Cisco Virtualization Infrastructure Manager Baremetal Manager API Guide, Release 3.4.0

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Cisco Virtualization Infrastructure Manager Baremetal Manager API Guide

Cisco VIM Baremetal Manager API Guide

Contents

1 Overview

The Cisco VIM Baremetal Manager provides a Representational State Transfer (REST) API that is used to deploy, expand, and manage RIMN.

An API conforms to the RESTful conventions and is defined by using resource and methods. A resource is a collection of information that is identified by a Uniform Resource Identifier (URI). Methods are HTTP methods that are exposed for a resource. The commonly used HTTP methods are POST, GET, PUT, and DELETE.

2 Usecases of REST API

The REST API provides a logical grouping of management nodes in form of site, cluster and nodes for better management of nodes globally.

```
site
`-- clusters
        |-- cluster_0
        |   `-- servers
        |       |-- node_0.0
        |       | .
        |       | .
        |       `-- node_0.n
        | .
        | .
        |-- cluster_n
        |   `-- servers
        |       |-- node_n.0
        |       | .
        |       | .
        |       `-- node_n.n
```

The following list summarizes the various actions that can be performed using REST API:

- Import ISO files for booting Management node.
- Deploy a Cisco VIM Baremetal Manager site, cluster, and node.
- Add cluster to a deployed site.
- Delete cluster from a deployed site.
- Add node to a deployed cluster.
- Delete node from a deployed cluster.
- Jobs to track deployment of site, cluster, and node.

3 Handling Security

The Cisco VIM Baremetal Manager REST API security is provided by the Secure Sockets Layer (SSL) included on the Apache Web Server. The Flask-Restplus based web application runs the Rest API server.

The Flask REST API server requires a username and password to authorize the REST API server requests. Apache handles the authorization process, which authorizes the request to access the Flask web application.

4 Accessing Cisco VIM Baremetal Manager API

You can access API server on the br_api interface on port 8141. Authentication is enabled by default in the webservice.
You can access the API end points of a version (v1 now) using the following URL format: https://<management_node_api_ip>:8141/v1

Where, `<management_node_api_iP>` is the virtual IP address that you provided during the installation of Cisco VIM management node.

By default, the basic authentication is enabled for the API endpoints in the management node.

In the management node, you can find the authentication credentials in the client_confif.json file available at the location: `opt/cisco/argus/rest_api/client_config.json`

The following code shows a sample content of the `client_config.json` file:

```
{
"REST_API_URL": "http://10.22.191.134:8141",
"REST_API_USERNAME": "admin",
"REST_API_PASSWORD": "8675d63674ff686e8688",
"PODTYPE": "rmi"
}
```

5 API Resources

Cisco VIM Baremetal manager REST API is a Flask-Restplus based web application which comes with Swagger integration. Swagger is built around OpenAPI specification that helps to design, build, document, and consume REST APIs.

The REST API resources along with their expected payloads and responses have been documented by Swagger.

6 Cisco VIM Baremetal Manager API Reference

Here is the view of Cisco VIM Baremetal Manager REST API:

swagger

Explore

Argus v1

[Base URL: /v1]

Argus: Cisco's Baremetal Installer

site Argus site operations

PUT /site/{site_name} Alter a site given its name and action

Parameters

Try it out

Name	Description
action * required string *(query)*	The argus site action identifier
site_name * required string *(path)*	The argus site identifier

Responses

Response content type application/json

Code	Description
202	*Site requested operation accepted* Example Value **Model**
404	*Site not found*
409	*Conflict in performing request*

```
Job Action Response  {
    status*        string
    resource_name* string
    job_uuid*      string
}
```

POST /site/{site_name} Create a site given its name and payload

Parameters

Try it out

Name	Description
payload * required *(body)*	Example Value **Model**

```
Site  {
    info*
```

```
Name                Description
                              string
                              minLength: 1
                              maxLength: 50
                              Site info
                    clusters*
                                [Cluster    {
                                info*         string
                                              minLength: 1
                                              maxLength: 50
                                              Cluster info
                                name*         string
                                              minLength: 1
                                              maxLength: 32
                                              Cluster name
                                servers*
                                                [Node    {
                                                name*                 string
                                                                      minLength: 1
                                                                      maxLength: 32
                                                                      Node name
                                                oob_ip*               string
                                                                      OOB/CIMC IP
                                                oob_username*         string
                                                                      OOB/CIMC username
                                                domain_name_servers
                                                                         [string]
                                                oob_password*         string
                                                                      OOB/CIMC password
                                                flavor*               string
                                                                      Flavor name
                                                boot_network          string
                                                                      Boot Network interface
                                                ip_address*           Node Interface    {
                                                                         api_[1-9]+_v6 string
                                                                                       API IPv6 CIDR
                                                                         api_[1-9]     string
                                                                         +_v4*         API IPv4 CIDR
                                                                         management_   string
                                                                         [1-9]+_v6     Management IPv6 CIDR
                                                                         management_   string
                                                                         [1-9]+_v4*    Management IPv4 CIDR
                                                                      }
                                                password_hash         string
                                                                      Password Hash
                                              }]
                                }]
                    networking*   Networking    {
                                ntp_servers*
                                                  [string]
                                              description: NTP IP
                                domain_name_servers*
                                                  [string]
                                              description: DNS IP
                                domain_name*  string
                                              Domain Name
                                networks*
                                              Networks    {
                                                 api_[1-9]+_v6  Network Interface    {
                                                                   subnet*       string
                                                                                 Subnet CIDR
                                                                   gateway       string
                                                                                 Gateway IP
                                                                   vlan_id       integer
                                                                                 VLAN ID
                                                                }
                                                 api_[1-9]      Network Interface    {
                                                 +_v4*             subnet*       string
                                                                                 Subnet CIDR
                                                                   gateway       string
                                                                                 Gateway IP
                                                                   vlan_id       integer
                                                                                 VLAN ID
                                                                }
                                                 management_    Network Interface    {
                                                 [1-9]+_v6         subnet*       string
                                                                                 Subnet CIDR
                                                                   gateway       string
                                                                                 Gateway IP
                                                                   vlan_id       integer
                                                                                 VLAN ID
                                                                }
                                                 management_    Network Interface    {
                                                 [1-9]+_v4*        subnet*       string
                                                                                 Subnet CIDR
                                                                   gateway       string
                                                                                 Gateway IP
                                                                   vlan_id       integer
                                                                                 VLAN ID
                                                                }
                                              }
```

Name	Description
	```
	            }
	name*      string
	           minLength: 1
	           maxLength: 32
	           Site name

	metadata*  Metadata   {
	              ssh_key*       string
	              password_hash* string
	                             Password Hash
	           }
	}
	```
site_name * required string *(path)*	The argus site identifier

Responses

Response content type: application/json

Code	Description
201	*Site created successfully*
400	*Bad request*
409	*Conflict in performing request*

GET `/site/{site_name}` Fetch a site given its name

Parameters

Try it out

Name	Description
site_name * required string *(path)*	The argus site identifier

Responses

Response content type: application/json

Code	Description

200	*Success*
	
	Example Value **Model**
	```
	Site Response   {
	   info*        string
	                minLength: 1
	                maxLength: 50
	                Site info

	   status*      string
	   networking*  Networking Response   {
	                   ntp_servers*              [string]
	                                          description: NTP IP
	                   domain_name_servers*
	```

Code	Description

```
                                  [string]
                              description: DNS IP
              domain_name*    string
                              Domain Name

              networks*       Networks Response    {
                                 api_[1-9]+_v6  Network configs Response    {
                                                   subnet*      string
                                                                Subnet CIDR

                                                   gateway      string
                                                                Gateway IP

                                                   vlan_id      integer
                                                                VLAN ID

                                                }
                                 api_[1-9]      Network configs Response    {
                                 +_v4*             subnet*      string
                                                                Subnet CIDR

                                                   gateway      string
                                                                Gateway IP

                                                   vlan_id      integer
                                                                VLAN ID

                                                }
                                 management_    Network configs Response    {
                                 [1-9]+_v6         subnet*      string
                                                                Subnet CIDR

                                                   gateway      string
                                                                Gateway IP

                                                   vlan_id      integer
                                                                VLAN ID

                                                }
                                 management_    Network configs Response    {
                                 [1-9]+_v4*        subnet*      string
                                                                Subnet CIDR

                                                   gateway      string
                                                                Gateway IP

                                                   vlan_id      integer
                                                                VLAN ID

                                                }
                              }
          }
name*     string
          minLength: 1
          maxLength: 32
          Site name

clusters* Clusters Response    {
             <cluster_name>* Cluster Config Response    {
                info*        string
                             minLength: 1
                             maxLength: 50
                             Cluster info

                status*      string
                servers*     Nodes Response    {
                                <node_name>* Node Response    {
                                   status*              string
                                   oob_ip*              string
                                                        OOB/CIMC IP

                                   oob_username*        string
                                                        OOB/CIMC username

                                   domain_name_servers
                                                          [string]
                                   oob_password*        string
                                                        OOB/CIMC password

                                   flavor*              string
                                                        Flavor name

                                   boot_network         string
                                                        Boot Network interface

                                   ip_address*          Node Interface Response

                                                          {
                                                          api_[1-9]   string
                                                          +_v6        API IPv6
                                                                      CIDR

                                                          api_[1-9]   string
                                                          +_v4*       API IPv4
                                                                      CIDR

                                                                      string
```

Code	Description

```
                                                                               management_ Management
                                                                               [1-9]+_v6   IPv6 CIDR

                                                                               management_ string
                                                                               [1-9]+_v4*  Management
                                                                                           IPv4 CIDR

                                                                            }
                                                     password_hash          string
                                                                            Password Hash

                                                  }
                                        }
                              }
                    }
       metadata*    Metadata Response   {
                        ssh_key*        string
                        password_hash*  string
                                        Password Hash

                    }
   }
```

404

Site not found

DELETE **/site/{site_name}** Delete a site given its name

Parameters

Try it out

Name	Description
site_name * required string *(path)*	The argus site identifier

Responses

Response content type application/json

Code	Description
202	*Site delete operation accepted*

Example Value **Model**

```
Job Action Response   {
    status*        string
    resource_name* string
    job_uuid*      string
}
```

Code	Description
204	*Site deleted successfully*
404	*Site not found*
409	*Conflict in performing request*

GET **/site/** List all Sites

Parameters

Try it out

No parameters

Responses

Response content type **application/json**

Code	Description
200	*Success* Example Value **Model**

```
Site List Response    {
    <site_name>*  Site Info Response    {
                      info*          string
                                     minLength: 1
                                     maxLength: 50
                                     Site info

                      status*        string
                  }
}
```

cluster Argus cluster operations

GET `/cluster/{site_name}` List all clusters in the site

Parameters

Try it out

Name	Description
site_name * required string *(path)*	The argus site identifier

Responses

Response content type **application/json**

Code	Description
200	*Success* Example Value **Model**

```
Cluster List Response    {
    <cluster_name>* Cluster Info Response    {
                        info*          string
                                       minLength: 1
                                       maxLength: 50
                                       Cluster info

                        status*        string
                    }
}
```

PUT `/cluster/{site_name}/{cluster_name}` Alter a cluster given its name and action

Parameters

Try it out

Name	Description
action * required string *(query)*	The argus cluster action identifier
cluster_name * required string *(path)*	The argus cluster identifier
site_name * required string *(path)*	The argus site identifier

Responses

Response content type application/json

Code	Description
202	*Cluster requested operation accepted* Example Value **Model**
404	*Cluster not found*
409	*Conflict in performing request*

```
Job Action Response    {
    status*        string
    resource_name* string
    job_uuid*      string
}
```

POST /cluster/{site_name}/{cluster_name} Create a cluster given its name, site and payload

Parameters

Try it out

Name	Description
payload * required *(body)*	Example Value **Model**

```
Site    {
    info*           string
                    minLength: 1
                    maxLength: 50
                    Site info

    clusters*           [Cluster    {
                        info*           string
                                        minLength: 1
                                        maxLength: 50
                                        Cluster info

                        name*           string
                                        minLength: 1
                                        maxLength: 32
                                        Cluster name

                        servers*            [Node    {
                                            name*               string
                                                                minLength: 1
                                                                maxLength: 32
                                                                Node name

                                            oob_ip*             string
                                                                OOB/CIMC IP
                                            oob_username*       string
                                                                OOB/CIMC username
Name                Description
                                        domain_name_servers    [string]
                                        oob_password*        string
                                                             OOB/CIMC password
                                        flavor*              string
                                                             Flavor name
                                        boot_network         string
                                                             Boot Network interface
                                        ip_address*          Node Interface   {
                                                                api_[1-9]+_v6 string
                                                                              API IPv6 CIDR
                                                                api_[1-9]     string
                                                                +_v4*         API IPv4 CIDR
                                                                management_   string
                                                                [1-9]+_v6     Management IPv6 CIDR
                                                                management_   string
                                                                [1-9]+_v4*    Management IPv4 CIDR
                                                              }
                                        password_hash        string
                                                             Password Hash
                                      }]
                              }]
                  networking*   Networking   {
                                   ntp_servers*               [string]
                                                           description: NTP IP
                                   domain_name_servers*       [string]
                                                           description: DNS IP
                                   domain_name*            string
                                                           Domain Name
                                   networks*               Networks   {
                                                              api_[1-9]+_v6  Network Interface   {
                                                                                subnet*     string
                                                                                            Subnet CIDR
                                                                                gateway     string
                                                                                            Gateway IP
                                                                                vlan_id     integer
                                                                                            VLAN ID
                                                                             }
                                                              api_[1-9]      Network Interface   {
                                                              +_v4*             subnet*     string
                                                                                            Subnet CIDR
                                                                                gateway     string
                                                                                            Gateway IP
                                                                                vlan_id     integer
                                                                                            VLAN ID
                                                                             }
                                                              management_    Network Interface   {
                                                              [1-9]+_v6         subnet*     string
                                                                                            Subnet CIDR
                                                                                gateway     string
                                                                                            Gateway IP
                                                                                vlan_id     integer
                                                                                            VLAN ID
                                                                             }
                                                              management_    Network Interface   {
                                                              [1-9]+_v4*        subnet*     string
                                                                                            Subnet CIDR
                                                                                gateway     string
                                                                                            Gateway IP
                                                                                vlan_id     integer
                                                                                            VLAN ID
                                                                             }
                                                           }
                                }
                  name*         string
                                minLength: 1
                                maxLength: 32
                                Site name
                  metadata*     Metadata   {
                                   ssh_key*       string
                                   password_hash* string
                                                  Password Hash
                                }
               }
cluster_name * required   The argus cluster identifier
string
(path)

site_name * required      The argus site identifier
string
(path)
```

Responses

Response content type application/json

Code	Description
201	*Cluster created successfully*
400	*Bad request*
403	*Request not allowed*
409	*Conflict in performing request*

GET `/cluster/{site_name}/{cluster_name}` Fetch a cluster given its name and site

Parameters

Try it out

Name	Description
cluster_name * required string *(path)*	The argus cluster identifier
site_name * required string *(path)*	The argus site identifier

Responses

Response content type application/json

Code	Description
200	*Success* Example Value **Model**

```
Clusters Response    {
    <cluster_name>* Cluster Config Response    {
        info*            string
                         minLength: 1
                         maxLength: 50
                         Cluster info

        status*          string
        servers*         Nodes Response    {
                             <node_name>* Node Response    {
                                 status*              string
                                 oob_ip*              string
                                                      OOB/CIMC IP

                                 oob_username*        string
                                                      OOB/CIMC username

                                 domain_name_servers      [string]
                                 oob_password*        string
                                                      OOB/CIMC password

                                 flavor*              string
                                                      Flavor name
```

Code	Description

```
                                                     boot_network        string
                                                                         Boot Network interface

                                                     ip_address*         Node Interface Response    {
                                                                            api_[1-9]+_v6 string
                                                                                          API IPv6 CIDR

                                                                            api_[1-9]     string
                                                                            +_v4*         API IPv4 CIDR

                                                                            management_   string
                                                                            [1-9]+_v6     Management IPv6 CIDR

                                                                            management_   string
                                                                            [1-9]+_v4*    Management IPv4 CIDR

                                                                         }
                                                     password_hash       string
                                                                         Password Hash

                                                   }
                                         }
                               }
                    }
```

404

Cluster not found

DELETE `/cluster/{site_name}/{cluster_name}` Delete a cluster given its name and site

Parameters

Try it out

Name	Description
cluster_name * required string *(path)*	The argus cluster identifier
site_name * required string *(path)*	The argus site identifier

Responses

Response content type: application/json

Code	Description
202	*Cluster deleted operation accepted* Example Value **Model**

```
Job Action Response    {
    status*         string
    resource_name*  string
    job_uuid*       string
}
```

Code	Description
204	*Cluster deleted successfully*
404	*Cluster not found*
409	*Conflict in performing request*

node Argus node operations

PUT /node/{site_name}/{cluster_name}/{node_name} Alter a node given its name, cluster, site and action

Parameters Try it out

Name	Description
action * required string *(query)*	The argus node action identifier
cluster_name * required string *(path)*	The argus cluster identifier
site_name * required string *(path)*	The argus site identifier
node_name * required string *(path)*	The argus node identifier

Responses Response content type application/json

Code	Description

202	*Node requested operation accepted*
	Example Value **Model**
	Job Action Response {
	status* string
	resource_name* string
	job_uuid* string
	}

404	*Node not found*
409	*Conflict in performing request*

POST /node/{site_name}/{cluster_name}/{node_name} Create a node given its name, cluster, site and payload

Parameters Try it out

Name	Description

payload * required
(body)
	Example Value **Model**
	Site {
	info* string
	minLength: 1
	maxLength: 50
	Site info
	clusters* [Cluster {
	info*

```
Name          Description
                              string
                              minLength: 1
                              maxLength: 50
                              Cluster info
                   name*      string
                              minLength: 1
                              maxLength: 32
                              Cluster name
                   servers*     [Node    {
                              name*              string
                                                 minLength: 1
                                                 maxLength: 32
                                                 Node name
                              oob_ip*            string
                                                 OOB/CIMC IP
                              oob_username*      string
                                                 OOB/CIMC username
                              domain_name_servers
                                                    [string]
                              oob_password*      string
                                                 OOB/CIMC password
                              flavor*            string
                                                 Flavor name
                              boot_network       string
                                                 Boot Network interface
                              ip_address*        Node Interface    {
                                                    api_[1-9]+_v6  string
                                                                   API IPv6 CIDR
                                                    api_[1-9]      string
                                                    +_v4*          API IPv4 CIDR
                                                    management_    string
                                                    [1-9]+_v6      Management IPv6 CIDR
                                                    management_    string
                                                    [1-9]+_v4*     Management IPv4 CIDR
                                                 }
                              password_hash      string
                                                 Password Hash
                            }]
                 }]
        networking*   Networking    {
                   ntp_servers*
                                   [string]
                                description: NTP IP
                   domain_name_servers*
                                   [string]
                                description: DNS IP
                   domain_name*   string
                                  Domain Name
                   networks*      Networks    {
                                     api_[1-9]+_v6  Network Interface    {
                                                       subnet*      string
                                                                    Subnet CIDR
                                                       gateway      string
                                                                    Gateway IP
                                                       vlan_id      integer
                                                                    VLAN ID
                                                    }
                                     api_[1-9]      Network Interface    {
                                     +_v4*             subnet*      string
                                                                    Subnet CIDR
                                                       gateway      string
                                                                    Gateway IP
                                                       vlan_id      integer
                                                                    VLAN ID
                                                    }
                                     management_    Network Interface    {
                                     [1-9]+_v6         subnet*      string
                                                                    Subnet CIDR
                                                       gateway      string
                                                                    Gateway IP
                                                       vlan_id      integer
                                                                    VLAN ID
                                                    }
                                     management_    Network Interface    {
                                     [1-9]+_v4*        subnet*      string
                                                                    Subnet CIDR
                                                       gateway      string
                                                                    Gateway IP
                                                       vlan_id      integer
                                                                    VLAN ID
                                                    }
                                  }
              }
        name*         string
                      minLength: 1
                      maxLength: 32
                      Site name
        metadata*
```

Name	Description

	Metadata {
	 ssh_key* string
	 password_hash* string
	 Password Hash
	 }
	 }

cluster_name * required string *(path)*	The argus cluster identifier
site_name * required string *(path)*	The argus site identifier
node_name * required string *(path)*	The argus node identifier

Responses

Response content type application/json

Code	Description
201	*Node created successfully*
400	*Bad request*
403	*Request not allowed*
409	*Conflict in performing request*

GET `/node/{site_name}/{cluster_name}/{node_name}` Fetch a node given its name, cluster and site

Parameters

Try it out

Name	Description
cluster_name * required string *(path)*	The argus cluster identifier
site_name * required string *(path)*	The argus site identifier
node_name * required string *(path)*	The argus node identifier

Responses

Response content type application/json

Code	Description

Code **Description**

200

Success

Example Value **Model**

```
Nodes Response    {
    <node_name>*  Node Response    {
                      status*            string
                      oob_ip*            string
                                         OOB/CIMC IP

                      oob_username*      string
                                         OOB/CIMC username

                      domain_name_servers
                                            [string]
                      oob_password*      string
                                         OOB/CIMC password

                      flavor*            string
                                         Flavor name

                      boot_network       string
                                         Boot Network interface

                      ip_address*        Node Interface Response    {
                                             api_[1-9]+_v6 string
                                                           API IPv6 CIDR

                                             api_[1-9]     string
                                             +_v4*         API IPv4 CIDR

                                             management_   string
                                             [1-9]+_v6     Management IPv6 CIDR

                                             management_   string
                                             [1-9]+_v4*    Management IPv4 CIDR

                                         }
                      password_hash      string
                                         Password Hash

                  }
}
```

404

Resource not found

DELETE `/node/{site_name}/{cluster_name}/{node_name}` Delete a node given its name, cluster and site

Parameters

Try it out

Name	Description
cluster_name * required string *(path)*	The argus cluster identifier
site_name * required string *(path)*	The argus site identifier
node_name * required string *(path)*	The argus node identifier

Responses

Response content type application/json

Code	Description
202	*Node delete operation accepted*

Code **Description**

Example Value **Model**

```
Job Action Response    {
    status*        string
    resource_name* string
    job_uuid*      string
}
```

204

Node deleted successfully

404

Node not found

409

Conflict in performing request

GET `/node/{site_name}/{cluster_name}` List all nodes in the cluster of a site

Parameters

Try it out

Name	Description
cluster_name * required string *(path)*	The argus cluster identifier
site_name * required string *(path)*	The argus site identifier

Responses

Response content type application/json

Code **Description**

200

Success

Example Value **Model**

```
Node List Response    {
    <node_name>*    Node Info Response    {
                        status*        string
                    }
}
```

job Argus job operations

GET `/job/jobs_info` Fetch all ToRun/Running/Aborting jobs

Parameters

Try it out

No parameters

Responses

Response content type

application/json

Code	Description
200	*Success* Example Value **Model**

```
Running Jobs Response  {
    <job_uuid>*  Job Show Response  {
        tasks*           [Task Response  {
                          status*      string
                          updated_at*  string($date-time)
                          server*      string
                          command*     string
                          error*       string
                          started_at*  string($date-time)
                          stage*       string
                         }]
        description*  string
        created_at*   string($date-time)
        updated_at*   string($date-time)
        aborted_at*   string($date-time)
        version*      string
        command*      string
        log*          string
        error*        string
        started_at*   string($date-time)
        stage*        string
    }
}
```

PUT `/job/{uuid}` Alter a job given its uuid and action

Parameters

Try it out

Name	Description
action * required string *(query)*	The argus job action identifier
uuid * required string *(path)*	The argus job identifier

Responses

Response content type application/json

Code	Description
202	*Job requested operation accepted*
404	*Job not found*
409	*Conflict in performing request*

GET `/job/{uuid}` Fetch a job given its uuid

Parameters

Try it out

Name	Description
uuid * required string *(path)*	The argus job identifier

Responses

Response content type **application/json**

Code	Description
200	*Success* Example Value **Model**

```
Job Show Response    {
    tasks*              [Task Response    {
                        status*       string
                        updated_at*   string($date-time)
                        server*       string
                        command*      string
                        error*        string
                        started_at*   string($date-time)
                        stage*        string
                      }]
    description*  string
    created_at*   string($date-time)
    updated_at*   string($date-time)
    aborted_at*   string($date-time)
    version*      string
    command*      string
    log*          string
    error*        string
    started_at*   string($date-time)
    stage*        string
}
```

Code	Description
404	*Job not found*

DELETE `/job/{uuid}` Delete a job forcefully

Parameters

Try it out

Name	Description
uuid * required string *(path)*	The argus job identifier

Responses

Response content type **application/json**

Code	Description
204	*Job deleted successfully*
404	*Job not found*

Code	Description

GET `/job/` List all Jobs

Parameters

Try it out

No parameters

Responses

Response content type application/json

Code	Description
200	*Success*

Example Value **Model**

```
Job List Response    {
    <job_uuid>*     Job Info Response    {
                        status*         string
                        stage*          string
                        description*    string
                        updated_at*     string($date-time)
                    }
}
```

flavor Argus flavor operations

GET `/flavor/{flavor_name}` Fetch a flavor given its name

Parameters

Try it out

Name	Description
flavor_name * required string *(path)*	The argus flavor identifier

Responses

Response content type application/json

Code	Description
200	*Success*

Example Value **Model**

```
Flavor Show Response    {
    name*               string
    workflow*           string
    boot*               Boot Response    {
                            mode*           string
                        }
    os_policies*
                            [string]
    disk_policies*
                            [string]
    network_policies*
```

Code	Description

	`[string]`
	`}`

404	*Flavor not found*

GET `/flavor/` List all flavors

Parameters

Try it out

No parameters

Responses

Response content type application/json

Code	Description

200	*Success*
	Example Value **Model**
	Flavor List Response `{`
	`flavors*` `[string]`
	`}`

iso Argus ISO operations

POST `/iso/{iso_name}` Import a ISO given its name

Parameters

Try it out

Name	Description

payload * required
(body)
	Example Value **Model**
	ISO Validation `{`
	`file_name*` `string`
	ISO File Name
	`}`

iso_name * required `string` *(path)*	The argus iso identifier

Responses

Response content type application/json

Code	Description
201	*ISO imported successfully*

Code	Description

	Example Value **Model**
	ISO Create Response {
	flavor* string
	}

400	*Bad request*
409	*Conflict in performing request*

GET **/iso/{iso_name}** Fetch a ISO given its name

Parameters

Try it out

Name	Description
iso_name * required string *(path)*	The argus iso identifier

Responses

Response content type application/json

Code	Description

200	*Success*
	Example Value **Model**
	ISO Show Response {
	file_name* string
	flavor* string
	}

404	*ISO not found*

DELETE **/iso/{iso_name}** Delete a ISO forcefully

Parameters

Try it out

Name	Description
iso_name * required string *(path)*	The argus iso identifier

Responses

Response content type application/json

Code	Description

Code	Description
204	*ISO deleted successfully*
404	*ISO not found*

GET `/iso/` List all ISOs

Parameters

Try it out

No parameters

Responses

Response content type application/json

Code	Description
200	*Success* Example Value **Model** ISO List Response { isos* [string] }

```
ISO List Response    {
    isos*                [string]
}
```

setupdata Baremetal Site to Site Translater

POST `/setupdata/{site_name}` Translate a site config to Argus standards

Parameters

Try it out

Name	Description
payload * required *(body)*	Example Value **Model**

```
Baremetal Site Payload    {
    info*            string
                     minLength: 1
                     maxLength: 50
                     Site info
    clusters*            [Baremetal Cluster Payload    {
                         info*            string
                                          minLength: 1
                                          maxLength: 50
                                          Cluster info
                         name*            string
                                          minLength: 1
                                          maxLength: 32
                                          Cluster name
                         servers*             [Baremetal Node Payload    {
                                              name*                 string
                                                                    minLength: 1
                                                                    maxLength: 32
                                                                    Node name
                                              oob_ip*               string
                                                                    OOB/CIMC IP
                                              oob_username          string
                                                                    OOB/CIMC username
                                              domain_name_servers      [string]
                                              oob_password          string
                                                                    OOB/CIMC password
Name                Description
                                        flavor             string
                                                           Flavor name
                                        boot_network       string
                                                           Boot Network interface
                                        ip_address*        Baremetal Node Interface Payload    {
                                                              api_[1-9]       integer
                                                              +_vlan_id       API VLAN ID
                                                              api_[1-9]       string
                                                              +_gateway_v4*   API IPv4 Gateway
                                                              api_[1-9]+_v6   string
                                                                              API IPv6 CIDR
                                                              api_[1-9]       string
                                                              +_v4*           API IPv4 CIDR
                                                              api_[1-9]       string
                                                              +_gateway_v6    API IPv6 Gateway
                                                              management_     string
                                                              [1-9]+_v6       Management IPv6
                                                              management_     string
                                                              [1-9]           Management IPv4 Gateway
                                                              +_gateway_v4
                                                              management_     string
                                                              [1-9]+_v4*      Management IPv4
                                                              management_     string
                                                              [1-9]           Management IPv6 Gateway
                                                              +_gateway_v6
                                                           }
                                        password_hash      string
                                                           Password Hash
                                     }]
                  }]
          name*           string
                          minLength: 1
                          maxLength: 32
                          Site name
          common_info*    Baremetal Common Info Payload    {
                             ntp_servers                [string]
                                                      description: NTP IP(s)
                             oob_username*            string
                                                      OOB/CIMC username
                             domain_name_servers*       [string]
                                                      description: DNS IP(s)
                             ssh_key*                 string
                             domain_name*             string
                                                      Domain Name
                             oob_password*            string
                                                      OOB/CIMC password
                             flavor*                  string
                                                      Flavor name
                             password_hash*           string
                                                      Password Hash
                          }
   }
```

cluster_name string *(query)*	The argus cluster identifier
site_name * required string *(path)*	The argus site identifier
node_name string *(query)*	The argus node identifier

Responses

Response content type application/json

Code	Description
201	*Translated successfully* Example Value **Model** Site {

Code	Description

```
info*          string
               minLength: 1
               maxLength: 50
               Site info

clusters*          [Cluster   {
                   info*         string
                                 minLength: 1
                                 maxLength: 50
                                 Cluster info

                   name*         string
                                 minLength: 1
                                 maxLength: 32
                                 Cluster name

                   servers*            [Node   {
                                       name*                string
                                                            minLength: 1
                                                            maxLength: 32
                                                            Node name

                                       oob_ip*              string
                                                            OOB/CIMC IP

                                       oob_username*        string
                                                            OOB/CIMC username

                                       domain_name_servers
                                                               [string]
                                       oob_password*        string
                                                            OOB/CIMC password

                                       flavor*              string
                                                            Flavor name

                                       boot_network         string
                                                            Boot Network interface

                                       ip_address*          Node Interface    {
                                                                api_[1-9]+_v6 string
                                                                              API IPv6 CIDR

                                                                api_[1-9]     string
                                                                +_v4*         API IPv4 CIDR

                                                                management_   string
                                                                [1-9]+_v6     Management IPv6 CIDR

                                                                management_   string
                                                                [1-9]+_v4*    Management IPv4 CIDR

                                                              }
                                       password_hash        string
                                                            Password Hash

                                     }]
                 }]
networking*    Networking   {
                   ntp_servers*
                                      [string]
                                 description: NTP IP
                   domain_name_servers*
                                      [string]
                                 description: DNS IP
                   domain_name*  string
                                 Domain Name

                   networks*         Networks   {
                                        api_[1-9]+_v6  Network Interface    {
                                                           subnet*      string
                                                                        Subnet CIDR

                                                           gateway      string
                                                                        Gateway IP

                                                           vlan_id      integer
                                                                        VLAN ID

                                                       }
                                        api_[1-9]      Network Interface    {
                                        +_v4*              subnet*      string
                                                                        Subnet CIDR

                                                           gateway      string
                                                                        Gateway IP

                                                           vlan_id      integer
                                                                        VLAN ID

                                                       }
                                        management_    Network Interface    {
                                        [1-9]+_v6          subnet*      string
                                                                        Subnet CIDR

                                                           gateway      string
                                                                        Gateway IP

                                                           vlan_id      integer
                                                                        VLAN ID
```

Code **Description**

```
                                                          }
                                           management_    Network Interface   {
                                           [1-9]+_v4*         subnet*      string
                                                                           Subnet CIDR

                                                              gateway      string
                                                                           Gateway IP

                                                              vlan_id      integer
                                                                           VLAN ID

                                                          }
                                                }
                            }
             name*          string
                            minLength: 1
                            maxLength: 32
                            Site name

             metadata*      Metadata   {
                                ssh_key*       string
                                password_hash* string
                                               Password Hash

                            }
         }
```

400

Bad request

409

Conflict in performing request

Models

```
Boot Response   {
    mode*           string
}
```

```
Cluster Config Response   {
    info*           string
                    minLength: 1
                    maxLength: 50
                    Cluster info

    status*         string
    servers*        Nodes Response   {
                        <node_name>*    Node Response   {
                                            status*             string
                                            oob_ip*             string
                                                                OOB/CIMC IP

                                            oob_username*       string
                                                                OOB/CIMC username

                                            domain_name_servers     [string]
                                            oob_password*       string
                                                                OOB/CIMC password

                                            flavor*             string
                                                                Flavor name

                                            boot_network        string
                                                                Boot Network interface

                                            ip_address*         Node Interface Response   {
                                                                    api_[1-9]+_v6 string
                                                                                  API IPv6 CIDR

                                                                    api_[1-9]     string
                                                                    +_v4*         API IPv4 CIDR

                                                                    management_   string
                                                                    [1-9]+_v6     Management IPv6 CIDR

                                                                    management_   string
                                                                    [1-9]+_v4*    Management IPv4 CIDR

                                                                }
                                            password_hash       string
                                                                Password Hash

                                        }
```

```
                      }
}


Networking    {
    ntp_servers*              [string]
                          description: NTP IP
    domain_name_servers*      [string]
                          description: DNS IP
    domain_name*          string
                          Domain Name

    networks*             Networks    {
                              api_[1-9]+_v6  Network Interface    {
                                                 subnet*       string
                                                               Subnet CIDR

                                                 gateway       string
                                                               Gateway IP

                                                 vlan_id       integer
                                                               VLAN ID

                                             }
                              api_[1-9]      Network Interface    {
                              +_v4*              subnet*       string
                                                               Subnet CIDR

                                                 gateway       string
                                                               Gateway IP

                                                 vlan_id       integer
                                                               VLAN ID

                                             }
                              management_    Network Interface    {
                              [1-9]+_v6          subnet*       string
                                                               Subnet CIDR

                                                 gateway       string
                                                               Gateway IP

                                                 vlan_id       integer
                                                               VLAN ID

                                             }
                              management_    Network Interface    {
                              [1-9]+_v4*         subnet*       string
                                                               Subnet CIDR

                                                 gateway       string
                                                               Gateway IP

                                                 vlan_id       integer
                                                               VLAN ID

                                             }
                          }
}


ISO List Response    {
    isos*               [string]
}


Node Response    {
    status*             string
    oob_ip*             string
                        OOB/CIMC IP

    oob_username*       string
                        OOB/CIMC username

    domain_name_servers     [string]
    oob_password*       string
                        OOB/CIMC password

    flavor*             string
                        Flavor name

    boot_network        string
                        Boot Network interface

    ip_address*         Node Interface Response    {
                            api_[1-9]+_v6 string
                                          API IPv6 CIDR

                            api_[1-9]     string
                            +_v4*         API IPv4 CIDR

                            management_   string
                            [1-9]+_v6     Management IPv6 CIDR

                            management_   string
                            [1-9]+_v4*    Management IPv4 CIDR
                      }
    password_hash     string
                      Password Hash

}
```

Node Interface Response {

```
    api_[1-9]+_v6 string
                  API IPv6 CIDR

    api_[1-9]     string
    +_v4*         API IPv4 CIDR

    management_   string
    [1-9]+_v6     Management IPv6 CIDR

    management_   string
    [1-9]+_v4*    Management IPv4 CIDR

}
```

Node Info Response {

```
    status*       string
}
```

Job List Response {

```
    <job_uuid>*   Job Info Response {
                      status*       string
                      stage*        string
                      description*  string
                      updated_at*   string($date-time)
                  }
}
```

Networking Response {

```
    ntp_servers*                [string]
                            description: NTP IP
    domain_name_servers*        [string]
                            description: DNS IP
    domain_name*            string
                            Domain Name

    networks*               Networks Response {
                                api_[1-9]+_v6  Network configs Response {
                                                   subnet*       string
                                                                 Subnet CIDR

                                                   gateway       string
                                                                 Gateway IP

                                                   vlan_id       integer
                                                                 VLAN ID

                                               }
                                api_[1-9]      Network configs Response {
                                +_v4*              subnet*       string
                                                                 Subnet CIDR

                                                   gateway       string
                                                                 Gateway IP

                                                   vlan_id       integer
                                                                 VLAN ID

                                               }
                                management_    Network configs Response {
                                [1-9]+_v6          subnet*       string
                                                                 Subnet CIDR

                                                   gateway       string
                                                                 Gateway IP

                                                   vlan_id       integer
                                                                 VLAN ID

                                               }
                                management_    Network configs Response {
                                [1-9]+_v4*         subnet*       string
                                                                 Subnet CIDR

                                                   gateway       string
                                                                 Gateway IP

                                                   vlan_id       integer
                                                                 VLAN ID

                                               }
                            }
}
```

```
Site Info Response    {
    info*           string
                    minLength: 1
                    maxLength: 50
                    Site info

    status*         string
}


Metadata    {
    ssh_key*        string
    password_hash*  string
                    Password Hash

}


Node    {
    name*                 string
                          minLength: 1
                          maxLength: 32
                          Node name

    oob_ip*               string
                          OOB/CIMC IP

    oob_username*         string
                          OOB/CIMC username

    domain_name_servers       [string]
    oob_password*         string
                          OOB/CIMC password

    flavor*               string
                          Flavor name

    boot_network          string
                          Boot Network interface

    ip_address*           Node Interface    {
                              api_[1-9]+_v6 string
                                            API IPv6 CIDR

                              api_[1-9]     string
                              +_v4*         API IPv4 CIDR

                              management_   string
                              [1-9]+_v6     Management IPv6 CIDR

                              management_   string
                              [1-9]+_v4*    Management IPv4 CIDR

                          }
    password_hash         string
                          Password Hash

}


Cluster Info Response    {
    info*           string
                    minLength: 1
                    maxLength: 50
                    Cluster info

    status*         string
}


Baremetal Common Info Payload    {
    ntp_servers               [string]
                          description: NTP IP(s)
    oob_username*         string
                          OOB/CIMC username

    domain_name_servers*      [string]
                          description: DNS IP(s)
    ssh_key*              string
    domain_name*          string
                          Domain Name

    oob_password*         string
                          OOB/CIMC password

    flavor*               string
                          Flavor name

    password_hash*        string
                          Password Hash

}


Network configs Response    {
    subnet*         string
                    Subnet CIDR

    gateway         string
                    Gateway IP

    vlan_id         integer
                    VLAN ID

}


Clusters Response     {
    <cluster_name>* Cluster Config Response     {
                        info*           string
                                        minLength: 1
                                        maxLength: 50
                                        Cluster info

                        status*         string
                        servers*        Nodes Response     {
                                            <node_name>*  Node Response     {
                                                              status*             string
                                                              oob_ip*             string
                                                                                  OOB/CIMC IP

                                                              oob_username*       string
                                                                                  OOB/CIMC username

                                                              domain_name_servers
                                                                                      [string]
                                                              oob_password*       string
                                                                                  OOB/CIMC password

                                                              flavor*             string
                                                                                  Flavor name

                                                              boot_network        string
                                                                                  Boot Network interface

                                                              ip_address*         Node Interface Response     {
                                                                                      api_[1-9]+_v6 string
                                                                                                    API IPv6 CIDR

                                                                                      api_[1-9]     string
                                                                                      +_v4*         API IPv4 CIDR

                                                                                      management_   string
                                                                                      [1-9]+_v6     Management IPv6 CIDR

                                                                                      management_   string
                                                                                      [1-9]+_v4*    Management IPv4 CIDR

                                                                                  }
                                                              password_hash       string
                                                                                  Password Hash

                                                          }
                                        }
                    }
}


Task Response     {
    status*         string
    updated_at*     string($date-time)
    server*         string
    command*        string
    error*          string
    started_at*     string($date-time)
    stage*          string
}


Job Action Response     {
    status*         string
    resource_name*  string
    job_uuid*       string
}


Job Info Response     {
    status*         string
    stage*          string
    description*    string
    updated_at*     string($date-time)
}


ISO Create Response     {
    flavor*         string
}
```

```
Flavor List Response    {
   flavors*              [string]
}


ISO Validation    {
   file_name*    string
                 ISO File Name

}


Baremetal Node Payload    {
   name*                 string
                         minLength: 1
                         maxLength: 32
                         Node name

   oob_ip*               string
                         OOB/CIMC IP

   oob_username          string
                         OOB/CIMC username

   domain_name_servers
                            [string]
   oob_password          string
                         OOB/CIMC password

   flavor                string
                         Flavor name

   boot_network          string
                         Boot Network interface

   ip_address*           Baremetal Node Interface Payload    {
                            api_[1-9]      integer
                            +_vlan_id      API VLAN ID

                            api_[1-9]      string
                            +_gateway_v4*  API IPv4 Gateway

                            api_[1-9]+_v6  string
                                           API IPv6 CIDR

                            api_[1-9]      string
                            +_v4*          API IPv4 CIDR

                            api_[1-9]      string
                            +_gateway_v6   API IPv6 Gateway

                            management_    string
                            [1-9]+_v6      Management IPv6

                            management_    string
                            [1-9]          Management IPv4 Gateway
                            +_gateway_v4
                            management_    string
                            [1-9]+_v4*     Management IPv4

                            management_    string
                            [1-9]          Management IPv6 Gateway
                            +_gateway_v6
                         }
   password_hash         string
                         Password Hash

}


Flavor Show Response    {
   name*               string
   workflow*           string
   boot*               Boot Response    {
                          mode*          string
                       }
   os_policies*            [string]
   disk_policies*          [string]
   network_policies*       [string]
}


Network Interface    {
   subnet*       string
                 Subnet CIDR

   gateway       string
                 Gateway IP

   vlan_id       integer
                 VLAN ID

}
```

```
Metadata Response    {
    ssh_key*        string
    password_hash*  string
                    Password Hash

}


Baremetal Node Interface Payload    {
    api_[1-9]       integer
    +_vlan_id       API VLAN ID

    api_[1-9]       string
    +_gateway_v4*   API IPv4 Gateway

    api_[1-9]+_v6   string
                    API IPv6 CIDR

    api_[1-9]       string
    +_v4*           API IPv4 CIDR

    api_[1-9]       string
    +_gateway_v6    API IPv6 Gateway

    management_     string
    [1-9]+_v6       Management IPv6

    management_     string
    [1-9]           Management IPv4 Gateway
    +_gateway_v4
    management_     string
    [1-9]+_v4*      Management IPv4

    management_     string
    [1-9]           Management IPv6 Gateway
    +_gateway_v6
}


Nodes Response    {
    <node_name>*    Node Response    {
                        status*             string
                        oob_ip*             string
                                            OOB/CIMC IP

                        oob_username*       string
                                            OOB/CIMC username

                        domain_name_servers
                                                [string]
                        oob_password*       string
                                            OOB/CIMC password

                        flavor*             string
                                            Flavor name

                        boot_network        string
                                            Boot Network interface

                        ip_address*         Node Interface Response    {
                                                api_[1-9]+_v6   string
                                                                API IPv6 CIDR

                                                api_[1-9]       string
                                                +_v4*           API IPv4 CIDR

                                                management_     string
                                                [1-9]+_v6       Management IPv6 CIDR

                                                management_     string
                                                [1-9]+_v4*      Management IPv4 CIDR

                                            }
                        password_hash       string
                                            Password Hash

                    }
}


ISO Show Response    {
    file_name*      string
    flavor*         string
}


Networks Response    {
    api_[1-9]+_v6   Network configs Response    {
                        subnet*         string
                                        Subnet CIDR

                        gateway         string
                                        Gateway IP

                        vlan_id         integer
                                        VLAN ID

                    }
    api_[1-9]
    +_v4*        Network configs Response    {
                    subnet*       string
                                  Subnet CIDR

                    gateway       string
                                  Gateway IP

                    vlan_id       integer
                                  VLAN ID

                 }
    management_  Network configs Response    {
    [1-9]+_v6
                    subnet*       string
                                  Subnet CIDR

                    gateway       string
                                  Gateway IP

                    vlan_id       integer
                                  VLAN ID

                 }
    management_  Network configs Response    {
    [1-9]+_v4*
                    subnet*       string
                                  Subnet CIDR

                    gateway       string
                                  Gateway IP

                    vlan_id       integer
                                  VLAN ID

                 }
}


Job Show Response    {
    tasks*            [Task Response    {
                    status*       string
                    updated_at*   string($date-time)
                    server*       string
                    command*      string
                    error*        string
                    started_at*   string($date-time)
                    stage*        string
                   }]
    description* string
    created_at*  string($date-time)
    updated_at*  string($date-time)
    aborted_at*  string($date-time)
    version*     string
    command*     string
    log*         string
    error*       string
    started_at*  string($date-time)
    stage*       string
}


Cluster List Response    {
    <cluster_name>* Cluster Info Response    {
                      info*          string
                                     minLength: 1
                                     maxLength: 50
                                     Cluster info

                      status*        string
                   }
}


Node List Response    {
    <node_name>* Node Info Response    {
                    status*       string
                 }
}


Node Interface    {
    api_[1-9]+_v6 string
                 API IPv6 CIDR

    api_[1-9]    string
    +_v4*        API IPv4 CIDR

    management_  string
    [1-9]+_v6    Management IPv6 CIDR

    management_  string
    [1-9]+_v4*   Management IPv4 CIDR

}
```

```
Baremetal Cluster Payload    {
   info*           string
                   minLength: 1
                   maxLength: 50
                   Cluster info

   name*           string
                   minLength: 1
                   maxLength: 32
                   Cluster name

   servers*            [Baremetal Node Payload    {
                       name*               string
                                           minLength: 1
                                           maxLength: 32
                                           Node name

                       oob_ip*             string
                                           OOB/CIMC IP

                       oob_username        string
                                           OOB/CIMC username

                       domain_name_servers     [string]
                       oob_password        string
                                           OOB/CIMC password

                       flavor              string
                                           Flavor name

                       boot_network        string
                                           Boot Network interface

                       ip_address*         Baremetal Node Interface Payload    {
                                              api_[1-9]     integer
                                              +_vlan_id     API VLAN ID

                                              api_[1-9]     string
                                              +_gateway_v4* API IPv4 Gateway

                                              api_[1-9]+_v6 string
                                                            API IPv6 CIDR

                                              api_[1-9]     string
                                              +_v4*         API IPv4 CIDR

                                              api_[1-9]     string
                                              +_gateway_v6  API IPv6 Gateway

                                              management_   string
                                              [1-9]+_v6     Management IPv6

                                              management_   string
                                              [1-9]         Management IPv4 Gateway
                                              +_gateway_v4
                                              management_   string
                                              [1-9]+_v4*    Management IPv4

                                              management_   string
                                              [1-9]         Management IPv6 Gateway
                                              +_gateway_v6
                                            }
                       password_hash       string
                                           Password Hash

                     }]
}


Site    {
   info*           string
                   minLength: 1
                   maxLength: 50
                   Site info

   clusters*           [Cluster    {
                       info*           string
                                       minLength: 1
                                       maxLength: 50
                                       Cluster info

                       name*           string
                                       minLength: 1
                                       maxLength: 32
                                       Cluster name

                       servers*            [Node    {
                                           name*               string
                                                               minLength: 1
                                                               maxLength: 32
                                                               Node name

                                           oob_ip*             string
                                                               OOB/CIMC IP

                                           oob_username*       string
                                                               OOB/CIMC username

                                           domain_name_servers     [string]
                                           oob_password*       string
```

```
                                                         OOB/CIMC password
                                      flavor*            string
                                                         Flavor name

                                      boot_network       string
                                                         Boot Network interface

                                      ip_address*        Node Interface    {
                                                            api_[1-9]+_v6 string
                                                                          API IPv6 CIDR

                                                            api_[1-9]     string
                                                            +_v4*         API IPv4 CIDR

                                                            management_   string
                                                            [1-9]+_v6     Management IPv6 CIDR

                                                            management_   string
                                                            [1-9]+_v4*    Management IPv4 CIDR

                                                          }
                                      password_hash      string
                                                         Password Hash

                                    }]
                   }]
   networking*   Networking    {
                    ntp_servers*
                                            [string]
                                         description: NTP IP
                    domain_name_servers*
                                            [string]
                                         description: DNS IP
                    domain_name*         string
                                         Domain Name

                    networks*            Networks    {
                                            api_[1-9]+_v6 Network Interface    {
                                                             subnet*        string
                                                                            Subnet CIDR

                                                             gateway        string
                                                                            Gateway IP

                                                             vlan_id        integer
                                                                            VLAN ID

                                                          }
                                            api_[1-9]     Network Interface    {
                                            +_v4*            subnet*        string
                                                                            Subnet CIDR

                                                             gateway        string
                                                                            Gateway IP

                                                             vlan_id        integer
                                                                            VLAN ID

                                                          }
                                            management_   Network Interface    {
                                            [1-9]+_v6        subnet*        string
                                                                            Subnet CIDR

                                                             gateway        string
                                                                            Gateway IP

                                                             vlan_id        integer
                                                                            VLAN ID

                                                          }
                                            management_   Network Interface    {
                                            [1-9]+_v4*       subnet*        string
                                                                            Subnet CIDR

                                                             gateway        string
                                                                            Gateway IP

                                                             vlan_id        integer
                                                                            VLAN ID

                                                          }
                                         }
                 }
   name*         string
                 minLength: 1
                 maxLength: 32
                 Site name

   metadata*     Metadata    {
                    ssh_key*       string
                    password_hash* string
                                   Password Hash

                 }
}


Site List Response    {
   <site_name>*  Site Info Response    {
```

```
                    info*          string
                                   minLength: 1
                                   maxLength: 50
                                   Site info

                    status*        string
                 }
}


Cluster    {
   info*           string
                   minLength: 1
                   maxLength: 50
                   Cluster info

   name*           string
                   minLength: 1
                   maxLength: 32
                   Cluster name

   servers*            [Node    {
                    name*                 string
                                          minLength: 1
                                          maxLength: 32
                                          Node name

                    oob_ip*               string
                                          OOB/CIMC IP

                    oob_username*         string
                                          OOB/CIMC username

                    domain_name_servers
                                              [string]
                    oob_password*         string
                                          OOB/CIMC password

                    flavor*               string
                                          Flavor name

                    boot_network          string
                                          Boot Network interface

                    ip_address*           Node Interface    {
                                              api_[1-9]+_v6 string
                                                            API IPv6 CIDR

                                              api_[1-9]     string
                                              +_v4*         API IPv4 CIDR

                                              management_   string
                                              [1-9]+_v6     Management IPv6 CIDR

                                              management_   string
                                              [1-9]+_v4*    Management IPv4 CIDR

                                            }
                    password_hash         string
                                          Password Hash

                  }]
}


Site Response    {
   info*           string
                   minLength: 1
                   maxLength: 50
                   Site info

   status*         string
   networking*     Networking Response    {
                      ntp_servers*
                                               [string]
                                           description: NTP IP
                      domain_name_servers*
                                               [string]
                                           description: DNS IP
                      domain_name*         string
                                           Domain Name

                      networks*            Networks Response    {
                                               api_[1-9]+_v6 Network configs Response    {
                                                                 subnet*        string
                                                                                Subnet CIDR

                                                                 gateway        string
                                                                                Gateway IP

                                                                 vlan_id        integer
                                                                                VLAN ID

                                                             }
                                               api_[1-9]     Network configs Response    {
                                               +_v4*             subnet*        string
                                                                                Subnet CIDR

                                                                 gateway        string
                                                                                Gateway IP
                                                             vlan_id       integer
                                                                           VLAN ID

                                                          }
                                            management_   Network configs Response    {
                                            [1-9]+_v6
                                                             subnet*       string
                                                                           Subnet CIDR

                                                             gateway       string
                                                                           Gateway IP

                                                             vlan_id       integer
                                                                           VLAN ID

                                                          }
                                            management_   Network configs Response    {
                                            [1-9]+_v4*
                                                             subnet*       string
                                                                           Subnet CIDR

                                                             gateway       string
                                                                           Gateway IP

                                                             vlan_id       integer
                                                                           VLAN ID

                                                          }
                                         }
                 }
   name*         string
                 minLength: 1
                 maxLength: 32
                 Site name

   clusters*     Clusters Response    {
                     <cluster_name>*Cluster Config Response    {
                                       info*         string
                                                     minLength: 1
                                                     maxLength: 50
                                                     Cluster info

                                       status*       string
                                       servers*      Nodes Response    {
                                                         <node_name>*Node Response    {
                                                                        status*            string
                                                                        oob_ip*            string
                                                                                           OOB/CIMC IP

                                                                        oob_username*      string
                                                                                           OOB/CIMC username

                                                                        domain_name_servers
                                                                                               [string]
                                                                        oob_password*      string
                                                                                           OOB/CIMC password

                                                                        flavor*            string
                                                                                           Flavor name

                                                                        boot_network       string
                                                                                           Boot Network interface

                                                                        ip_address*        Node Interface Response    {
                                                                                               api_[1-9]+_v6 string
                                                                                                             API IPv6 CIDR

                                                                                               api_[1-9]     string
                                                                                               +_v4*         API IPv4 CIDR

                                                                                               management_   string
                                                                                               [1-9]+_v6     Management IPv6
                                                                                                             CIDR

                                                                                               management_   string
                                                                                               [1-9]+_v4*    Management IPv4
                                                                                                             CIDR

                                                                                           }
                                                                        password_hash      string
                                                                                           Password Hash

                                                                      }
                                                     }
                                    }
                 }
   metadata*     Metadata Response    {
                     ssh_key*       string
                     password_hash* string
                                    Password Hash

                 }
}


Running Jobs Response    {
   <job_uuid>*   Job Show Response    {
                     tasks*             [Task Response    {
                                      status*       string
                                      updated_at*   string($date-time)
                                      server*       string
                                      command*      string
                                      error*        string
                                      started_at*   string($date-time)
                                      stage*        string
                                    }]
                     description*  string
                     created_at*   string($date-time)
                     updated_at*   string($date-time)
                     aborted_at*   string($date-time)
                     version*      string
                     command*      string
                     log*          string
                     error*        string
                     started_at*   string($date-time)
                     stage*        string
                 }
}


Baremetal Site Payload    {
    info*          string
                   minLength: 1
                   maxLength: 50
                   Site info

    clusters*           [Baremetal Cluster Payload    {
                     info*         string
                                   minLength: 1
                                   maxLength: 50
                                   Cluster info

                     name*         string
                                   minLength: 1
                                   maxLength: 32
                                   Cluster name

                     servers*            [Baremetal Node Payload    {
                                      name*               string
                                                          minLength: 1
                                                          maxLength: 32
                                                          Node name

                                      oob_ip*             string
                                                          OOB/CIMC IP

                                      oob_username        string
                                                          OOB/CIMC username

                                      domain_name_servers
                                                              [string]
                                      oob_password        string
                                                          OOB/CIMC password

                                      flavor              string
                                                          Flavor name

                                      boot_network        string
                                                          Boot Network interface

                                      ip_address*         Baremetal Node Interface Payload    {
                                                              api_[1-9]      integer
                                                              +_vlan_id      API VLAN ID

                                                              api_[1-9]      string
                                                              +_gateway_v4*  API IPv4 Gateway

                                                              api_[1-9]+_v6  string
                                                                             API IPv6 CIDR

                                                              api_[1-9]      string
                                                              +_v4*          API IPv4 CIDR

                                                              api_[1-9]      string
                                                              +_gateway_v6   API IPv6 Gateway

                                                              management_    string
                                                              [1-9]+_v6      Management IPv6

                                                              management_    string
                                                              [1-9]          Management IPv4 Gateway
                                                              +_gateway_v4
                                                              management_    string
                                                              [1-9]+_v4*     Management IPv4

                                                              management_    string
                                                              [1-9]          Management IPv6 Gateway
                                                              +_gateway_v6
                                                            }
                                      password_hash       string
                                                          Password Hash

                                    }]
                   }]
    name*          string
                   minLength: 1
                   maxLength: 32
                   Site name

    common_info*   Baremetal Common Info Payload    {
                     ntp_servers                [string]
                                            description: NTP IP(s)
```

```
                    oob_username*          string
                                           OOB/CIMC username

                    domain_name_servers*      [string]
                                           description: DNS IP(s)
                    ssh_key*               string
                    domain_name*           string
                                           Domain Name

                    oob_password*          string
                                           OOB/CIMC password

                    flavor*                string
                                           Flavor name

                    password_hash*         string
                                           Password Hash

                 }
}


Networks     {
   api_[1-9]+_v6 Network Interface     {
                    subnet*       string
                                  Subnet CIDR

                    gateway       string
                                  Gateway IP

                    vlan_id       integer
                                  VLAN ID

                 }
   api_[1-9]
   +_v4*         Network Interface     {
                    subnet*       string
                                  Subnet CIDR

                    gateway       string
                                  Gateway IP

                    vlan_id       integer
                                  VLAN ID

                 }
   management_
   [1-9]+_v6     Network Interface     {
                    subnet*       string
                                  Subnet CIDR

                    gateway       string
                                  Gateway IP

                    vlan_id       integer
                                  VLAN ID

                 }
   management_
   [1-9]+_v4*    Network Interface     {
                    subnet*       string
                                  Subnet CIDR

                    gateway       string
                                  Gateway IP

                    vlan_id       integer
                                  VLAN ID

                 }
}
```