rb (1.8)
  - \* logger.rb
  - \* soap/\* (1.8)
  - \* wsdl/\* (1.8)
  - \* xsd/\* (1.8)

NAKAMURA, Usaku (usa)

- \* committer
- \* a.k.a. unak
- \* He is the maintainer of mswin32 and mswin64 support.

NARUSE, Yui (naruse)

- \* committer
- \* a.k.a. "nurse"
- \* Did much upon m17n.
- \* He is the maintainer of:

- \* json
- \* nkf

Christian Neukirchen

- \* a patch for webrick/httputils

Michael Neumann (mneumann)

- \* committer
- \* He is the maintainer of
  - \* xmlrpc (1.8)
  - \* gserver (1.8)

NISHIO Hirokazu

- \* wrote a patch for CVE-2010-0541

Kazuhiro NISHIYAMA (kazu)

- \* committer
- \* a.k.a. znz

Go Noguchi

Martin Nordholts

- \* misc/rdebug.el

nmu

- \* a patch for socket

== O

okkez

- \* He is a sysop of the Ruby Reference Manual Renewal Project.
- \* fixed ipaddr.rb, ext/etc

Haruhiko Okumura

- \* some of missing/\* is based on his book:
  - \* missing/erf.c
  - \* missing/lgamma\_r.c
  - \* missing/tgamma.c

OMAE, jun

- \* a patch for debug.rb

Eugene Ossintsev

- \* documentation

== P

Heesob Park

\* a patch for win32/win32.c.

pegacorn

\* a patch for instruby.rb

== Q

== R

Gaston Ramos

\* documentation

The Regents of the University of California

\* missing/crypt.c

\* missing/vsnprintf.c

Sam Roberts

\* patch for socket

\* documentation

Michal Rokos (michal)

\* committer

\* He was the maintainer of DJGPP support.

rubikitch

\* a patch for io.c

Marcus Rueckert

\* a patch for mkconfig.rb.

Run Paint Run Run

\* patch for enc/unicode.c

\* documentation

Sean Russell (ser)

\* committer

\* He wrote and is the maintainer of REXML.

== S

Kazuo Saito (ksaito)

\* committer

\* M17N

Tadashi Saito

\* patches for test/ruby/test\_math.rb, thread\_\*.c, bignum.c

\* working upon BigDecimal.

\* did much upon documentation

Masahiro Sakai

- \* a patch for io.c

Laurent Sansonetti

- \* a patch for tool/ytab.sed

Jeff Saracco

- \* documentation

Koichi Sasada (ko1)

- \* committer
- \* He wrote YARV.

Hugh Sasse

- \* a patch for net/http
- \* documentation

Charlie Savage

- \* a patch for win32/Makefile.sub

Michael Scholz

- \* a patch for ruby-mode.el

Arthur Schreiber

- \* patch for net/http and rdoc.

Masatoshi SEKI (seki)

- \* committer
- \* He wrote and is the maintainer of:
  - \* drb/\*
  - \* erb
  - \* rinda

Roman Shterenzon

- \* a patch for open-uri.

Kent Sibilev

Gavin Sinclair (gsinclair)

- \* committer

John W. Small

- \* He wrote gserver.rb

Yuki Sonoda (yugui)

- \* committer
- \* She is the maintainer of man/\* manual pages and is the release manager of 1.9 series.

- \* She wrote prime.rb.
- \* A developer and a sysop of redmine.ruby-lang.org.

SOUMA, Yutaka

- \* a patch for pack.c.

Tatsuki Sugiura

- \* WebDAV support for net/http

Masaki Suketa (suke)

- \* committer
- \* He is the maintainer of win32ole

sheepman

- \* patches for ruby.c, thread.c, stringio, enum.c, webrick, net/http

Siena. (siena)

- \* committer

Kirill A. Shutemov

- \* a patch for parse.y

Darren Smith

- \* a patch for golf\_prelude.rb

Richard M. Stallman

- \* missing/alloca.c

Robin Stocker

- \* documentation

Adam Strzelecki

- \* a patch for compile.c

Masashi Sumi

- \* improved net/pop.rb

Eric Sunshine

- \* NeXT OpenStep, Rhapsody support

Kouhei Sutou (kou)

- \* committer
- \* He wrote and is the maintainer of rss/\*

David Symonds

- \* documentation

== T

TAKANO Mitsuhiro (takano32)

- \* committer
- \* He is the maintainer of IA-64 support.
- \* BigDecimal

TAKAO, Kouji (kouji)

- \* committer
- \* He is the maintainer of readline.

Nathaniel Talbott (ntalbott)

- \* committer
- \* He was the maintainer of test/unit, runit, rubyunit.

TANAKA, Akira (akr)

- \* committer
- \* Did much upon m17n.
- \* And he is the maintainer of:
  - \* open-uri
  - \* pathname
  - \* pp
  - \* resolv-replace
  - \* resolv
  - \* time
  - \* tsort

Takaaki Tateishi (ttate)

- \* committer
- \* He was the maintainer of dl

Technorama Ltd. (technorama)

- \* committer
- \* openssl

Andrew Thompson

- \* a patch for socket.c IRIX support.

Dave Thomas (dave)

- \* committer
- \* a.k.a. the Pragmatic Programmer.
- \* He wrote rdoc.

Tietew

- \* patches for win32 support

Masahiro Tomita

- \* a patch for cgi.rb

Jakub Travnik  
\* a patch for eval.c

Tom Truscott  
\* missing/crypt.c

== U

UEDA, Satoshi  
\* a patch for uri

Takaaki Uematsu (uema2)  
\* committer  
\* He was the maintainer of WinCE support.

UENO, Katsuhiko (katsu)  
\* committer  
\* He is the maintainer of zlib

Hajimu UMEMOTO  
\* He wrote ipaddr.rb

URABE, Shyouhei (shyouhei)  
\* committer  
\* a.k.a. mput.  
\* He is the branch maintainer of ruby\_1\_8\_6 and ruby\_1\_8\_7  
\* and is the release manager of 1.8.x-pXXX.

== V

Joel VanderWerf  
\* a patch for numeric.c

Peter Vanbroekhoven

Corinna Vinschen

== W

wanabe (wanabe)  
\* committer  
\* fixed YARV and Oniguruma.

Chun Wang  
\* a patch for time.rb

WATANABE, Hirofumi (eban)  
\* committer

- \* He is the maintainer of
- \* ftools (1.8)
- \* tmpdir
- \* un
- \* Win32API

WATANABE, Tetsuya

- \* a patch for ruby.c

William Webber (wew)

- \* committer

Jim Weirich (jim)

- \* committer
- \* He wrote Rake.

Nathan Weizenbaum

- \* fixed misc/ruby-mode.el.

why the lucky stiff (why)

- \* committer
- \* He is the maintainer of syck

Caley Woods

- \* documentation

Gary Wright

- \* documentation

== X

== Y

Akira Yamada (akira)

- \* committer
- \* He is the maintainer of ruby related packages at Debian project.

Keita Yamaguchi

- \* patches for enum.c, parse.y
- \* documentation

Hirokazu Yamamoto (ocean)

- \* committer

Hirotaaka Yoshioka

- \* a patch for improving SEGV handling

== Z



Aristarkh A Zagorodnikov

\* a patch for io.c

Alexander Zavorine

\* committer

\* He is the maintainer for Symbian OS.

Chiyuan Zhang

\* a patch for misc/ruby-mode.el.

Dee Zsombor (zunda)

\* a patch for thread\_pthread.c

Dan Zwell

\* a patch for net/pop

## 6.54 ruby 1.9.3.484 :6.pe

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enc/big5.c

enc/cp949.c

enc/emacs\_mule.c

enc/encdb.c

enc/euc\_jp.c

enc/euc\_kr.c

enc/euc\_tw.c

enc/gb18030.c

enc/gb2312.c

enc/gbk.c

enc/iso\_8859\_1.c

enc/iso\_8859\_10.c

enc/iso\_8859\_11.c

enc/iso\_8859\_13.c

enc/iso\_8859\_14.c

enc/iso\_8859\_15.c

enc/iso\_8859\_16.c

enc/iso\_8859\_2.c

enc/iso\_8859\_3.c

enc/iso\_8859\_4.c

enc/iso\_8859\_5.c

enc/iso\_8859\_6.c

enc/iso\_8859\_7.c

enc/iso\_8859\_8.c

enc/iso\_8859\_9.c

enc/koi8\_r.c

enc/koi8\_u.c

enc/shift\_jis.c

enc/unicode.c

enc/us\_ascii.c

enc/utf\_16be.c

enc/utf\_16le.c  
enc/utf\_32be.c  
enc/utf\_32le.c  
enc/utf\_8.c  
enc/windows\_1251.c

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<http://www.ruby-lang.org/cgi-bin/cvsweb.cgi/oniguruma/>  
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random.c

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A C-program for MT19937, with initialization improved 2002/2/10.

Coded by Takuji Nishimura and Makoto Matsumoto.

This is a faster version by taking Shawn Cokus's optimization,  
Matthe Bellew's simplification, Isaku Wada's real version.

Before using, initialize the state by using `init_genrand(seed)`

or `init_by_array(init_key, key_length)`.

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`vsnprintf.c`:

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include/ruby/oniguruma.h:

regcomp.c:

regenc.[ch]:

regerror.c:

regexec.c:

regint.h:

regparse.[ch]:

enc/ascii.c

enc/big5.c

enc/cp949.c

enc/emacs\_mule.c

enc/encdb.c

enc/euc\_jp.c

enc/euc\_kr.c

enc/euc\_tw.c

enc/gb18030.c

enc/gb2312.c

enc/gbk.c

enc/iso\_8859\_1.c

enc/iso\_8859\_10.c

enc/iso\_8859\_11.c

enc/iso\_8859\_13.c

enc/iso\_8859\_14.c

enc/iso\_8859\_15.c

enc/iso\_8859\_16.c

enc/iso\_8859\_2.c  
enc/iso\_8859\_3.c  
enc/iso\_8859\_4.c  
enc/iso\_8859\_5.c  
enc/iso\_8859\_6.c  
enc/iso\_8859\_7.c  
enc/iso\_8859\_8.c  
enc/iso\_8859\_9.c  
enc/koi8\_r.c  
enc/koi8\_u.c  
enc/shift\_jis.c  
enc/unicode.c  
enc/us\_ascii.c  
enc/utf\_16be.c  
enc/utf\_16le.c  
enc/utf\_32be.c  
enc/utf\_32le.c  
enc/utf\_8.c  
enc/windows\_1251.c

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<http://www.ruby-lang.org/cgi-bin/cvsweb.cgi/oniguruma/>

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random.c

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A C-program for MT19937, with initialization improved 2002/2/10.

Coded by Takuji Nishimura and Makoto Matsumoto.

This is a faster version by taking Shawn Cokus's optimization, Matthe Bellew's simplification, Isaku Wada's real version.

Before using, initialize the state by using `init_genrand(seed)` or `init_by_array(init_key, key_length)`.

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vsnprintf.c:

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missing/isnan.c:  
missing/lgamma\_r.c:  
missing/memcmp.c:  
missing/memmove.c:  
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ext/digest/sha1/sha1.[ch]:

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ext/nkf/nkf-utf8/nkf.c:  
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```
#####  
### The following text is the original 'license.txt' of tktable ###  
### extension. ###  
### Original Tcl source files are not include in this directry, ###  
### because of all of them are rewrited to Ruby files. ###  
### However, the image data file is quoted from iwidgets source ###  
### archive. ###  
#####
```

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```

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## 6.56 setuptools 0.6c11

### 6.56.1 Available under license :

Metadata-Version: 1.0

Name: setuptools

Version: 0.6c11

Summary: Download, build, install, upgrade, and uninstall Python packages -- easily!

Home-page: <http://pypi.python.org/pypi/setuptools>

Author: Phillip J. Eby

Author-email: [distutils-sig@python.org](mailto:distutils-sig@python.org)

License: PSF or ZPL

#### A. HISTORY OF THE SOFTWARE

=====

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the

software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.2	2008	PSF	yes

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## 6.57 stunnel 4.56 :6.e17

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## 6.59 tokumx 2.0.1

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Written by: Philip Hazel  
Email local part: ph10  
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8-Oct-2009

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A "png\_get\_copyright" function is available, for convenient use in "about" boxes and the like:

```
printf("%s",png_get_copyright(NULL));
```

Also, the PNG logo (in PNG format, of course) is supplied in the files "pngbar.png" and "pngbar.jpg (88x31) and "pngnow.png" (98x31).

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March 29, 2012

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Included here to compliment the Pthreads-win32 license header in wtf/ThreadingWin.cpp file. WebKit is using derived sources of ThreadCondition code from Pthreads-win32.

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[See also the ChangeLog file where individuals are attributed in log entries. Likewise in the FAQ file.]

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- Initiated the project;
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- early prototype routines.

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- early prototype routines;
- ongoing project coordination/maintenance;
- implementation of spin locks and barriers;
- various enhancements;
- bug fixes;
- documentation;
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- Early bug fixes.

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- bug fixes;
- ongoing guidance and standards interpretation.

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Re-implemented and improved read-write locks;  
(with Louis Thomas) re-implemented and improved  
condition variables;  
enhancements to semaphores;  
enhancements to mutexes;  
new mutex implementation in 'futex' style;

suggested a robust implementation of `pthread_once`  
similar to that implemented by V.Kliatchko;  
system clock change handling re CV timeouts;  
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and `TryEnterCriticalSection`;  
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Anuj Goyal `anuj dot goyal at gmail dot com`  
Port to Digital Mars compiler.

Gottlob Frege `gottlobfrege at gmail dot com`  
re-implemented `pthread_once` (version 2)  
(`pthread_once` cancellation added by rpj).

Vladimir Kliatchko `vladimir at kliatchko dot com`

reimplemented pthread\_once with the same form  
as described by A.Terekhov (later version 2);  
implementation of MCS (Mellor-Crummey/Scott) locks.  
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The obligations of the Receiving Party under this Section shall continue during the Initial Term and for a period of five (5) years after expiration or termination of this Agreement. To the extent that the terms of the Non-Disclosure Agreement between Digia and Licensee conflict with the terms of this Section 9, this Section 9 shall be controlling over the terms of the Non-Disclosure Agreement.

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"Confidential Information" shall not include information that (a) is or becomes generally known to the public through no act or omission of the Receiving Party; (b) was in the Receiving Party's lawful possession prior to the disclosure hereunder and was not subject to limitations on disclosure or use; (c) is developed by the Receiving Party without access to the Confidential Information of the Disclosing Party or by persons who have not had access to the Confidential Information of the Disclosing Party as proven by the written records of the Receiving Party; (d) is lawfully disclosed to the Receiving Party without restrictions, by a third party not under an obligation of confidentiality; or (e) the Receiving Party is legally compelled to disclose the information, in which case the Receiving Party shall assert the privileged and confidential nature of the information and cooperate fully with the Disclosing Party to protect against and prevent disclosure of any Confidential Information and to limit the scope of disclosure and the dissemination of disclosed Confidential Information by all legally available means.

The obligations of the Receiving Party under this Section shall continue during the Initial Term and for a period of five (5) years after expiration or termination of this Agreement. To the extent that the terms of the Non-Disclosure Agreement between Digia and Licensee conflict with the terms of this Section 9, this Section 9 shall be controlling over the terms of the Non-Disclosure Agreement.

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#### 10.6 Governing Law and Legal Venue

This Agreement shall be construed and interpreted in accordance with the laws of Finland, excluding its choice of law provisions. Any disputes arising out of or relating to this Agreement shall be resolved in arbitration under the Rules of Arbitration of the Chamber of Commerce of Helsinki, Finland. The arbitration tribunal shall consist of one (1), or if either Party so requires, of three (3), arbitrators. The award shall be final and binding and enforceable in any court of competent jurisdiction. The arbitration shall be held in Helsinki, Finland and the process shall be conducted in the English language.

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Version 2.1, February 1999

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5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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## 6.64 xar 1.6.1

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## 6.66 zope.interface 4.0.5

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* $Id$
*/

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## 7.9 libmnl 1.0.4

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/\* zlib.h -- interface of the 'zlib' general purpose compression library  
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The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files `ftp://ds.internic.net/rfc/rfc1950.txt` (zlib format), `rfc1951.txt` (deflate format) and `rfc1952.txt` (gzip format).  
\*/

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## 7.12 mongoose web server 3.5

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## 7.14 OpenSSL patch to 0.9.8 branch to add RFC5649 (key wrap with pad) 1.0

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```
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/* Written by Dr Stephen N Henson (steve@openssl.org) for the OpenSSL
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 * Modified by Attaullah Baig (abaig@paypal.com) to wrap/unwrap any
 * size keys (Implemented RFC5649)
 */
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## 7.17 xmlsec 1.2.25

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