

Send document comments to vsg-docfeedback@cisco.com.



CHAPTER **3**

Cisco Virtual Security Gateway Show Commands

This chapter provides information about Cisco Virtual Security Gateway (VSG) **show** commands.

Send document comments to vsg-docfeedback@cisco.com.

show aaa

To display information about authentication, authorization, and accounting (AAA), use the **show aaa** command.

show aaa [**accounting** | **authentication** | **authorization** | **groups** | **users**]

Syntax Description	
accounting	(Optional) Displays the accounting configuration.
authentication	(Optional) Displays the authentication configuration.
authorization	(Optional) Displays the authorization configuration.
groups	(Optional) Displays configured groups.
users	(Optional) Displays remotely authenticated users.

Defaults None

Command Modes EXEC
Global configuration (config)

SupportedUserRoles network-admin
network-operator

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show aaa** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

Examples This example shows how to display the AAA configuration:

```
vsg# show aaa authentication
      default: local
      console: local
vsg#
```

Related Commands

Send document comments to vsg-docfeedback@cisco.com.

Command	Description
password	Configures the password.

Send document comments to vsg-docfeedback@cisco.com.

show ac-driver

To display application container statistics, use the **show ac-driver** command.

show ac-driver statistics

Syntax Description	statistics	Displays application container statistics.
--------------------	------------	--

Defaults	None
----------	------

Command Modes	EXEC Global configuration (config)
---------------	---------------------------------------

SupportedUserRoles	network-admin network-operator
--------------------	-----------------------------------

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines	You can use the following operators with the show ac-driver command: <ul style="list-style-type: none"> • >—Redirects the output to a file. • >>—Redirects the output to a file in append mode. • —Pipes the command output to a filter.
------------------	--

Examples	<p>This example shows how to display application container statistics:</p> <pre>vsg# show ac-driver statistics #Packet Statistics: Rcvd Total 614249 Buffers in Use 3174 Rcvd VPath Pkts 20018 Sent to VPath 20018 Sent to Service-Path 20018 Sent to Control-Path 594231 All Drops 0 Invalid LLC 91 Invalid OUI 0 Invalid VNS Hdr 0 Invalid VNS PDU 0 Service-Path not Initd 0 Service-Path Down 0 Rcvd Bad Descriptor 0 Send to Service-Path Err 0 Packet Offset Err 0 Send Bad Descriptor 0 Send NIC Err 0 vsg#</pre>
----------	---

Related Commands	
------------------	--

Send document comments to vsg-docfeedback@cisco.com.

Command	Description
show vsg	Displays information about a Cisco VSG.

Send document comments to vsg-docfeedback@cisco.com.

show accounting

To display the accounting log, use the **show accounting** command.

show accounting log [**start-time** *year month day time* **end-time** *year month day time*]

Syntax Description	log	Accounting log.
	start-time	(Optional) Specifies the date in the log the display will start.
	<i>year month day time</i>	(Optional) Year, day and time. The range for <i>year</i> is from 1970 to 2030, and is in YYYY format. The values for <i>month</i> are Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, and Dec . The range for <i>day</i> is from 1 to 31, and is in dd format. <i>time</i> is in HH:MM:SS.
	end-time	(Optional) Specifies the date in the log the display will end.

Defaults None

Command Modes EXEC
Global configuration (config)

SupportedUserRoles network-admin
network-operator

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show accounting** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

When you execute a show command that displays a long list of data, you can press **Ctrl+c** at any time to exit that list.

Examples This example shows how to display the accounting log:

```
vsg# show accounting log
Fri Jan 21 17:19:35 2011:update:171.69.17.61@pts/0:admin:dir (SUCCESS)
Fri Jan 21 17:23:36 2011:update:10.193.73.130@ssh.3115:vsnbetauser:test vnspl
1 (SUCCESS)
Fri Jan 21 17:24:04 2011:update:10.193.73.130@ssh.3120:vsnbetauser:test vnspl
1 (SUCCESS)
```

Send document comments to vsg-docfeedback@cisco.com.

```

Mon Jan 24 12:50:23 2011:start:171.70.216.167@pts/1:admin:
Mon Jan 24 12:52:59 2011:update:171.70.216.167@pts/1:admin:configure (SUCCESS)
Mon Jan 24 12:55:46 2011:stop:171.70.216.167@pts/1:admin:shell terminated gracefully
Wed Feb 2 13:56:54 2011:start:171.70.225.85@pts/2:admin:
Wed Feb 2 14:20:41 2011:stop:171.70.225.85@pts/2:admin:shell terminated because of telnet closed
Wed Feb 2 14:32:19 2011:start:171.70.225.85@pts/3:admin:
Wed Feb 2 14:39:48 2011:stop:171.70.225.85@pts/3:admin:shell terminated because of telnet closed
Fri Feb 4 12:16:43 2011:start:171.71.29.84@pts/4:admin:
Fri Feb 4 12:17:11 2011:update:171.71.29.84@pts/4:admin:configure (SUCCESS)
Fri Feb 4 12:18:22 2011:update:171.71.29.84@pts/4:admin:configure terminal ; vnm-policy-agent (SUCCESS)
Fri Feb 4 12:20:41 2011:stop:171.71.29.84@pts/4:admin:shell terminated because of telnet closed
Fri Feb 4 14:22:18 2011:start:171.71.29.84@pts/5:admin:
Fri Feb 4 14:23:05 2011:update:171.71.29.84@pts/5:admin:configure (SUCCESS)
Fri Feb 4 15:33:06 2011:stop:171.71.29.84@pts/5:admin:shell terminated because of telnet closed
Fri Feb 4 17:05:05 2011:start:171.71.29.84@pts/6:admin:
Fri Feb 4 18:25:32 2011:stop:171.71.29.84@pts/6:admin:shell terminated because of telnet closed
Mon Feb 7 14:12:19 2011:start:171.71.29.84@pts/7:admin:
Mon Feb 7 15:51:10 2011:stop:171.71.29.84@pts/7:admin:shell terminated because of telnet closed
Mon Feb 7 16:30:10 2011:start:171.71.29.84@pts/8:admin:
Mon Feb 7 19:11:13 2011:stop:171.71.29.84@pts/8:admin:shell terminated because of telnet closed
Wed Feb 9 14:43:26 2011:start:10.21.84.66@pts/9:admin:
Wed Feb 9 17:43:30 2011:stop:10.21.84.66@pts/9:admin:shell terminated because of telnet closed
Wed Feb 9 18:13:10 2011:start:10.21.84.66@pts/10:admin:
Wed Feb 9 18:40:00 2011:update:10.21.84.66@pts/10:admin:configure (SUCCESS)
Wed Feb 9 19:50:37 2011:start:10.21.84.66@pts/11:admin:
Wed Feb 9 20:49:00 2011:stop:10.21.84.66@pts/10:admin:shell terminated because of telnet closed
Wed Feb 9 22:03:36 2011:stop:10.21.84.66@pts/11:admin:shell terminated because of telnet closed
Thu Feb 10 18:41:45 2011:start:171.71.29.84@pts/12:admin:
Thu Feb 10 18:50:50 2011:stop:171.71.29.84@pts/12:admin:shell terminated because of telnet closed
Fri Feb 11 12:09:57 2011:start:171.71.29.84@pts/13:admin:
Fri Feb 11 16:55:21 2011:stop:171.71.29.84@pts/13:admin:shell terminated because of telnet closed
Fri Feb 11 18:19:49 2011:start:171.71.29.84@pts/14:admin:
Fri Feb 11 18:55:54 2011:stop:171.71.29.84@pts/14:admin:shell terminated because of telnet closed
Mon Feb 14 13:35:27 2011:start:171.71.29.84@pts/15:admin:
vsg#

```

Related Commands

Command	Description
show logging	Displays the logging configuration and the contents of the log file.

Send document comments to vsg-docfeedback@cisco.com.

show banner

To display the banner, use the **show banner** command.

show banner motd

Syntax Description	motd	Specifies the message of the day.
--------------------	------	-----------------------------------

Defaults	None
----------	------

Command Modes	EXEC Global configuration (config)
---------------	---------------------------------------

SupportedUserRoles	network-admin network-operator
--------------------	-----------------------------------

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines	You can use the following operators with the show banner command: <ul style="list-style-type: none"> • >—Redirects the output to a file. • >>—Redirects the output to a file in append mode. • —Pipes the command output to a filter.
------------------	---

Examples	This example shows how to display the banner: <pre>vsg# show banner motd Nexus 1000V VSG vsg#</pre>
----------	---

Related Commands	Command	Description
	banner	Creates a banner message.

Send document comments to vsg-docfeedback@cisco.com.

show boot

To display boot variables, use the **show boot** command.

```
show boot [auto-copy | module | sup-1 | sup-2 | variables]
```

Syntax Description		
auto-copy	(Optional)	Displays whether auto copy is enabled or disabled.
module	(Optional)	Displays the boot variables for a specific module or all modules.
sup-1	(Optional)	Displays the current and next load boot variables for supervisor 1.
sup-2	(Optional)	Displays the current and next load boot variables for supervisor 2.
variables	(Optional)	Displays a list of boot variables.

Defaults None

Command Modes EXEC
Global configuration (config)

SupportedUserRoles network-admin
network-operator

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show boot** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

Examples This example shows how to display boot variables:

```
vsg# show boot
Current Boot Variables:

sup-1
kickstart variable = bootflash:/ks.bin
system variable = bootflash:/sys.bin
sup-2
kickstart variable = bootflash:/ks.bin
system variable = bootflash:/sys.bin
No module boot variable set
```

Send document comments to vsg-docfeedback@cisco.com.

Boot Variables on next reload:

```

sup-1
kickstart variable = bootflash:/ks.bin
system variable = bootflash:/sys.bin
sup-2
kickstart variable = bootflash:/ks.bin
system variable = bootflash:/sys.bin
No module boot variable set
vsg#

```

Related Commands

Command	Description
boot	Creates boot variables.

Send document comments to vsg-docfeedback@cisco.com.

show cdp

To display Cisco Discovery Protocol (CDP) information, use the **show cdp** command.

```
show cdp {all | entry | global | interface | internal | neighbors | traffic}
```

Syntax Description

all	Displays all interfaces in the CDP database.
entry	Displays CDP entries in the CDP database.
global	Displays global CDP information.
interface	Displays CDP information for an interface.
internal	Displays private memory statistics for the UUID.
neighbors	Displays CDP neighbors.
traffic	Displays CDP traffic statistics.

Defaults

None

Command Modes

EXEC
Global configuration (config)

Supported User Roles

network-admin
network-operator

Command History

Release	Modification
4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines

You can use the following operators with the **show cdp** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

When you execute a show command that displays a long list of data, you can press **Ctrl+c** at any time to exit that list.

Examples

This example shows how to display all interfaces in the CDP database:

```
vsg# show cdp all
Interface Index :83886080
Interface mgmt0:
  Operational status: up
  Config status: enabled
```

■ show cdp

Send document comments to vsg-docfeedback@cisco.com.

```

Refresh time: 60
Hold time: 180

Interface Index :117440512
Interface data0:
  Operational status: up
  Config status: enabled
  Refresh time: 60
  Hold time: 180
vsg#

```

Related Commands

Command	Description
cdp	Configures CDP parameters.

Send document comments to vsg-docfeedback@cisco.com.

show cli

To display command line interface (CLI) information, use the **show cli** command.

```
show cli {alias | dynamic | history | interface | internal | list | syntax | variables}
```

Syntax Description	alias	Displays the CLI alias.
	dynamic	Display the current range of dynamic parameters.
	history	Displays the CLI command history.
	interface	Displays the CLI interface table.
	internal	Displays the CLI statistics.
	list	Displays the CLI command syntax.
	syntax	Displays the Extended Backus–Naur Form (EBNF) syntax of all commands.
	variables	Displays the CLI variables.

Defaults None

Command Modes EXEC
Global configuration (config)

SupportedUserRoles network-admin
network-operator

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show cli** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

When you enter a **show** command that displays a long list of data, you can press **Ctrl+c** at any time to exit that list.

Examples This example shows how to display CLI variables:

```
vsg# show cli variables
VSH Variable List
-----
```

■ show cli

Send document comments to vsg-docfeedback@cisco.com.

```
SWITCHNAME="vsg"  
TIMESTAMP="2011-02-14-17.33.37"  
vsg#
```

Related Commands	Command	Description
	cli var	Defines CLI variables.

Send document comments to vsg-docfeedback@cisco.com.

show clock

To display the clock, use the **show clock** command.

show clock [detail]

Syntax Description	detail	(Optional) Displays the day, the time, and the year.
--------------------	--------	--

Defaults	None
----------	------

Command Modes	EXEC Global configuration (config)
---------------	---------------------------------------

Supported User Roles	network-admin network-operator
----------------------	-----------------------------------

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines	You can use the following operators with the show clock command: <ul style="list-style-type: none"> • >—Redirects the output to a file. • >>—Redirects the output to a file in append mode. • —Pipes the command output to a filter.
------------------	--

Examples	This example shows how to display the clock:
----------	--

```
vsg# show clock detail
Mon Feb 14 17:47:44 UTC 2011
vsg#
```

Related Commands	Command	Description
	clock	Manages the system clock.

Send document comments to vsg-docfeedback@cisco.com.

show copyright

To display copyright information, use the **show copyright** command.

show copyright

Syntax Description This command has no arguments or keywords.

Defaults None

Command Modes EXEC
Global configuration (config)

SupportedUserRoles network-admin
network-operator

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show copyright** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

Examples This example shows how to display copyright information:

```
vsg# show copyright
Cisco Nexus Operating System (NX-OS) Software
TAC support: http://www.cisco.com/tac
Copyright (c) 2002-2011, Cisco Systems, Inc. All rights reserved.
The copyrights to certain works contained in this software are
owned by other third parties and used and distributed under
license. Certain components of this software are licensed under
the GNU General Public License (GPL) version 2.0 or the GNU
Lesser General Public License (LGPL) Version 2.1. A copy of each
such license is available at
http://www.opensource.org/licenses/gpl-2.0.php and
http://www.opensource.org/licenses/lgpl-2.1.php
vsg#
```

Related Commands

Send document comments to vsg-docfeedback@cisco.com.

Command	Description
show version	Displays build information.
build-info	

Send document comments to vsg-docfeedback@cisco.com.

show cores

To display all core dumps, use the **show cores** command.

show cores

Syntax Description This command has no arguments or keywords.

Defaults None

Command Modes EXEC
Global configuration (config)

SupportedUserRoles network-admin
network-operator

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show cores** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

When you execute a show command that displays a long list of data, you can press **Ctrl+c** at any time to exit that list.

Examples This example shows how to display all core dumps:

```
vsg# show cores
```

Related Commands	Command	Description
	show event-log	Displays the event log.

Send document comments to vsg-docfeedback@cisco.com.

show debug

To show debug flags, use the **show debug** command.

```
show debug [aaa | arp | ascii-cfg | bootvar | capability | cdp | cert-enroll | clis | core | ethpm |
evmc | fm | fs-daemon | igmp | im | ip | ipconf | ipv6 | kadb | klm-rswem | logfile | module |
monitor | msp | mvsh | ntp | platform | plug in | port-channel | redundancy | res_mgr |
scheduler | security | snmp | system | tcap | ttyd | vdc | vlan | vnm | vnm-pa | vsh | vshd | xml]
```

Syntax Description

aaa	(Optional) Displays AAA debugging flags.
arp	(Optional) Displays ARP debugging flags.
ascii-cfg	(Optional) Displays ASCII-CFG debugging flags.
bootvar	(Optional) Displays boot variables debugging flags.
capability	(Optional) Displays capability debugging flags.
cdp	(Optional) Displays CDP debugging flags.
cert-enroll	(Optional) Displays certificate enrollment debugging flags.
clis	(Optional) Displays CLI debugging flags.
core	(Optional) Displays core daemon debugging flags.
ethpm	(Optional) Displays ETHPM debugging flags.
evmc	(Optional) Displays EVMC debugging flags.
fm	(Optional) Displays feature manager debugging flags.
fs-daemon	(Optional) Displays FS daemon debugging flags.
igmp	(Optional) Displays PIM debugging flags.
im	(Optional) Displays IM debugging flags.
ip	(Optional) Displays IP information.
ipconf	(Optional) Displays IPCONF debugging flags.
ipv6	(Optional) Displays IPv6 information.
kadb	(Optional) Displays Kernel ADB debugging flags.
klm-rwsem	(Optional) Displays RWSEM driver debugging flags.
logfile	(Optional) Displays the log file.
module	(Optional) Displays module debugging flags.
monitor	(Optional) Displays Ethernet Span debugging flags.
msp	(Optional) Displays MSP debugging flags.
mvsh	(Optional) Displays MVSH debugging flags.
ntp	(Optional) Displays NTP debugging flags.
platform	(Optional) Displays platform manager debugging flags.
plugin	(Optional) Displays plugin debugging flags.
port-channel	(Optional) Displays port-channel debugging flags.
redundancy	(Optional) Displays redundancy driver debugging flags.
res_mgr	(Optional) Displays resource manager debugging flags.
scheduler	(Optional) Displays scheduler debugging flags.
security	(Optional) Displays security debugging flags.

Send document comments to vsg-docfeedback@cisco.com.

snmp	(Optional) Displays SNMP server debugging flags.
system	(Optional) Displays system debugging flags.
tcap	(Optional) Displays exception logger debugging flags.
tttd	(Optional) Displays TTYD debugging flags.
vdc	(Optional) Displays VDC manager debugging flags.
vlan	(Optional) Displays VLAN manager debugging flags.
vmm	(Optional) Displays VMM debugging flags.
vnm-pa	(Optional) Displays VNM PA debugging flags.
vsh	(Optional) Displays VSH debugging flags.
vshd	(Optional) Displays VSHD debugging flags.
xml	(Optional) Displays XML debugging flags.

Defaults None

Command Modes EXEC
Global configuration (config)

SupportedUserRoles network-admin
network-operator

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show debug** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

When you execute a **show** command that displays a long list of data, you can press **Ctrl+c** at any time to exit that list.

Examples This example shows how to display AAA debug flags:

```
vsg# show debug aaa
```

Related Commands	Command	Description
	show debug-filter	Displays debugging filters.

Send document comments to vsg-docfeedback@cisco.com.

show debug-filter

To display debug filters, use the **show debug-filter** command.

```
show debug-filter {all | arp | igmp | ip | ipv6}
```

Syntax	Description
all	Displays all debugs filters.
arp	Displays Address Resolution Protocol (ARP) debug filters.
igmp	Displays Internet Group Management Protocol (IGMP) debug filters.
ip	Displays IP information.
ipv6	Displays IPv6 information.

Defaults None

Command Modes EXEC
Global configuration (config)

Supported User Roles network-admin
network-operator

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show debug-filter** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

When you execute a **show** command that displays a long list of data, you can press **Ctrl+c** at any time to exit that list.

Examples This example shows how to display debug filters:

```
vsg# show debug-filter all
```

Related Commands	Command	Description
	show debug	Displays debugging flags.

Send document comments to vsg-docfeedback@cisco.com.

show environment

To display information about the system environment, use the **show environment** command.

show environment [**clock** | **fan** | **power** | **temperature**]

Syntax Description	
clock	(Optional) Displays clock information.
fan	(Optional) Displays fan information.
power	(Optional) Displays power capacity and power distribution information.
temperature	(Optional) Displays temperature sensor information.

Defaults None

Command Modes EXEC
Global configuration (config)

SupportedUserRoles network-admin
network-operator

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show environment** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

Examples This example shows how to display information about the system fan:

```
vsg# show environment fan
Fan:
-----
Fan           Model           Hw           Status
-----
ChassisFan1   0.0             0.0         Ok
ChassisFan2   0.0             0.0         None
Fan Air Filter : NotSupported
vsg#
```

Send document comments to vsg-docfeedback@cisco.com.

Related Commands

Command	Description
show clock	Displays the system clock.

Send document comments to vsg-docfeedback@cisco.com.

show event manager internal

To display event manager events, use the **show event manager internal** command.

show event manager internal [evmc | mvsh | errors]

Syntax Description		
	evmc	(Optional) Displays event manager events.
	mvsh	(Optional) Displays memory allocation statistics.
	errors	(Optional) Displays the error log.

Defaults None

Command Modes EXEC
Global configuration (config)

SupportedUserRoles network-admin
network-operator

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show event manager** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

When you execute a **show** command that displays a long list of data, you can press **Ctrl+c** at any time to exit that list.

Examples This example shows how to display event manager errors:

```
vsg# show event manager internal errors
1) Event:E_DEBUG, length:253, at 232142 usecs after Wed Feb 16 15:20:07 2011
   [100] fu_sdb_handle_update: validation fail,                               fu_is_st
ate_active = 1,                               fu_is_sync_pss_to_standby_enabled = 0,
                                               mts_sync_event_get(mts_msg) = 0,
   create_del) = 0

2) Event:E_DEBUG, length:43, at 232138 usecs after Wed Feb 16 15:20:07 2011
   [100] fu_sdb_handle_update: validation fail
```


Send document comments to vsg-docfeedback@cisco.com.

- 3) Event:E_DEBUG, length:55, at 232136 usecs after Wed Feb 16 15:20:07 2011
[100] fu_sync_pss_to_standby_apply:Set of checks failed
- 4) Event:E_DEBUG, length:58, at 971337 usecs after Wed Feb 16 15:20:02 2011
[100] fu_sync_pss_to_standby_apply:Input event not MTS msg
- 5) Event:E_DEBUG, length:58, at 971525 usecs after Wed Feb 16 15:19:57 2011
[100] fu_sync_pss_to_standby_apply:Input event not MTS msg
- 6) Event:E_DEBUG, length:58, at 971719 usecs after Wed Feb 16 15:19:52 2011
[100] fu_sync_pss_to_standby_apply:Input event not MTS msg
- 7) Event:E_DEBUG, length:58, at 971918 usecs after Wed Feb 16 15:19:47 2011
[100] fu_sync_pss_to_standby_apply:Input event not MTS msg
- 8) Event:E_DEBUG, length:58, at 971103 usecs after Wed Feb 16 15:19:42 2011
[100] fu_sync_pss_to_standby_apply:Input event not MTS msg
- 9) Event:E_DEBUG, length:58, at 971307 usecs after Wed Feb 16 15:19:37 2011
[100] fu_sync_pss_to_standby_apply:Input event not MTS msg
- 10) Event:E_DEBUG, length:58, at 971524 usecs after Wed Feb 16 15:19:32 2011
[100] fu_sync_pss_to_standby_apply:Input event not MTS msg
- 11) Event:E_DEBUG, length:58, at 971693 usecs after Wed Feb 16 15:19:27 2011
[100] fu_sync_pss_to_standby_apply:Input event not MTS msg
- 12) Event:E_DEBUG, length:58, at 971886 usecs after Wed Feb 16 15:19:22 2011
[100] fu_sync_pss_to_standby_apply:Input event not MTS msg
- 13) Event:E_DEBUG, length:58, at 971094 usecs after Wed Feb 16 15:19:17 2011
[100] fu_sync_pss_to_standby_apply:Input event not MTS msg
- 14) Event:E_DEBUG, length:58, at 971275 usecs after Wed Feb 16 15:19:12 2011
[100] fu_sync_pss_to_standby_apply:Input event not MTS msg
- 15) Event:E_DEBUG, length:58, at 971494 usecs after Wed Feb 16 15:19:07 2011
[100] fu_sync_pss_to_standby_apply:Input event not MTS msg
- 16) Event:E_DEBUG, length:58, at 971702 usecs after Wed Feb 16 15:19:02 2011
[100] fu_sync_pss_to_standby_apply:Input event not MTS msg
- 17) Event:E_DEBUG, length:58, at 971921 usecs after Wed Feb 16 15:18:57 2011
[100] fu_sync_pss_to_standby_apply:Input event not MTS msg
- 18) Event:E_DEBUG, length:58, at 971218 usecs after Wed Feb 16 15:18:52 2011
[100] fu_sync_pss_to_standby_apply:Input event not MTS msg

■ show event manager internal

Send document comments to vsg-docfeedback@cisco.com.

```
19) Event:E_DEBUG, length:58, at 971289 usecs after Wed Feb 16 15:18:47 2011
    [100] fu_sync_pss_to_standby_apply:Input event not MTS msg
vsg#
```

Related Commands

Command	Description
show event-log	Displays the event log.

Send document comments to vsg-docfeedback@cisco.com.

show event-log

To display the event log, use the **show event-log** command.

show event-log all

Syntax Description	all	Displays the event log.
--------------------	-----	-------------------------

Defaults	None
----------	------

Command Modes	EXEC Global configuration (config)
---------------	---------------------------------------

Supported User Roles	network-admin network-operator
----------------------	-----------------------------------

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines	<p>You can use the following operators with the show event-log command:</p> <ul style="list-style-type: none"> • >—Redirects the output to a file. • >>—Redirects the output to a file in append mode. • —Pipes the command output to a filter. <p>When you execute a show command that displays a long list of data, you can press Ctrl+c at any time to exit that list.</p>
------------------	---

Examples	<p>This example shows how to display the event log:</p> <pre>vsg# show event-log all</pre>
----------	--

Related Commands	Command	Description
	show event manager	Displays the event manager.
	internal	

Send document comments to vsg-docfeedback@cisco.com.

show feature

To display system features, use the **show feature** command.

show feature

Syntax Description This command has no arguments or keywords.

Defaults None

Command Modes EXEC
Global configuration (config)

SupportedUserRoles network-admin
network-operator

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show feature** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

Examples This example shows how to display system features:

```
vsg# show feature
Feature Name      Instance  State
-----
dhcp-snooping    1         disabled
http-server      1         enabled
lACP              1         disabled
netflow          1         disabled
port-profile-roles 1         disabled
private-vlan     1         disabled
sshServer        1         enabled
tacacs           1         enabled
telnetServer     1         enabled
vsg#
```

Related Commands

Send document comments to vsg-docfeedback@cisco.com.

Command	Description
show http-server	Displays the status of the HTTP server.

Send document comments to vsg-docfeedback@cisco.com.

show file

To confirm a directory's existence, use the **show file** command.

```
show file { bootflash: | debug: | modflash: | volatile: }
```

Syntax	Description
bootflash:	Specifies the bootflash directory.
debug:	Specifies the debug directory.
modflash:	Specifies the modflash directory.
volatile:	Specifies the volatile directory.

Defaults None

Command Modes EXEC
Global configuration (config)

Supported User Roles network-admin
network-operator

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show file** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

Examples This example shows how to confirm the existence of the bootflash directory:

```
vsg# show file bootflash:
/bin/showfile: /bootflash/: Is a directory
vsg#
```

Related Commands	Command	Description
	pwd	Displays the current directory.

Send document comments to vsg-docfeedback@cisco.com.

show hardware

To display hardware statistics, use the **show hardware** command.

show hardware [**capacity** | **internal** | **stats**]

Syntax	Description
capacity	(Optional) Displays usage levels.
internal	(Optional) Displays internal hardware information.
stats	(Optional) Displays hardware statistics.

Defaults None

Command Modes EXEC
Global configuration (config)

Supported User Roles network-admin
network-operator

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show hardware** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

Examples This example shows how to display management 0 port statistics:

```
vsg# show hardware internal mgmt0 stats
eth1    Link encap:Ethernet HWaddr 00:50:56:BB:00:38
        inet addr:10.193.73.138 Bcast:10.193.79.255 Mask:255.255.248.0
        UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
        RX packets:1193889201 errors:0 dropped:0 overruns:0 frame:0
        TX packets:1298817 errors:0 dropped:0 overruns:0 carrier:0
        collisions:0 txqueuelen:1000
        RX bytes:162479674502 (151.3 GiB) TX bytes:192218320 (183.3 MiB)
vsg#
```

Related Commands

■ show hardware

Send document comments to vsg-docfeedback@cisco.com.

Command	Description
show interface	Displays interface status and information.

Send document comments to vsg-docfeedback@cisco.com.

show hostname

To display the hostname, use the **show hostname** command.

show hostname

Syntax Description This command has no arguments or keywords.

Defaults None

Command Modes EXEC
Global configuration (config)

SupportedUserRoles network-admin
network-operator

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show hostname** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

Examples This example shows how to display the hostname:

```
vsg# show hostname
VSG129-2
vsg#
```

Related Commands	Command	Description
	show hosts	Displays the hosts.

Send document comments to vsg-docfeedback@cisco.com.

show hosts

To display hosts, use the **show hosts** command.

show hosts

Syntax Description This command has no arguments or keywords.

Defaults None

Command Modes EXEC
Global configuration (config)

SupportedUserRoles network-admin
network-operator

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show hosts** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

Examples This example shows how to display hosts:

```
vsg# show hosts
DNS lookup enabled
Name/address lookup uses domain service
Name servers are 255.255.255.255
Host Address
tst1 209.165.200.227
tst2 209.165.200.229
vsg#
```

Related Commands	Command	Description
	show hostname	Displays the hostname.

Send document comments to vsg-docfeedback@cisco.com.

show http-server

To display the status of the HTTP server, use the **show http-server** command.

show http-server

Syntax Description This command has no arguments or keywords.

Defaults None

Command Modes EXEC
Global configuration (config)

SupportedUserRoles network-admin
network-operator

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show http-server** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

Examples This example shows to display the status of the HTTP server:

```
vsg# show http-server
http-server not enabled
vsg#
```

Related Commands	Command	Description
	show feature	Displays system features.

■ show incompatibility

Send document comments to vsg-docfeedback@cisco.com.

show incompatibility

To display incompatibilities with an image, use the **show incompatibility** command.

```
show incompatibility system { bootflash: | volatile: }
```

Syntax	Description
system	Displays directories.
bootflash:	Specifies the bootflash directory.
volatile:	Specifies the volatile directory.

Defaults None

Command Modes EXEC
Global configuration (config)

Supported User Roles network-admin
network-operator

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show incompatibility** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

Examples This example shows to display incompatibilities with an image:

```
vsg# show incompatibility system bootflash:
```

Related Commands	Command	Description
	show verison image	Displays the software version of an image.

Send document comments to vsg-docfeedback@cisco.com.

show inspect ftp statistics

To display inspection File Transfer Protocol (FTP) statistics, use the **show inspect ftp statistics** command.

```
show inspect ftp statistics [svs-domain]
```

Syntax	Description
svs-domain	(Optional) Specifies the SVS domain identification number.

Defaults	None
----------	------

Command Modes	EXEC Global configuration (config)
---------------	---------------------------------------

Supported User Roles	network-admin network-operator
----------------------	-----------------------------------

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show inspect ftp statistics** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

Examples This example shows to display inspection FTP statistics:

```
vsg# show inspect ftp statistics
Input packets          1000
Dropped packets       6
Reset-drop packets    0
New connections       1
Deleted connections   0
IPC errors            0
IPC allocation errors 0
vsg#
```

Related Commands	Command	Description
	show ip tftp	Displays TFTP client information.

Send document comments to vsg-docfeedback@cisco.com.

show install all

To display installation logs, use the **show install all** command.

```
show install all {failed-standby | failure-reason | impact | status}
```

Syntax	Description
failed-standby	Displays a log that reports failed-standby installations.
failure-reason	Displays a log that reports the reason for failed installations.
impact	Displays a log that reports the impact of installations.
status	Displays a log that reports the status of the current installation.

Defaults None

Command Modes EXEC
Global configuration

Supported User Roles network-admin
network-operator

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show install all** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

Examples This example shows how to display a log that reports the status of the current installation:

```
vsg# show install all status
No installation has taken place since the last reboot.
vsg#
```

Related Commands	Command	Description
	show version image	Displays the software version of an image.

Send document comments to vsg-docfeedback@cisco.com.

show interface

To display information about interfaces, use the **show interface** command.

```
show interface [brief | capabilities | counters | data | description | ethernet | loopback |
               mac-address | mgmt | port-channel | snmp-ifindex | status | switchport | transceiver | trunk]
```

Syntax	Description
brief	(Optional) Displays brief information about an interface.
capabilities	(Optional) Displays information about interface capabilities.
counters	(Optional) Displays interface counters.
data	(Optional) Displays the data interface.
description	(Optional) Displays a description of an interface.
ethernet	(Optional) Displays Ethernet IEEE 802.3z interfaces.
loopback	(Optional) Displays the loopback interface.
mac-address	(Optional) Displays the MAC address of an interface.
mgmt	(Optional) Displays the management interface.
port-channel	(Optional) Displays port-channel interfaces.
snmp-ifindex	(Optional) Displays the SNMP interface index.
status	(Optional) Displays the interface line status.
switchport	(Optional) Displays the switchport interface.
transceiver	(Optional) Displays interface transceiver information.
trunk	(Optional) Displays trunk interface information.

Defaults None

Command Modes EXEC
Global configuration

Supported User Roles network-admin
network-operator

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show interface** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.

Send document comments to vsg-docfeedback@cisco.com.

- |—Pipes the command output to a filter.

Examples

This example shows how to display information about the management 0 interface:

```
vsg# show interface mgmt 0
mgmt0 is up
  Hardware: Ethernet, address: 0050.56bb.0038 (bia 0050.56bb.0038)
  Internet Address is 10.193.73.138/21
  MTU 1500 bytes, BW 1000000 Kbit, DLY 10 usec,
    reliability 255/255, txload 1/255, rxload 1/255
  Encapsulation ARPA
  full-duplex, 10 Gb/s
  Auto-Negotiation is turned on
  1 minute input rate 44136 bits/sec, 62 packets/sec
  1 minute output rate 1808 bits/sec, 1 packets/sec
  Rx
    755797571 input packets 131701 unicast packets 2575417 multicast packets
    753090453 broadcast packets 107614075553 bytes
  Tx
    1240518 output packets 1144680 unicast packets 43411 multicast packets
    52427 broadcast packets 203763544 bytes
vsg#
```

Related Commands

Command	Description
show ip interface	Displays IP interface information.

Send document comments to vsg-docfeedback@cisco.com.

show ip

To display IP statistics, use the **show ip** command.

```
show ip {adjacency | arp | client | igmp | interface | internal | logging | netstack | process | route
| static-route | tftp | traffic}
```

Syntax	Description
adjacency	Displays the IP adjacency table.
arp	Displays IP Address Resolution Protocol (ARP) table and statistics.
client	Displays clients registered with the IP process.
igmp	Display IP address Internet Group Management Protocol (IGMP) status and configuration.
interface	Display IP interface information.
internal	Display internal IP information.
logging	Displays the IP policy logging table.
netstack	Displays the netstack local cache.
process	Display global IP information.
route	Displays routing information.
static-route	Displays configured static routes.
tftp	Displays Trivial File Transfer Protocol (TFTP) client information.
traffic	Displays IP software processed traffic statistics.

Defaults None

Command Modes EXEC
Global configuration

Supported User Roles network-admin
network-operator

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show ip** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

Send document comments to vsg-docfeedback@cisco.com.

Examples

This example shows how to display IP traffic statistics:

```
vsg# show ip traffic
IP Software Processed Traffic Statistics
-----
Transmission and reception:
  Packets received: 647601245, sent: 1145486, consumed: 0,
  Forwarded, unicast: 1099007, multicast: 0, Label: 0
Opts:
  end: 0, nop: 0, basic security: 0, loose source route: 0
  timestamp: 0, record route: 0
  strict source route: 0, alert: 4,
  other: 0
Errors:
  Bad checksum: 0, packet too small: 0, bad version: 0,
  Bad header length: 0, bad packet length: 0, bad destination: 0,
  Bad ttl: 0, could not forward: 645386546, no buffer dropped: 0,
  Bad encapsulation: 20, no route: 377, non-existent protocol: 0
  MBUF pull up fail: 0
Fragmentation/reassembly:
  Fragments received: 0, fragments sent: 0, fragments created: 0,
  Fragments dropped: 0, packets with DF: 0, packets reassembled: 0,
  Fragments timed out: 0
ICMP Software Processed Traffic Statistics
-----
Transmission:
  Redirect: 30725, unreachable: 0, echo request: 0, echo reply: 0,
  Mask request: 0, mask reply: 0, info request: 0, info reply: 0,
  Parameter problem: 0, source quench: 0, timestamp: 0,
  Timestamp response: 0, time exceeded: 0,
  Irdp solicitation: 0, irdp advertisement: 0
Reception:
  Redirect: 0, unreachable: 0, echo request: 0, echo reply: 0,
  Mask request: 0, mask reply: 0, info request: 0, info reply: 0,
  Parameter problem: 0, source quench: 0, timestamp: 0,
  Timestamp response: 0, time exceeded: 0,
  Irdp solicitation: 0, irdp advertisement: 0,
  Format error: 0, checksum error: 0
Statistics last reset: never
```

Related Commands

Command	Description
show ipv6	Displays IPv6 information.

Send document comments to vsg-docfeedback@cisco.com.

show ipv6

To display IPv6 statistics, use the **show ipv6** command.

```
show ipv6 {adjacency | icmp | mld | nd | neighbor | route | routers}
```

Syntax Description	Parameter	Description
	adjacency	Displays the IPv6 adjacency table.
	icmp	Displays ICMPv6 information.
	mld	Displays Multicast Listener Discovery information.
	nd	Displays Neighbor Discovery interface information.
	neighbor	Displays IPv6 neighbor information.
	route	Displays the IPv6 routing table.
	routers	Displays neighbor routing information.

Defaults None

Command Modes EXEC
Global configuration

SupportedUserRoles network-admin
network-operator

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show ipv6** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

Examples This example shows how to display an IPv6 adjacency table:

```
vsg# show ipv6 adjacency summary
IPv6 AM Table - Adjacency Summary

Static   : 2
Dynamic : 03
Others   : 0
Total    : 5
```

■ show ipv6

Send document comments to vsg-docfeedback@cisco.com.

vsg#

Related Commands	Command	Description
	show ip	Displays IP information.

Send document comments to vsg-docfeedback@cisco.com.

show kernel internal

To display kernel information, use the **show kernel** command.

```
show kernel internal {aipc | cpuhogmon | ide-statistics | malloc-stats | meminfo | messages |
                    skb-stats | softnetstat}
```

Syntax Description		
	aipc	Displays kernel AIPC information.
	cpuhogmon	Displays CPU hog monitoring.
	ide-statistics	Displays IDE statistics
	malloc-stats	Displays malloc statistics.
	meminfo	Displays kernel memory usage information.
	messages	Displays kernel messages.
	skb-stats	Displays SK buffer allocation statistics.
	softnetstat	Displays kernel network queue information.

Defaults None

Command Modes EXEC
Global configuration

SupportedUserRoles network-admin
network-operator

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show kernel internal** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

Examples This example shows how to display information about memory:

```
vsg# show kernel internal meminfo
MemTotal:      1944668 kB
MemFree:       909024 kB
Buffers:       70880 kB
Cached:        397144 kB
```

■ **show kernel internal**

Send document comments to vsg-docfeedback@cisco.com.

```

RAMCached:      351732 kB
Allowed:        486167 Pages
Free:           227256 Pages
Available:      257029 Pages
SwapCached:     0 kB
Active:         567632 kB
Inactive:       329852 kB
HighTotal:      1179584 kB
HighFree:       334080 kB
LowTotal:       765084 kB
LowFree:        574944 kB
SwapTotal:      0 kB
SwapFree:       0 kB
Dirty:          0 kB
Writeback:      0 kB
Mapped:         548996 kB
Slab:           29756 kB
CommitLimit:   972332 kB
Committed_AS:  943536 kB
PageTables:     4064 kB
VmallocTotal:  114680 kB
VmallocUsed:    87644 kB
VmallocChunk:  26940 kB
vsg#

```

Related Commands

Command	Description
show system internal kernel	Displays kernel information.

Send document comments to vsg-docfeedback@cisco.com.

show line

To display the command line configuration, use the **show line** command.

```
show line [com1 | console]
```

Syntax Description	
com1	(Optional) Displays the auxiliary command line configuration.
console	(Optional) Displays the console command line configuration.

Defaults	None
----------	------

Command Modes	EXEC Global configuration
---------------	------------------------------

SupportedUserRoles	network-admin network-operator
--------------------	-----------------------------------

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines	You can use the following operators with the show line command:
------------------	--

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

Examples	This example shows how to display the command line configuration:
----------	---

```
vsg# show line
line Console:
  Speed:          9600 baud
  Databits:       8 bits per byte
  Stopbits:       1 bit(s)
  Parity:          none
  Modem In:       Disable
  Modem Init-String -
                  default : ATE0Q1&D2&C1S0=1\015

line Aux:
  Speed:          9600 baud
  Databits:       8 bits per byte
  Stopbits:       1 bit(s)
  Parity:          none
```

show line

Send document comments to vsg-docfeedback@cisco.com.

```
Modem In: Disable
Modem Init-String -
    default : ATE0Q1&D2&C1S0=1\015
Hardware Flowcontrol: ON
```

vsg#

Related Commands

Command	Description
cli	Configures the command line.

Send document comments to vsg-docfeedback@cisco.com.

show logging

To display logging information, use the **show logging** command.

```
show logging [console | info | internal | last | level | logfile | module | monitor | pending |
pending-diff | server | session | status | timestamp]
```

Syntax Description	
console	(Optional) Displays the console logging configuration.
info	(Optional) Displays the logging configuration.
internal	(Optional) Displays syslog information.
last	(Optional) Displays the last few lines of a log.
level	(Optional) Displays the facility logging configuration.
logfile	(Optional) Displays a log file.
module	(Optional) Displays the module logging configuration.
monitor	(Optional) Displays the monitor logging configuration.
pending	(Optional) Displays the server address pending configuration.
pending-diff	(Optional) Displays the server address pending configuration.
server	(Optional) Displays the server logging configuration.
session	(Optional) Displays the logging session status.
status	(Optional) Displays the logging status.
timestamp	(Optional) Displays the logging time-stamp configuration.

Defaults None

Command Modes EXEC
Global configuration

SupportedUserRoles network-admin
network-operator

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show logging** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

Send document comments to vsg-docfeedback@cisco.com.

When you enter a **show** command that displays a long list of data, you can press **Ctrl+c** at any time to exit that list.

Examples

This example shows how to display the logfile:

```
VSG129-2# show logging logfile start-seqn 1
Last Log cleared/wrapped time is : None
1: 2011 Jan 21 17:17:21 VSG129-2 %KERN-2-SYSTEM_MSG: Starting kernel... - kernel
2: 2011 Jan 21 17:17:21 VSG129-2 %KERN-3-SYSTEM_MSG: PCI: Cannot allocate resource region 1 of device 0000:00:0f.0 - kernel
3: 2011 Jan 21 17:17:21 VSG129-2 %KERN-3-SYSTEM_MSG: sda: assuming drive cache: write through - kernel
4: 2011 Jan 21 17:17:21 VSG129-2 %KERN-3-SYSTEM_MSG: sda: assuming drive cache: write through - kernel
5: 2011 Jan 21 17:17:21 VSG129-2 %KERN-3-SYSTEM_MSG: CMOS: Module initialized - kernel
6: 2011 Jan 21 17:17:21 VSG129-2 %KERN-1-SYSTEM_MSG: calling register_stun_set_domain_id() - kernel
7: 2011 Jan 21 17:17:21 VSG129-2 %KERN-1-SYSTEM_MSG: register_stun_set_domain_id() - kernel
8: 2011 Jan 21 17:17:21 VSG129-2 %KERN-1-SYSTEM_MSG: Successfully registered SNAPP client for SNAP=0x00000c013200 0xf1117360 - kernel
9: 2011 Jan 21 17:17:21 VSG129-2 %KERN-1-SYSTEM_MSG: STUN : Successfully created Socket - kernel
10: 2011 Jan 21 17:17:21 VSG129-2 %KERN-3-SYSTEM_MSG: redun_platform_ioctl : Entered - kernel
11: 2011 Jan 21 17:17:21 VSG129-2 %KERN-3-SYSTEM_MSG: redun_platform_ioctl : SW version is set 4.2(1)VSG1(1) - kernel
12: 2011 Jan 21 17:17:21 VSG129-2 %LOCAL7-3-SYSTEM_MSG: - dhcpd
13: 2011 Jan 21 17:17:21 VSG129-2 %LOCAL7-3-SYSTEM_MSG: No subnet declaration for ftp0 (127.2.1.1). - dhcpd
14: 2011 Jan 21 17:17:21 VSG129-2 %LOCAL7-3-SYSTEM_MSG: ** Ignoring requests on ftp0. If this is not what - dhcpd
15: 2011 Jan 21 17:17:21 VSG129-2 %LOCAL7-3-SYSTEM_MSG: you want, please write a subnet declaration - dhcpd
16: 2011 Jan 21 17:17:21 VSG129-2 %LOCAL7-3-SYSTEM_MSG: in your dhcpd.conf file for the network segment - dhcpd
17: 2011 Jan 21 17:17:21 VSG129-2 %LOCAL7-3-SYSTEM_MSG: to which interface ftp0 is attached. ** - dhcpd
18: 2011 Jan 21 17:17:21 VSG129-2 %LOCAL7-3-SYSTEM_MSG: - dhcpd
19: 2011 Jan 21 17:17:21 VSG129-2 %LOCAL7-3-SYSTEM_MSG: Not configured to listen on any interfaces! - dhcpd
20: 2011 Jan 21 17:17:21 VSG129-2 %USER-2-SYSTEM_MSG: CLIS: loading cmd files begin - clis
21: 2011 Jan 21 17:17:21 VSG129-2 %KERN-3-SYSTEM_MSG: redun_platform_ioctl : Entered - kernel
22: 2011 Jan 21 17:17:21 VSG129-2 %KERN-3-SYSTEM_MSG: redun_platform_ioctl : Host name is set VSG129-2 - kernel
23: 2011 Jan 21 17:17:23 VSG129-2 %LOCAL7-3-SYSTEM_MSG: - dhcpd
24: 2011 Jan 21 17:17:23 VSG129-2 %LOCAL7-3-SYSTEM_MSG: No subnet declaration for ftp0 (127.2.1.1). - dhcpd
25: 2011 Jan 21 17:17:23 VSG129-2 %LOCAL7-3-SYSTEM_MSG: ** Ignoring requests on ftp0. If this is not what - dhcpd
26: 2011 Jan 21 17:17:23 VSG129-2 %LOCAL7-3-SYSTEM_MSG: you want, please write a subnet declaration - dhcpd
27: 2011 Jan 21 17:17:23 VSG129-2 %LOCAL7-3-SYSTEM_MSG: in your dhcpd.conf file for the network segment - dhcpd
28: 2011 Jan 21 17:17:23 VSG129-2 %LOCAL7-3-SYSTEM_MSG: to which interface ftp0 is attached. ** - dhcpd
29: 2011 Jan 21 17:17:23 VSG129-2 %LOCAL7-3-SYSTEM_MSG: - dhcpd
30: 2011 Jan 21 17:17:23 VSG129-2 %LOCAL7-3-SYSTEM_MSG: Not configured to listen on any interfaces! - dhcpd
```

Send document comments to vsg-docfeedback@cisco.com.

```

31: 2011 Jan 21 17:17:23 VSG129-2 %MODULE-5-ACTIVE_SUP_OK: Supervisor 1 is activ
e (serial: T5056BB0038)
32: 2011 Jan 21 17:17:23 VSG129-2 %PLATFORM-5-MOD_STATUS: Module 1 current-statu
s is MOD_STATUS_ONLINE/OK
33: 2011 Jan 21 17:17:26 VSG129-2 %USER-2-SYSTEM_MSG: CLIS: loading cmd files en
d - clis
34: 2011 Jan 21 17:17:26 VSG129-2 %USER-2-SYSTEM_MSG: CLIS: init begin - clis
35: 2011 Jan 21 17:17:44 VSG129-2 %USER-2-SYSTEM_MSG: Invalid feature name eth-p
ort-sec - clis
36: 2011 Jan 21 17:18:00 VSG129-2 %POLICY_ENGINE-5-POLICY_ACTIVATE_EVENT: Policy
pl is activated by profile spl
37: 2011 Jan 21 17:18:00 VSG129-2 %IM-5-IM_INTF_STATE: mgmt0 is DOWN in vdc 1
38: 2011 Jan 21 17:18:00 VSG129-2 %IM-5-IM_INTF_STATE: mgmt0 is UP in vdc 1
39: 2011 Jan 21 17:18:00 VSG129-2 %IM-5-IM_INTF_STATE: data0 is DOWN in vdc 1
40: 2011 Jan 21 17:18:00 VSG129-2 %IM-5-IM_INTF_STATE: data0 is UP in vdc 1
41: 2011 Jan 21 17:18:00 VSG129-2 %POLICY_ENGINE-5-POLICY_COMMIT_EVENT: Commit o
peration SUCCESSFUL
42: 2011 Jan 21 17:18:00 VSG129-2 %VDC_MGR-2-VDC_ONLINE: vdc 1 has come online
43: 2011 Jan 24 12:53:47 VSG129-2 %VSHD-5-VSHD_SYSLOG_CONFIG_I: Configured from
vty by admin on 171.70.216.167@pts/1
44: 2011 Feb 7 16:30:00 VSG129-2 %AUTHPRIV-3-SYSTEM_MSG: pam_aaa:Authentication
failed for user admin from 171.71.29.84 - sshd[7496]
45: 2011 Feb 9 18:41:38 VSG129-2 %VSHD-5-VSHD_SYSLOG_CONFIG_I: Configured from
vty by admin on 10.21.84.66@pts/10
46: 2011 Feb 14 14:15:31 VSG129-2 %VSHD-5-VSHD_SYSLOG_CONFIG_I: Configured from
vty by admin on 171.71.29.84@pts/15
47: 2011 Feb 14 15:58:21 VSG129-2 %VSHD-5-VSHD_SYSLOG_CONFIG_I: Configured from
vty by admin on 171.71.29.84@pts/15
48: 2011 Feb 14 16:34:25 VSG129-2 %VSHD-5-VSHD_SYSLOG_CONFIG_I: Configured from
vty by admin on 171.71.29.84@pts/15
49: 2011 Feb 14 18:38:57 VSG129-2 %VSHD-5-VSHD_SYSLOG_CONFIG_I: Configured from
vty by admin on 171.71.29.84@pts/16
50: 2011 Feb 17 20:18:55 VSG129-2 %AUTHPRIV-3-SYSTEM_MSG: pam_aaa:Authentication
failed for user admin from 10.21.144.180 - sshd[23785]
51: 2011 Feb 18 15:14:03 VSG129-2 %VSHD-5-VSHD_SYSLOG_CONFIG_I: Configured from
vty by admin on 171.71.29.84@pts/22
52: 2011 Feb 21 13:16:43 VSG129-2 %VSHD-5-VSHD_SYSLOG_CONFIG_I: Configured from
vty by admin on 171.71.29.84@pts/26
53: 2011 Feb 21 14:08:23 VSG129-2 %VSHD-5-VSHD_SYSLOG_CONFIG_I: Configured from
vty by admin on 171.71.29.84@pts/26
54: 2011 Feb 22 11:47:27 VSG129-2 %VSHD-5-VSHD_SYSLOG_CONFIG_I: Configured from
vty by admin on 171.71.29.84@pts/28
vsg#

```

Related Commands

Command	Description
show event-log	Displays the event log.

Send document comments to vsg-docfeedback@cisco.com.

show ntp

To display Network Time Protocol (NTP) information, use the **show ntp** command.

show ntp [**internal** | **peer-status** | **peers** | **rts-update** | **source** | **statistics** | **timestamp-status**]

Syntax Description	
internal	(Optional) Displays internal NTP information.
peer-status	(Optional) Displays the status of all the peers.
peers	(Optional) Displays all the peers.
rts-update	(Optional) Displays the status of RTS.
source	(Optional) Displays the source IP address.
statistics	(Optional) Displays NTP statistics.
timestamp-status	(Optional) Displays the status of the time-stamp check.

Defaults None

Command Modes EXEC
Global configuration

SupportedUserRoles network-admin
network-operator

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show ntp** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

Examples This example shows how to display local NTP statistics:

```
VSG129-2# show ntp statistics local
system uptime:          2669747
time since reset:       2669747
old version packets:    0
new version packets:    10
unknown version number: 0
bad packet format:      0
packets processed:      0
```

Send document comments to vsg-docfeedback@cisco.com.

```
bad authentication:    0
vsg#
```

Related Commands

Command	Description
show clock	Displays the time.

Send document comments to vsg-docfeedback@cisco.com.

show password

To enable the password strength check, use the **show password** command.

show password strength-check

Syntax	Description
strength-check	Checks the strength of the password.

Defaults	None
----------	------

Command Modes	EXEC Global configuration
---------------	------------------------------

Supported User Roles	network-admin network-operator
----------------------	-----------------------------------

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show password** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

Examples This example shows how to enable password strength check:

```
vsg# show password strength-check
Password strength check enabled
vsg#
```

Related Commands	Command	Description
	show aaa	Display authentication and authorization information.

Send document comments to vsg-docfeedback@cisco.com.

show platform internal

To display platform manager information, use the **show platform internal** command.

show platform { **all** | **errors** | **event-history** | **info** | **mem-stats** | **msgs** }

Syntax Description		
all		Displays platform information.
errors		Displays the platform manager error log.
event-history		Displays platform manager event history.
info		Displays platform manager internal information.
mem-stats		Displays platform manager memory allocation statistics.
msgs		Displays platform manager message logs.

Defaults None

Command Modes EXEC
Global configuration

SupportedUserRoles network-admin
network-operator

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show platform** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

When you enter a **show** command that displays a long list of data, you can press **Ctrl+c** at any time to exit that list.

Examples This example shows how to display platform manager memory statistics:

```
VSG129-2# show platform internal mem-stats
Inside pfm_cli_show_memstats
sending mts msg 18
```

```
Private Mem stats for UUID : Malloc track Library(103) Max types: 5
-----
```

■ **show platform internal**

Send document comments to vsg-docfeedback@cisco.com.

```

Curr alloc: 414 Curr alloc bytes: 19803(19k)

Private Mem stats for UUID : Non mtrack users(0) Max types: 81
-----
Curr alloc: 149 Curr alloc bytes: 1322797(1291k)

Private Mem stats for UUID : libsdwrap(115) Max types: 22
-----
Curr alloc: 11 Curr alloc bytes: 1448(1k)

Private Mem stats for UUID : Associative_db library(175) Max types: 14
-----
Curr alloc: 6 Curr alloc bytes: 200(0k)

Private Mem stats for UUID : Event sequence library(158) Max types: 4
-----
Curr alloc: 0 Curr alloc bytes: 0(0k)

Private Mem stats for UUID : Associative_db utils library(174) Max types: 4
-----
Curr alloc: 0 Curr alloc bytes: 0(0k)

Private Mem stats for UUID : libfsrv(404) Max types: 11
-----
Curr alloc: 0 Curr alloc bytes: 0(0k)

Private Mem stats for UUID : FSM Utils(53) Max types: 68
-----
Curr alloc: 136 Curr alloc bytes: 7760(7k)

Private Mem stats for UUID : Platform Manager(24) Max types: 25
-----
Curr alloc: 0 Curr alloc bytes: 0(0k)

Curr alloc: 716 Curr alloc bytes: 1352008 (1320k)
vsg#

```

Related Commands

Command	Description
show system internal mem-alerts-log	Displays the memory alert log.

Send document comments to vsg-docfeedback@cisco.com.

show policy-engine

To display policy engine statistics, use the **show policy-engine** command.

```
show policy-engine {policy-name | stats}
```

Syntax Description		
	<i>policy-name</i>	Name of the policy engine.
	stats	Displays policy engine statistics.

Defaults	None
----------	------

Command Modes	EXEC Global configuration
---------------	------------------------------

SupportedUserRoles	network-admin network-operator
--------------------	-----------------------------------

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines	You can use the following operators with the show policy-engine command:
------------------	---

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

Examples	This example shows how to display policy engine statistics:
----------	---

```
vsg# show policy-engine stats

Policy Match Stats:

p1           :      30378
  r1         :      30378 (Permit)
  NOT_APPLICABLE :      0 (Drop)

vsg#
```

Related Commands	Command	Description
	policy	Configures a policy.

Send document comments to vsg-docfeedback@cisco.com.

show processes

To display processes, use the **show processes** command.

```
show processes [cpu | log | memory | vdc]
```

Syntax Description	cpu	(Optional) Displays information about CPU processes.
	log	(Optional) Displays information about process logs.
	memory	(Optional) Displays information about memory processes.
	vdc	(Optional) Displays information about VDC processes.

Defaults None

Command Modes EXEC
Global configuration

SupportedUserRoles network-admin
network-operator

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show processes** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

When you enter a **show** command that displays a long list of data, you can press **Ctrl+c** at any time to exit that list.

Examples This example shows how to display information about memory processes:

```
vsg(config)# show processes memory
```

PID	MemAlloc	MemLimit	MemUsed	StackBase/Ptr	Process
1	147456	0	1441792	bffffe60/bffff950	init
2	0	0	0	0/0	ksoftirqd/0
3	0	0	0	0/0	desched/0
4	0	0	0	0/0	events/0
5	0	0	0	0/0	khelper

Send document comments to vsg-docfeedback@cisco.com.

```

10          0 0          0          0/0          kthread
18          0 0          0          0/0          kblockd/0
35          0 0          0          0/0          khubd
188         0 0          0          0/0          pdflush
189         0 0          0          0/0          pdflush
190         0 0          0          0/0          kswapd0
191         0 0          0          0/0          aio/0
776         0 0          0          0/0          kseriod
823         0 0          0          0/0          kide/0
833         0 0          0          0/0          ata/0
837         0 0          0          0/0          scsi_eh_0
1175        0 0          0          0/0          kjournald
1180        0 0          0          0/0          kjournald
1740        0 0          0          0/0          kjournald
1747        0 0          0          0/0          kjournald
1976        155648 0          1536000      bffffdb0/bffffcb0 portmap
1989         0 0          0          0/0          nfsd
1990         0 0          0          0/0          nfsd
1991         0 0          0          0/0          nfsd
1992         0 0          0          0/0          nfsd
1993         0 0          0          0/0          nfsd
1994         0 0          0          0/0          nfsd
1995         0 0          0          0/0          nfsd
1996         0 0          0          0/0          nfsd
1997         0 0          0          0/0          lockd
1998         0 0          0          0/0          rpciod
2003        180224 0          1642496      bffffd80/bffffb60 rpc.mountd
2009        159744 0          1601536      bffffda0/bffffb10 rpc.statd
2036        2551808 0          15540224     bffffd40/bffffed20 sysmgr
2319         0 0          0          0/0          mping-thread
2320         0 0          0          0/0          mping-thread
2336         0 0          0          0/0          stun_kthread
2337         0 0          0          0/0          stun_arp_mts_kt
2338         0 0          0          0/0          stun_packets_re
2373         0 0          0          0/0          redun_kthread
2374         0 0          0          0/0          redun_timer_kth
2513         0 0          0          0/0          sf_rdn_kthread
2514        364544 214619750    69095424     bffffa40/bffff8b0 xinetd
2515        421888 95819750     68964352     bffffa70/bffff8a0 tftpd
2516        23015424 125824371    106741760    bffffa40/bffffe73c syslogd
2517         933888 109213561    74809344     bffffa80/bffffe850 sdwrapd
2519        4120576 0            81752064     bffffa70/bffff79e0 platform
2524         0 0          0          0/0          ls-notify-mts-t
2537        282624 92591910     74170368     bffffa70/bffffe058 pfm_dummy
2545        155648 0            1441792      bffffa60/bffff988 klogd
2552        2109440 393881241    78864384     bffffa80/bffff278 vshd
2553        1073152 95385382     76709888     bffffa80/bffffe4d0 stun
2554        2732032 367819865    144842752    bffffa30/bffff690 snm
2555        1155072 165002041    75182080     bffffa50/bffffe4b0 session-mgr
2556        479232 135244736    73154560     bffffa40/bffff770 psshelper
2557        212992 96888422     69488640     bffff9f0/bffffe680 lmgrd
2558        528384 91650240     73543680     bffffa60/bffff5f8 licmgr
2559        512000 92225126     78594048     bffffa90/bffff260 fs-daemon
2560        397312 85133312     72286208     bffffa60/bffff3690 feature-mgr
2561        315392 85106278     72122368     bffffa70/bffff840 confcheck
2562        958464 92785651     74874880     bffffa60/bffffe910 capability
2563        479232 135244736    73154560     bffffa20/bffff750 psshelper_gsvc
2573        217088 0            2572288      bffff9c0/bffff820 cisco
2576        7733248 664149376    106373120    bffffa30/bffff3e0 clis
2583        2248704 372636352    103321600    bffffa50/bffffd960 port-profile
2585        274432 85254963     72257536     bffffa60/bffff830 xmlma
2586        1245184 95083507     76578816     bffffa60/bffffe2dc vnm_pa_intf
2587        2146304 115889523    76902400     bffffa60/bffffe060 vmm
2588        708608 127975372    76795904     bffffa70/bffffe9c0 vdc_mgr

```

show processes

Send document comments to vsg-docfeedback@cisco.com.

2589	634880	109440179	84406272	bffffaa0/bffff3c0	ttyd
2590	450560	78402579	70279168	bffffa70/bffff530	sysinfo
2591	438272	91884531	73687040	bffffa80/bffff490	sksd
2593	610304	91614195	73551872	bffffa70/bffff234	res_mgr
2594	1028096	93695782	75186176	bffffa80/bffffe4b0	plugin
2595	3956736	375542464	94433280	bffffa50/bffff4f0	npacl
2596	811008	175709177	74731520	bffffa60/bffffbf80	mvsh
2597	2596864	109250944	79581184	bffffa80/bffffcf70	module
2598	3489792	182622105	87179264	bffffa80/bffffd980	fwm
2599	1175552	100089228	81141760	bffffa60/bffffe490	evms
2600	1015808	93312806	74964992	bffffa60/bffffe4a0	evmc
2601	581632	92554035	84045824	bffffa90/bffff470	core-dmon
2602	454656	92722572	74289152	bffffa80/bffff3b0	bootvar
2603	9854976	367171059	93200384	bffffa60/bffff4c0	ascii-cfg
2604	647168	87422156	74403840	bffffa40/bffffe678	securityd
2605	1048576	98226585	84234240	bffffa60/bffffdce0	cert_enroll
2606	495616	87332044	75096064	bffffa60/bffffe850	aaa
2614	5029888	369338252	86528000	bffffa50/bffff960	l3vm
2615	4288512	366242905	106196992	bffffa50/bffff950	u6rib
2616	6340608	367112486	129155072	bffffa50/bffff8c0	urib
2617	1568768	139989132	77787136	bffffa70/bffffe680	ExceptionLog
2618	3047424	116793318	86609920	bffffa80/bffffe490	ifmgr
2619	806912	87336550	74678272	bffffa80/bffffe8c0	tcap
2623	5693440	262289420	137621504	bffffa10/bffffd8f0	snmpd
2636	163840	293819750	68661248	bffffa20/bffff018	PMon
2637	3104768	256175321	84361216	bffffa50/bffffe210	aclmgr
2662	9428992	373095923	151752704	bffffa50/bffff530	adjmgr
2676	4755456	366648409	128327680	bffffa50/bffff920	arp
2677	6037504	369130995	110952448	bffffa40/bffff2c8	icmpv6
2678	53452800	584746060	201703424	bffffa20/bffff490	netstack
2751	1368064	229098848	124534784	bffffa40/bffffdac0	radius
2752	233472	98996198	69996544	bffffa30/bffff8c8	ip_dummy
2753	233472	98996198	69996544	bffffa30/bffff8c8	ipv6_dummy
2754	1826816	165916537	126001152	bffffa50/bffffeb30	ntp
2755	233472	98996198	69996544	bffffa30/bffff8c8	pktmgr_dummy
2756	233472	98996198	69996544	bffffa30/bffff8c8	tcpudp_dummy
2758	1097728	202319744	126873600	bffffa60/bffffed90	cdp
2762	1024000	109019750	80056320	bffff990/bffffec90	dcos-xinetd
2764	729088	0	12656640	bffffef0/bffff220	ntpd
2881	1409024	113508736	83517440	bffffa80/bffffe0a0	vsim
2882	2785280	366824128	90828800	bffffa60/bffffdbb0	ufdm
2883	1273856	365913996	140460032	bffffa60/bffffd970	sal
2884	2342912	107612243	84082688	bffffa60/bffffd940	pltfm_config
2885	4083712	206235110	88436736	bffffa50/bffffd970	monitor
2886	3870720	317199308	90644480	bffffa50/bffffdf80	ipqosmgr
2887	7446528	504510195	132648960	bffffa50/bffff980	igmp
2888	5025792	186650112	89972736	bffffa40/bffffd8f0	eth-port-sec
2889	2170880	199314508	82145280	bffffa60/bffffe220	copp
2890	2453504	118573030	87961600	bffffa40/bffffd730	eth_port_channel
2891	8450048	156970739	94244864	bffffa50/bffffe990	vlan_mgr
2892	14442496	309585689	102936576	bffffa60/bffffdb40	ethpm
2933	1544192	204094950	85684224	bffffa60/bffffe480	msp
2936	1048576	93330828	74928128	bffffa50/bffffe480	vsn_service_mgr
2937	169234432	1191148288	251592704	bffffa60/bffffe48c	sp
2938	10510336	651213798	103919616	bffffa40/bffffe89c	policy_engine
2939	3485696	633948339	85774336	bffffa40/bffffe24c	inspect
3006	159744	0	1441792	bffffdc0/bffffc58	getty
3007	172032	0	1527808	bffffd90/bffffc28	getty
3019	1142784	0	14630912	bffffa30/bffffe810	dcos_sshd
3021	1167360	0	31797248	bffffdc0/bffffaa0	vsh
28520	1142784	0	14630912	bffffa30/bffffe810	dcos_sshd
28521	1167360	0	31797248	bffffdc0/bffffa7c8	vsh
30327	155648	0	1712128	bffffcf0/bffffb4c	more
30328	1167360	0	31830016	bffffdc0/bffffa2d8	vsh

Send document comments to vsg-docfeedback@cisco.com.

```
30329          0  0          0          bffffa10/bffffef28  ps
```

```
All processes: MemAlloc = 445857792  
vsg#
```

Related Commands

Command	Description
show system resources	Displays memory usage.

Send document comments to vsg-docfeedback@cisco.com.

show redundancy status

To display redundancy status, use the **show redundancy status** command.

show redundancy status

Syntax Description This command has no arguments or keywords.

Defaults None

Command Modes EXEC
Global configuration

SupportedUserRoles network-admin
network-operator

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show redundancy status** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

Examples This example shows how to display redundancy status:

```
vsg# show redundancy status
Redundancy role
-----
      administrative:  standalone
      operational:    standalone

Redundancy mode
-----
      administrative:  HA
      operational:    None

This supervisor (sup-1)
-----
      Redundancy state:  Active
      Supervisor state:  Active
      Internal state:   Active with no standby
```

Send document comments to vsg-docfeedback@cisco.com.

```

Other supervisor (sup-2)
-----
Redundancy state:   Not present

Supervisor state:   N/A
Internal state:     N/A

System start time:   Fri Jan 21 15:45:28 2011

System uptime:       32 days, 1 hours, 46 minutes, 2 seconds
Kernel uptime:       32 days, 0 hours, 14 minutes, 45 seconds
Active supervisor uptime: 32 days, 1 hours, 45 minutes, 20 seconds
vsg#

```

Related Commands

Command	Description
show system redundancy status	Displays the system redundancy status.

Send document comments to vsg-docfeedback@cisco.com.

show resource

To display resources, use the **show resource** command.

```
show resource [internal | m4route-mem | m6route-mem | monitor-session | port-channel |
u4route-mem | u6route-mem | vlan | vrf ]
```

Syntax	Description
internal	(Optional) Displays resource manager information
m4route-mem	(Optional) Displays m4route-mem information.
m6route-mem	(Optional) Displays m6route-mem information.
monitor-session	(Optional) Displays monitor session information.
port-channel	(Optional) Displays port-channel information.
u4route-mem	(Optional) Displays u4route-mem information.
u6route-mem	(Optional) Displays u6route-mem information.
vlan	(Optional) Displays VLAN information.
vrf	(Optional) Displays the virtual routing and forwarding (VRF) information.

Defaults None

Command Modes EXEC
Global configuration

Supported User Roles network-admin
network-operator

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show resource** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

Examples This example shows how to display resources:

```
vsg# show resource
```

```
Resource           Min           Max           Used           Unused          Avail
```


Send document comments to vsg-docfeedback@cisco.com.

```

-----
vlan                16      2049      2        14      2047
monitor-session    0         2         0         0         2
vrf                 16      8192      2        14      8190
port-channel       0         768       0         0         768
u4route-mem        32         32        1         31         31
u6route-mem        16         16        1         15         15
m4route-mem        58         58        0         58         58
m6route-mem        8          8         0         8          8

```

vsg#

Related Commands

Command	Description
show system resources	Displays system resources.

Send document comments to vsg-docfeedback@cisco.com.

show role

To show user role information, use the **show role** command.

```
show role [feature | name role-name | pending | pending-diff | session | status]
```

Syntax	Description
feature	(Optional) Displays role features.
name	(Optional) Specifies the role name.
<i>role-name</i>	Name of role.
pending	(Optional) Displays uncommitted role configurations.
pending-diff	(Optional) Displays uncommitted role configurations.
session	(Optional) Displays role session status.
status	(Optional) Displays role status.

Defaults None

Command Modes EXEC
Global configuration

Supported User Roles network-admin
network-operator

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show role** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

Examples This example shows how to display the details of the network-admin role:

```
vsg# show role name network-admin
```

```
Role: network-admin
Description: Predefined network admin role has access to all commands
on the switch
-----
Rule      Perm      Type      Scope      Entity
```

Send document comments to vsg-docfeedback@cisco.com.

```
-----  
1      permit read-write  
vsg#
```

Related Commands

Command	Description
show users	Displays users.

Send document comments to vsg-docfeedback@cisco.com.

show running-config

To display running configurations, use the **show running-config** command.

```
show running-config [aaa | all | am | arp | cdp | cert-enroll | diff | exclude | expand-port-profile
| icmpv6 | igmp | interface | ip | l3vm | monitor | ntp | object-group group-name | policy
policy-name | rule rule-name | security | snmp | vdc-all | vlan | vshd | zone zone-name]
```

Syntax	Description
aaa	(Optional) Displays the authentication, authorization, and accounting (AAA) configuration.
all	(Optional) Displays the current operating configuration with defaults.
am	(Optional) Displays AM information.
arp	(Optional) Displays Address Resolution Protocol (ARP) information.
cdp	(Optional) Displays the Cisco Discovery Protocol (CDP) configuration.
cert-enroll	(Optional) Displays the certificates configuration.
diff	(Optional) Displays the difference between the running configuration and the startup configuration.
exclude	(Optional) Excludes displaying specified configurations when performing the show running-config command.
expand-port-profile	(Optional) Displays the port profile.
icmpv6	(Optional) Displays ICMPv6 information.
igmp	(Optional) Displays Internet Group Management Protocol (IGMP) information.
interface	(Optional) Displays interface configurations.
ip	(Optional) Displays IP information.
l3vm	(Optional) Displays Layer 3 Virtual Machine information.
monitor	(Optional) Configures Ethernet SPAN sessions.
ntp	(Optional) Displays NTP information.
object-group	(Optional) Displays the object-group configuration.
<i>group-name</i>	Object group name.
policy	(Optional) Displays the policy configuration.
<i>policy-name</i>	Policy name.
rule	(Optional) Displays the rule configuration.
<i>rule-name</i>	Rule name.
security	(Optional) Displays the security configuration.
snmp	(Optional) Displays the Simple Network Management Protocol (SNMP) configuration.
vdc-all	(Optional) Displays the Virtual Device Context (VDC) configuration.
vlan	(Optional) Displays the VLAN configuration.
vshd	(Optional) Displays the running configuration for VSHD.
zone	(Optional) Displays the running configuration for zones.
<i>zone-name</i>	Zone name.

Send document comments to vsg-docfeedback@cisco.com.

Defaults None

Command Modes EXEC
Global configuration

SupportedUserRoles network-admin
network-operator

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show running-config** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

When you enter a **show** command that displays a long list of data, you can press **Ctrl+c** at any time to exit that list.

Examples This example shows how to display the running configuration:

```
vsg# show running-config

!Command: show running-config
!Time: Wed Feb 23 11:23:41 2011

version 4.2(1)VSG1(1)
no feature telnet
no feature http-server

username adminbackup password 5 $1$0ip/C5Ci$oOdx7oJS1BCFpNRmQK4na. role network
-operator
username admin password 5 $1$nDBYx.EE$aOQn09aSYpclPxcZM9CS3. role network-admin
username vsnbetauser password 5 $1$WBkomPFWRlOqE7fU2ZS/D4yd7bx/L. role network
-admin

banner motd #Nexus VSN#

ssh key rsa 2048
ip domain-lookup
ip domain-lookup
switchname VSG129-2
snmp-server user admin auth md5 0x49381b1f90fcb52a70b55a0bbf05d032 priv 0x49381b
1f90fcb52a70b55a0bbf05d032 localizedkey engineID 128:0:0:9:3:0:0:0:0:0
snmp-server user vsnbetauser auth md5 0x272e8099cab7365fd1649d351b953884 priv 0x
272e8099cab7365fd1649d351b953884 localizedkey engineID 128:0:0:9:3:0:0:0:0:0

vrf context management
```

■ show running-config

Send document comments to vsg-docfeedback@cisco.com.

```

ip route 0.0.0.0/0 10.193.72.1
vlan 1
port-channel load-balance ethernet source-mac
port-profile default max-ports 32

vdc VSG129-2 id 1
  limit-resource vlan minimum 16 maximum 2049
  limit-resource monitor-session minimum 0 maximum 2
  limit-resource vrf minimum 16 maximum 8192
  limit-resource port-channel minimum 0 maximum 768
  limit-resource u4route-mem minimum 32 maximum 32
  limit-resource u6route-mem minimum 16 maximum 16
  limit-resource m4route-mem minimum 58 maximum 58
  limit-resource m6route-mem minimum 8 maximum 8

interface mgmt0
  ip address 10.193.73.138/21

interface data0
  ip address 192.168.129.2/24
  line console
  boot kickstart bootflash:/ks.bin sup-1
  boot system bootflash:/sys.bin sup-1
  boot kickstart bootflash:/ks.bin sup-2
  boot system bootflash:/sys.bin sup-2
  ha-pair id 1292

security-profile sp1
  policy p1
  rule r1
    action 1 permit
  policy p1
    rule r1 order 10
vnm-policy-agent
  registration-ip 0.0.0.0
  shared-secret *****
  log-level

vsg#

```

Related Commands

Command	Description
show startup-config	Displays the startup configuration.

Send document comments to vsg-docfeedback@cisco.com.

show service-path connection

To display service path connection information, use the **show service-path connection** command.

show service-path connection [**svs-domain-id** *domain-id* [**module** *module-number*]]

Syntax Description		
svs-domain-id	(Optional)	Specifies the SVS domain.
<i>domain-id</i>		Domain identification number. The range is from 1 to 4095.
module	(Optional)	Specifies the module.
<i>module-number</i>		Module number. The range is from 3 to 66.

Defaults None

Command Modes EXEC
Global configuration

SupportedUserRoles network-admin
network-operator

Command History	Release	Modification
	4.2(1)VSG1(2)	This command was modified to show more organization and detail.
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show service-path connection** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

Examples This example shows how to display service path connections:

```
vsg# show service-path connection
Flags:
P - policy at src                p - policy at dst
O - conn offloaded to ser-path at src  o - conn offloaded to ser-path at dst
S - seen syn from src            s - seen syn from dst
A - seen ack for syn/fin from src     a - seen ack for syn/fin from dst
F - seen fin from src             f - seen fin from dst
R - seen rst from src            r - seen rst from dst
E - tcp conn established (SasA done)  T - tcp conn torn down (FafA done)

#SVS Domain   23   Module   5
```

■ `show service-path connection`

Send document comments to vsg-docfeedback@cisco.com.

```

Proto SrcIP[:Port]          DstIP[:Port]          VLAN Action Flags
tcp   100.1.1.70:32785     100.1.1.80:80         53 permit PpOoF
icmp  100.1.1.80          100.1.1.70           53 permit PpOo
tcp   100.1.1.70:32792     100.1.1.80:80         53 permit PpOo

```

vsg#

Related Commands

Command	Description
<code>show svcs</code>	Displays SVS information.

[Send document comments to vsg-docfeedback@cisco.com.](mailto:vsg-docfeedback@cisco.com)

show service-path statistics

To display service path statistics, use the **show service-path statistics** command.

show service-path statistics [*svs-domain-id* *domain-id* [**module** *module-number*]]

Syntax Description	svs-domain-id	(Optional) Specifies the SVS domain.
	<i>domain-id</i>	Domain identification number. The range is from 1 to 4095.
	module	(Optional) Specifies the module.
	<i>module-number</i>	Module number. The range is from 3 to 66.

Defaults None

Command Modes EXEC
Global configuration

SupportedUserRoles network-admin
network-operator

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show service-path statistics** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

Examples This example shows how to display service path statistics:

```
vsg# show service-path statistics
Input Packet          31056  Output Packet          31056
Active Flows          0
Flow Create           15520  Flow Destroy           15520
Input Packet Drop    0
SP Packet Drop        0
Input mode            Signal  Input mode change fail 0
Input signal mode    1
PE Corrupted Packet  0
RSH Corrupted Packet 0
Buffer Free Fail     0
Vpath Frag Packet    0
Vpath Inst Frag      0
Output Packet Drop   0
Corrupted Packet     0
Input interrupt mode 0
FTP Corrupted Packet 0
TFTP Corrupted Packet 0
```

■ show service-path statistics

Send document comments to vsg-docfeedback@cisco.com.

```

IPV4 Frag Packet          0  IPV4 Inst Frag          0
Aged Vpath Frag Packet   0  Vpath Frag Packet Drop  0
Aged IPV4 Frag Packet    0  IPV4 Frag Packet Drop   0
Bad Vpath Frag           0  Bad IPV4 Frag           0
Vpath Frag/Package Exceed 0  IPV4 Frag/Package Exceed 0
Total Frag Inst Exceed   0

SVS Domain    61  Module    3
  Input Packet 31056 Output Packet 31056
  Flow Create  15520 Flow Destroy 15520
  Packet Drop           0

vsg#

```

Related Commands

Command	Description
show svcs	Displays SVS information.

Send document comments to vsg-docfeedback@cisco.com.

show snmp

To display Simple Network Management Protocol (SNMP) information, use the **show snmp** command.

```
show snmp [community | context | engineID | group | host | internal | sessions | source-interface
          | trap | user]
```

Syntax	Description
community	(Optional) Displays SNMP community strings.
context	(Optional) Displays SNMP context mapping entries.
engineID	(Optional) Displays the SNMP engine ID.
group	(Optional) Displays SNMP groups.
host	(Optional) Displays SNMP hosts.
internal	(Optional) Displays internal SNMP information.
sessions	(Optional) Displays SNMP sessions.
source-interface	(Optional) Displays the notifications source interface.
trap	(Optional) Displays SNMP traps.
user	(Optional) Displays SNMPv3 users.

Defaults None

Command Modes EXEC
Global configuration

Supported User Roles network-admin
network-operator

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show snmp** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

Examples This example shows how to display SNMP users:

```
vsg# show snmp user
```

■ show snmp

Send document comments to vsg-docfeedback@cisco.com.

```

SNMP USERS
-----
User                               Auth  Priv(enforce) Groups
-----
NOTIFICATION TARGET USERS (configured for sending V3 Inform)
-----
User                               Auth  Priv
-----
admin                               md5   des
(EngineID 128:0:0:9:3:0:0:0:0:0)

vsnbetauser                         md5   des
(EngineID 128:0:0:9:3:0:0:0:0:0)

vsg#

```

Related Commands

Command	Description
snmp-server	Configures the SNMP server.

Send document comments to vsg-docfeedback@cisco.com.

show sockets

To display socket information, use the **show sockets** command.

show sockets { **client** | **connection** | **internal** | **statistics** }

Syntax	Description
client	Displays client socket information.
connection	Displays socket connections information.
internal	Displays internal socket information.
statistics	Displays socket statistics.

Defaults None

Command Modes EXEC
Global configuration

Supported User Roles network-admin
network-operator

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show sockets** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

Examples This example shows how to display socket statistics:

```
vsg# show sockets statistics
TCP Received:
  43556 packets total
  0 checksum error, 0 bad offset, 0 too short, 0 MD5 error
  33557 packets (1428824 bytes) in sequence
  435 duplicate packets (8296 bytes)
  0 partially dup packets (0 bytes)
  141 out-of-order packets (7736 bytes)
  0 packets (0 bytes) with data after window
  1 packets after close
  0 window probe packets, 0 window update packets
```

Send document comments to vsg-docfeedback@cisco.com.

```

470 duplicate ack packets, 0 ack packets with unsent data
17669 ack packets (1759693 bytes)
TCP Sent:
20950 total, 0 urgent packets
20 control packets
20057 data packets (1759592 bytes)
5 data packets (736 bytes) retransmitted
809 ack only packets
0 window probe packets, 59 window update packets
TCP:
0 connections initiated, 129 connections accepted, 129 connections established
129 connections closed (including 107 dropped, 0 embryonic dropped)
4 total rxmt timeout, 0 connections dropped in rxmt timeout
40 keepalive timeout, 40 keepalive probe, 0 connections dropped in keepalive
vsg#

```

Related Commands

Command	Description
show interface	Displays information about interfaces.

Send document comments to vsg-docfeedback@cisco.com.

show ssh

To display secure shell (SSH) information, use the **show ssh** command.

```
show ssh {key | name | server}
```

Syntax	Description
key	Displays the SSH keys.
name	Displays the preestablished master SSH connections.
server	Displays the status of SSH on the server.

Defaults None

Command Modes EXEC
Global configuration

Supported User Roles network-admin
network-operator

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show ssh** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

Examples This example shows how to display the SSH keys:

```
vsg# show ssh key
*****
rsa Keys generated:Fri Oct  8 16:49:02 2010

ssh-rsa AAAAB3NzaC1yc2EAAAABIwAAAQEAtL6+T2oK41T1edlXus/eY6FChVxGdDA1T9B3pC06MWst
6+Wh4Sw3Ibpoe2uIuZE9qZj1nKLMWkReu1o1XLCJlGG3QjkVUA2CMLYP6o/+fUoMZIPSyQFQk+3JwTFu
UR7uaa6OkATAr35unSnaHPKkYyv7C2S+I/H2ni1Y+Gbnv9D2tjjsFJIOMIeIa8w5EEdedMSnxOYg9ym
9rV+Jq148mvs1AKo23eSkzJT2grZu6z3d8DboiEHvrkPR/8Dwum9BXX7pM9p4813Dae51RuW92H/wRqs
v0u6Cyex6c6uE2f3jo4yU4tOMTCbyu2O+1Xz/AsmM+gUZ1CvxrHhHgHpqw==

bitcount:2048
fingerprint:
1d:1f:75:3c:6b:41:32:c8:0a:87:40:56:10:cb:2b:e9
```

■ show ssh

Send document comments to vsg-docfeedback@cisco.com.

```
*****
could not retrieve dsa key information
*****
vsg#
```

Related Commands

Command	Description
show telnet	Displays the Telnet server configuration.

Send document comments to vsg-docfeedback@cisco.com.

show startup-config

To display startup configurations, use the **show startup-config** command.

```
show startup-config [aaa | am | arp | cdp | cert-enroll | exclude | expand-port-profile | icmpv6 |
igmp | interface | ip | l3vm | log | monitor | ntp | security | snmp | vdc-all | vshd]
```

Syntax	Description
aaa	(Optional) Displays the authentication, authorization, and accounting (AAA) configuration.
am	(Optional) Displays AM information.
arp	(Optional) Displays Address Resolution Protocol (ARP) information.
cdp	(Optional) Displays the Cisco Discovery Protocol (CDP) configuration.
cert-enroll	(Optional) Displays the certificates configuration.
diff	(Optional) Displays the difference between running configuration and startup configuration.
expand-port-profile	(Optional) Displays the port profile.
icmpv6	(Optional) Displays Internet Control Message Protocol Version 6 (ICMPv6) information.
igmp	(Optional) Displays Internet Group Management Protocol (IGMP) information.
interface	(Optional) Displays interface configurations.
ip	(Optional) Displays IP information.
l3vm	(Optional) Displays Layer 3 Virtual Machine information.
log	(Optional) Displays the execution log of the latest ASCII startup configuration.
monitor	(Optional) Configures Ethernet Switched Port Analyzer (SPAN) sessions.
ntp	(Optional) Displays Network Time Protocol (NTP) information.
security	(Optional) Displays the security configuration.
snmp	(Optional) Displays the Simple Network Management Protocol (SNMP) configuration.
vdc-all	(Optional) Displays the Virtual Device Context (VDC) configuration.
vshd	(Optional) Displays the running configuration for VSHD.

Defaults None

Command Modes EXEC
Global configuration

Supported User Roles network-admin
network-operator

Send document comments to vsg-docfeedback@cisco.com.

Command History

Release	Modification
4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines

You can use the following operators with the **show startup-config** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

Examples

This example shows how to display the startup configuration:

```
vsg# show startup-config
Sap 106 returned failure code:0x80480002

!Command: show startup-config
!Time: Wed Feb 23 12:52:55 2011
!Startup config saved at: Tue Nov 30 19:23:55 2010

version 4.2(1)VSG1(1)
ip domain-lookup
ip domain-lookup
switchname VSG129-2
snmp-server user admin auth md5 0x49381b1f90fcb52a70b55a0bbf05d032 priv 0x49381b
1f90fcb52a70b55a0bbf05d032 localizedkey engineID 128:0:0:9:3:0:0:0:0:0
snmp-server user vsnbetauser auth md5 0x272e8099cab7365fd1649d351b953884 priv 0x
272e8099cab7365fd1649d351b953884 localizedkey engineID 128:0:0:9:3:0:0:0:0:0

vrf context management
  ip route 0.0.0.0/0 10.193.72.1
vlan 1
port-channel load-balance ethernet source-mac
port-profile default max-ports 32

vdc VSG129-2 id 1
  limit-resource vlan minimum 16 maximum 2049
  limit-resource monitor-session minimum 0 maximum 2
  limit-resource vrf minimum 16 maximum 8192
  limit-resource port-channel minimum 0 maximum 768
  limit-resource u4route-mem minimum 32 maximum 32
  limit-resource u6route-mem minimum 16 maximum 16
  limit-resource m4route-mem minimum 58 maximum 58
  limit-resource m6route-mem minimum 8 maximum 8

interface mgmt0
  ip address 10.193.73.138/21

interface data0
  ip address 192.168.129.2/24
  ip address 192.168.129.2/24

interface data0
  ip address 192.168.129.2/24
  ip address 192.168.129.2/24
line console
boot kickstart bootflash:/ks.bin sup-1
boot system bootflash:/sys.bin sup-1
boot kickstart bootflash:/ks.bin sup-2
```

Send document comments to vsg-docfeedback@cisco.com.

```
boot system bootflash:/sys.bin sup-2
  ha-pair id 1292

security-profile sp1
  policy p1
  rule r1
    action 1 permit
  policy p1
    rule r1 order 10
vnm-policy-agent
  registration-ip 0.0.0.0
  shared-secret *****
  log-level

vsg#
```

Related Commands

Command	Description
show running-config	Displays the running configuration.

Send document comments to vsg-docfeedback@cisco.com.

show system

To display system information, use the **show system** command.

```
show ssh { clis | cores | error-id | exception-info | internal | pss | redundancy | resources | standby
          | uptime }
```

Syntax	Description
clis	Displays the command line interface (CLI) server.
cores	Displays the core transfer option.
error-id	Displays the system errors.
exception-info	Displays the exception log.
internal	Displays the internal system information.
pss	Displays the most recent PSS shrink status.
redundancy	Displays the redundancy status.
resources	Displays the system resources.
standby	Displays the system standby manual boot option.
uptime	Displays how long the system has been up and running.

i

Defaults None

Command Modes EXEC
Global configuration

Supported User Roles network-admin
network-operator

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show system** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

Examples This example shows how to display system resources:

```
vsg# show system resources
```

Send document comments to vsg-docfeedback@cisco.com.

```
Load average:  1 minute: 0.22   5 minutes: 0.28   15 minutes: 0.12
Processes   : 245 total, 2 running
CPU states  : 0.0% user,   0.0% kernel, 100.0% idle
Memory usage: 1944668K total, 1041116K used, 903552K free
              71456K buffers, 398416K cache
```

vsg#

Related Commands

Command	Description
show hardware	Displays hardware information.

Send document comments to vsg-docfeedback@cisco.com.

show tech-support

To display information about technical support, use the **show tech-support** command.

```
show tech-support [adjmgr | arp | bootvar | brief | cert-enroll | cli | clis | details | dhcp | epp |
ethport | ha | icmpv6 | im | include-time | internal | ip | ipv6 | l3vm | module | npacl | ntp |
pktmgr | platform | port | port-channel | routing | snmp | sockets | sys-mgr | time-optimized
| vdc | vsd | xml]
```

Syntax	Description
adjmgr	(Optional) Displays Adjacency manager information.
arp	(Optional) Displays Address Resolution Protocol (ARP) information.
bootvar	(Optional) Displays detailed information about boot variables.
brief	(Optional) Displays a system summary.
cert-enroll	(Optional) Displays certificate information.
cli	(Optional) Displays information about the parser.
clis	(Optional) Displays information about the command line interface (CLI) server.
details	(Optional) Displays detailed information about troubleshooting.
dhcp	(Optional) Displays detailed information about Dynamic Host Configuration Protocol (DHCP).
epp	(Optional) Displays detailed information about EPP.
ethport	(Optional) Displays detailed information about the Eth port.
ha	(Optional) Displays detailed information about High Availability (HA).
icmpv6	(Optional) Displays information about ICMPv6.
im	(Optional) Displays detailed information about IM.
include-time	(Optional) Displays the time it took to gather technical support information.
internal	(Optional) Displays internal troubleshooting information.
ip	(Optional) Displays IP information.
ipv6	(Optional) Displays IPv6 information.
l3vm	(Optional) Display virtual routing and forwarding (VRF) information.
module	(Optional) Displays information about modules.
npacl	(Optional) Displays information about NPACL.
ntp	(Optional) Displays information about Network Time Protocol (NTP).
pktmgr	(Optional) Displays packet manager information.
platform	(Optional) Displays platform information.
port	(Optional) Displays port manager information.
port-channel	(Optional) Displays port channel information.
routing	(Optional) Displays information about routing.
snmp	(Optional) Displays information about Simple Network Management Protocol (SNMP).
sockets	(Optional) Displays information about sockets.
sys-mgr	(Optional) Displays information about system manager.
time-optimized	(Optional) Gather tech-support faster, requires more memory and disk space.

Send document comments to vsg-docfeedback@cisco.com.

vdc	(Optional) Displays information about Virtual Device Context (VDC).
vsd	(Optional) Displays information about VSD.
xml	(Optional) Displays information about XML.

Defaults None

Command Modes EXEC
Global configuration

SupportedUserRoles network-admin
network-operator

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show tech-support** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

When you execute a show command that displays a long list of data, you can press **Ctrl+c** at any time to exit that list.

Examples This example shows how to display HA information:

```
VSG129-2# show tech-support ha
`show system internal sysmgr event-history msgs`
1) Event:E_MTS_RX, length:60, at 12198 usecs after Thu Feb 24 11:38:48 2011
   [REQ] Opc:MTS_OPC_SDWRAP_DEBUG_DUMP(1530), Id:0X02ECF618, Ret:SUCCESS
   Src:0x00000101/39469, Dst:0x00000101/3, Flags:None
   HA_SEQNO:0X00000000, RRtoken:0x02ECF618, Sync:UNKNOWN, Payloadsize:216
   Payload:
   0x0000: 01 00 2f 74 6d 70 2f 64 62 67 64 75 6d 70 31 32

2) Event:E_MTS_RX, length:44, at 952704 usecs after Thu Feb 24 11:38:47 2011
   [REQ] Opc:MTS_OPC_SYSMGR_ENNVAR_NON_SYSMGR_SRV_GET(2653), Id:0X02ECF601, Ret
   :SUCCESS
   Src:0x00000101/39467, Dst:0x00000101/3, Flags:None
   HA_SEQNO:0X00000000, RRtoken:0x02ECF601, Sync:UNKNOWN, Payloadsize:0

3) Event:E_MTS_RX, length:44, at 504521 usecs after Thu Feb 24 11:38:39 2011
   [REQ] Opc:MTS_OPC_SYSMGR_ENNVAR_NON_SYSMGR_SRV_GET(2653), Id:0X02ECF494, Ret
   :SUCCESS
   Src:0x00000101/39441, Dst:0x00000101/3, Flags:None
   HA_SEQNO:0X00000000, RRtoken:0x02ECF494, Sync:UNKNOWN, Payloadsize:0
```

Send document comments to vsg-docfeedback@cisco.com.

```

4) Event:E_MTS_RX, length:60, at 824041 usecs after Thu Feb 24 11:38:18 2011
   [REQ] Opc:MTS_OPC_SYSMGR_CLI_SHOW_INTERNAL_STATE(1386), Id:0X02ECF0FB, Ret:S
   UCESS
   Src:0x00000101/39438, Dst:0x00000101/3, Flags:None
   HA_SEQNO:0X00000000, RRtoken:0x02ECF0FB, Sync:UNKNOWN, Payloadsize:624
   Payload:
   0x0000: 00 00 00 01 00 00 02 00 00 00 00 00 00 00 00
5) Event:E_MTS_RX, length:60, at 823997 usecs after Thu Feb 24 11:38:18 2011
   [REQ] Opc:MTS_OPC_SYSMGR_CLI_SHOW_REDUNDANCY_STATUS(2499), Id:0X02ECF0F9, Re
   t:SUCCESS
   Src:0x00000101/39438, Dst:0x00000101/3, Flags:None
   HA_SEQNO:0X00000000, RRtoken:0x02ECF0F9, Sync:UNKNOWN, Payloadsize:112
   Payload:
   0x0000: 00 00 00 01 00 00 00 00 00 00 00 00 00 00 00
6) Event:E_MTS_RX, length:44, at 823918 usecs after Thu Feb 24 11:38:18 2011
   [REQ] Opc:MTS_OPC_SYSMGR_SCOPE_DONE(2476), Id:0X02ECF0F7, Ret:SUCCESS
   Src:0x00000101/39438, Dst:0x00000101/3, Flags:None
   HA_SEQNO:0X00000000, RRtoken:0x02ECF0F7, Sync:UNKNOWN, Payloadsize:0
7) Event:E_MTS_RX, length:60, at 819079 usecs after Thu Feb 24 11:38:18 2011
   [REQ] Opc:MTS_OPC_SYSMGR_CLI_SHOW_INTERNAL_STATE(1386), Id:0X02ECF0F5, Ret:S
   UCESS
   Src:0x00000101/39437, Dst:0x00000101/3, Flags:None
   HA_SEQNO:0X00000000, RRtoken:0x02ECF0F5, Sync:UNKNOWN, Payloadsize:624
   Payload:
   0x0000: 00 00 00 01 00 00 02 00 00 00 00 00 00 00 00
8) Event:E_MTS_RX, length:60, at 819034 usecs after Thu Feb 24 11:38:18 2011
   [REQ] Opc:MTS_OPC_SYSMGR_CLI_SHOW_REDUNDANCY_STATUS(2499), Id:0X02ECF0F3, Re
   t:SUCCESS
   Src:0x00000101/39437, Dst:0x00000101/3, Flags:None
   HA_SEQNO:0X00000000, RRtoken:0x02ECF0F3, Sync:UNKNOWN, Payloadsize:112
   Payload:
   0x0000: 00 00 00 01 00 00 00 00 00 00 00 00 00 00 00
9) Event:E_MTS_RX, length:44, at 818960 usecs after Thu Feb 24 11:38:18 2011
   [REQ] Opc:MTS_OPC_SYSMGR_SCOPE_DONE(2476), Id:0X02ECF0F1, Ret:SUCCESS
   Src:0x00000101/39437, Dst:0x00000101/3, Flags:None
   HA_SEQNO:0X00000000, RRtoken:0x02ECF0F1, Sync:UNKNOWN, Payloadsize:0
10) Event:E_MTS_RX, length:60, at 814417 usecs after Thu Feb 24 11:38:18 2011
   [REQ] Opc:MTS_OPC_SYSMGR_CLI_SHOW_INTERNAL_STATE(1386), Id:0X02ECF0EF, Ret:S
   UCESS
   Src:0x00000101/39436, Dst:0x00000101/3, Flags:None
   HA_SEQNO:0X00000000, RRtoken:0x02ECF0EF, Sync:UNKNOWN, Payloadsize:624
   Payload:
   0x0000: 00 00 00 01 00 00 02 00 00 00 00 00 00 00 00
11) Event:E_MTS_RX, length:60, at 814364 usecs after Thu Feb 24 11:38:18 2011
   [REQ] Opc:MTS_OPC_SYSMGR_CLI_SHOW_REDUNDANCY_STATUS(2499), Id:0X02ECF0ED, Re
   t:SUCCESS
   Src:0x00000101/39436, Dst:0x00000101/3, Flags:None
   HA_SEQNO:0X00000000, RRtoken:0x02ECF0ED, Sync:UNKNOWN, Payloadsize:112
   Payload:
   0x0000: 00 00 00 01 00 00 00 00 00 00 00 00 00 00 00
12) Event:E_MTS_RX, length:44, at 814283 usecs after Thu Feb 24 11:38:18 2011
   [REQ] Opc:MTS_OPC_SYSMGR_SCOPE_DONE(2476), Id:0X02ECF0EB, Ret:SUCCESS
   Src:0x00000101/39436, Dst:0x00000101/3, Flags:None
   HA_SEQNO:0X00000000, RRtoken:0x02ECF0EB, Sync:UNKNOWN, Payloadsize:0

```


Send document comments to vsg-docfeedback@cisco.com.

- 13) Event:E_MTS_RX, length:44, at 800624 usecs after Thu Feb 24 11:38:18 2011
[REQ] Opc:MTS_OPC_SYSMGR_ENNVAR_NON_SYSMGR_SRV_GET(2653), Id:0X02ECF0D3, Ret:
:SUCCESS
Src:0x00000101/39435, Dst:0x00000101/3, Flags:None
HA_SEQNO:0X00000000, RRtoken:0x02ECF0D3, Sync:UNKNOWN, Payloadsize:0
- 14) Event:E_MTS_RX, length:48, at 37941 usecs after Thu Feb 24 11:37:00 2011
[RSP] Opc:MTS_OPC_EEM_CFG_SYNC(1701), Id:0X02ECEAC3, Ret:SUCCESS
Src:0x00000101/342, Dst:0x00000101/3, Flags:None
HA_SEQNO:0X00000000, RRtoken:0x02ECEA4B, Sync:UNKNOWN, Payloadsize:4
Payload:
0x0000: 00 00 00 00
- 15) Event:E_MTS_RX, length:48, at 37931 usecs after Thu Feb 24 11:37:00 2011
[RSP] Opc:MTS_OPC_EEM_CFG_SYNC(1701), Id:0X02ECEAC2, Ret:SUCCESS
Src:0x00000101/342, Dst:0x00000101/3, Flags:None
HA_SEQNO:0X00000000, RRtoken:0x02ECEA4A, Sync:UNKNOWN, Payloadsize:4
Payload:
0x0000: 00 00 00 00
- 16) Event:E_MTS_RX, length:48, at 37921 usecs after Thu Feb 24 11:37:00 2011
[RSP] Opc:MTS_OPC_EEM_CFG_SYNC(1701), Id:0X02ECEAC1, Ret:SUCCESS
Src:0x00000101/342, Dst:0x00000101/3, Flags:None
HA_SEQNO:0X00000000, RRtoken:0x02ECEA49, Sync:UNKNOWN, Payloadsize:4
Payload:
0x0000: 00 00 00 00
- 17) Event:E_MTS_RX, length:48, at 37910 usecs after Thu Feb 24 11:37:00 2011
[RSP] Opc:MTS_OPC_EEM_CFG_SYNC(1701), Id:0X02ECEAC0, Ret:SUCCESS
Src:0x00000101/342, Dst:0x00000101/3, Flags:None
HA_SEQNO:0X00000000, RRtoken:0x02ECEA48, Sync:UNKNOWN, Payloadsize:4
Payload:
0x0000: 00 00 00 00
- 18) Event:E_MTS_RX, length:48, at 37900 usecs after Thu Feb 24 11:37:00 2011
[RSP] Opc:MTS_OPC_EEM_CFG_SYNC(1701), Id:0X02ECEABF, Ret:SUCCESS
Src:0x00000101/342, Dst:0x00000101/3, Flags:None
HA_SEQNO:0X00000000, RRtoken:0x02ECEA47, Sync:UNKNOWN, Payloadsize:4
Payload:
0x0000: 00 00 00 00
- 19) Event:E_MTS_RX, length:48, at 37890 usecs after Thu Feb 24 11:37:00 2011
[RSP] Opc:MTS_OPC_EEM_CFG_SYNC(1701), Id:0X02ECEABE, Ret:SUCCESS
Src:0x00000101/342, Dst:0x00000101/3, Flags:None
HA_SEQNO:0X00000000, RRtoken:0x02ECEA46, Sync:UNKNOWN, Payloadsize:4
Payload:
0x0000: 00 00 00 00
- 20) Event:E_MTS_RX, length:48, at 37880 usecs after Thu Feb 24 11:37:00 2011
[RSP] Opc:MTS_OPC_EEM_CFG_SYNC(1701), Id:0X02ECEABD, Ret:SUCCESS
Src:0x00000101/342, Dst:0x00000101/3, Flags:None
HA_SEQNO:0X00000000, RRtoken:0x02ECEA45, Sync:UNKNOWN, Payloadsize:4
Payload:
0x0000: 00 00 00 00
- 21) Event:E_MTS_RX, length:48, at 37870 usecs after Thu Feb 24 11:37:00 2011
[RSP] Opc:MTS_OPC_EEM_CFG_SYNC(1701), Id:0X02ECEABC, Ret:SUCCESS
Src:0x00000101/342, Dst:0x00000101/3, Flags:None
HA_SEQNO:0X00000000, RRtoken:0x02ECEA44, Sync:UNKNOWN, Payloadsize:4
Payload:
0x0000: 00 00 00 00
- 22) Event:E_MTS_RX, length:48, at 37860 usecs after Thu Feb 24 11:37:00 2011
[RSP] Opc:MTS_OPC_EEM_CFG_SYNC(1701), Id:0X02ECEABB, Ret:SUCCESS

Send document comments to vsg-docfeedback@cisco.com.

```

Src:0x00000101/342, Dst:0x00000101/3, Flags:None
HA_SEQNO:0X00000000, RRtoken:0x02ECEA43, Sync:UNKNOWN, Payloadsize:4
Payload:
0x0000:  00 00 00 00

23) Event:E_MTS_RX, length:48, at 37850 usecs after Thu Feb 24 11:37:00 2011
[RSP] Opc:MTS_OPC_EEM_CFG_SYNC(1701), Id:0X02ECEABA, Ret:SUCCESS
Src:0x00000101/342, Dst:0x00000101/3, Flags:None
HA_SEQNO:0X00000000, RRtoken:0x02ECEA42, Sync:UNKNOWN, Payloadsize:4
Payload:
0x0000:  00 00 00 00

24) Event:E_MTS_RX, length:48, at 37840 usecs after Thu Feb 24 11:37:00 2011
[RSP] Opc:MTS_OPC_EEM_CFG_SYNC(1701), Id:0X02ECEAB9, Ret:SUCCESS
Src:0x00000101/342, Dst:0x00000101/3, Flags:None
HA_SEQNO:0X00000000, RRtoken:0x02ECEA41, Sync:UNKNOWN, Payloadsize:4
Payload:
0x0000:  00 00 00 00

25) Event:E_MTS_RX, length:48, at 37830 usecs after Thu Feb 24 11:37:00 2011
[RSP] Opc:MTS_OPC_EEM_CFG_SYNC(1701), Id:0X02ECEAB8, Ret:SUCCESS
Src:0x00000101/342, Dst:0x00000101/3, Flags:None
HA_SEQNO:0X00000000, RRtoken:0x02ECEA40, Sync:UNKNOWN, Payloadsize:4
Payload:
0x0000:  00 00 00 00

26) Event:E_MTS_RX, length:48, at 37820 usecs after Thu Feb 24 11:37:00 2011
[RSP] Opc:MTS_OPC_EEM_CFG_SYNC(1701), Id:0X02ECEAB7, Ret:SUCCESS
Src:0x00000101/342, Dst:0x00000101/3, Flags:None
HA_SEQNO:0X00000000, RRtoken:0x02ECEA3F, Sync:UNKNOWN, Payloadsize:4
Payload:
0x0000:  00 00 00 00

27) Event:E_MTS_RX, length:48, at 37808 usecs after Thu Feb 24 11:37:00 2011
[RSP] Opc:MTS_OPC_EEM_CFG_SYNC(1701), Id:0X02ECEAB6, Ret:SUCCESS
Src:0x00000101/342, Dst:0x00000101/3, Flags:None
HA_SEQNO:0X00000000, RRtoken:0x02ECEA3E, Sync:UNKNOWN, Payloadsize:4
Payload:
0x0000:  00 00 00 00
vsg#

```

Related Commands

Command	Description
show debug	Displays debug flags.

Send document comments to vsg-docfeedback@cisco.com.

show telnet server

To display the status of Telnet services, use the **show telnet** command.

show telnet server

Syntax Description This command has no arguments or keywords.

Defaults None

Command Modes EXEC
Global configuration

SupportedUserRoles network-admin
network-operator

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show telnet server** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

Examples This example shows how to display the status of Telnet services:

```
vsg# show telnet server
telnet service not enabled
vsg#
```

Related Commands	Command	Description
	show http	Displays the status of HTTP services.

Send document comments to vsg-docfeedback@cisco.com.

show terminal

To display information about the terminal, use the **show terminal** command.

show terminal [**internal**]

Syntax Description	internal	(Optional) Displays internal terminal information.
--------------------	----------	--

Defaults	None
----------	------

Command Modes	EXEC Global configuration
---------------	------------------------------

SupportedUserRoles	network-admin network-operator
--------------------	-----------------------------------

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines	<p>You can use the following operators with the show terminal command:</p> <ul style="list-style-type: none"> >—Redirects the output to a file. >>—Redirects the output to a file in append mode. —Pipes the command output to a filter.
------------------	--

Examples	This example shows how to display information about the terminal:
----------	---

```
VSG129-2# show terminal internal info
Process info:
Name:   vsh
State:  R (running)
SleepAVG:      88%
Tgid:   4157
Pid:    4157
PPid:   4156
TracerPid:    0
Uid:    2002   2002   2002   2002
Gid:    503   503   503   503
FDSize: 256
Groups: 503
VmSize: 31080 kB
VmLck:  0 kB
VmRSS:  9208 kB
VmData: 1140 kB
```

Send document comments to vsg-docfeedback@cisco.com.

```

VmStk:          84 kB
VmExe:          44 kB
VmLib:         13664 kB
VmPTE:          48 kB
Threads:        1
SigPnd: 0000000000000000
ShdPnd: 0000000000000000
SigBlk: 0000001000000000
SigIgn: 0000000000300004
SigCgt: 0000000180007002
CapInh: 0000000000000000
CapPrm: 0000000000000000
CapEff: 0000000000000000

```

```

Memory limits:
core file size      (blocks, -c) 146484
data seg size      (kbytes, -d) unlimited
file size          (blocks, -f) unlimited
max locked memory  (kbytes, -l) unlimited
max memory size    (kbytes, -m) unlimited
open files         (-n) 1024
pipe size          (512 bytes, -p) 8
stack size         (kbytes, -s) 8192
cpu time           (seconds, -t) unlimited
max user processes (-u) unlimited
virtual memory     (kbytes, -v) 204800
vsg#

```

Related Commands

Command	Description
show processes	Displays process information.

Send document comments to vsg-docfeedback@cisco.com.

show user-account

To display information about user accounts, use the **show user-account** command.

```
show user-account [user-account-name]
```

Syntax Description	
	<i>user-account-name</i> (Optional) User account name.

Defaults	
	None

Command Modes	
	EXEC Global configuration (config)

SupportedUserRoles	
	network-admin network-operator

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines	
	You can use the following operators with the show user-account command: <ul style="list-style-type: none"> • >—Redirects the output to a file. • >>—Redirects the output to a file in append mode. • —Pipes the command output to a filter.

Examples	
	This example shows how to display user accounts: <pre>vsg# show user-account user:adminbackup this user account has no expiry date roles: user:admin this user account has no expiry date roles:network-admin user:vsnbetauser this user account has no expiry date roles:network-admin vsg#</pre>

Related Commands	Command	Description
	show users	Displays current users.

Send document comments to vsg-docfeedback@cisco.com.

show users

To display users, use the **show users** command.

show users

Syntax Description This command has no arguments or keywords.

Defaults None

Command Modes EXEC
Global configuration (config)

SupportedUserRoles network-admin
network-operator

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show users** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

Examples This example shows how to display users:

```
vsg# show users
NAME      LINE      TIME          IDLE          PID COMMENT
admin     pts/0     Jan 21 17:19  old          3021 (171.69.17.61) session=ssh
admin     pts/29    Feb 23 11:13  .            4157 (10.21.145.11) session = ssh *
vsg#
```

Related Commands	Command	Description
	show user-account	Displays information about user accounts.

Send document comments to vsg-docfeedback@cisco.com.

show version

To display the software version, use the **show version** command.

```
show version [build-info | image | internal]
```

Syntax Description	build-info	(Optional) Displays software build information.
	image	(Optional) Displays software image information.
	internal	(Optional) Displays software compatibility results between two images.

Defaults	None
----------	------

Command Modes	EXEC Global configuration (config)
---------------	---------------------------------------

SupportedUserRoles	network-admin network-operator
--------------------	-----------------------------------

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show version** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

Examples This example shows how to display software build information:

```
vsg# show version build-info
```

Related Commands	Command	Description
	show install	Displays the software install impact between two images.

Send document comments to vsg-docfeedback@cisco.com.

show vnm-pa

To display the Virtual Network Management Center (VNMC) policy agent, use the **show vnm-pa** command.

show vnm-pa [**status** | **tech-support**]

Syntax Description	
status	(Optional) Displays the policy agent status.
tech-support	(Optional) Displays technical support information.

Defaults None

Command Modes EXEC
Global configuration

SupportedUserRoles network-admin
network-operator

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show vnm-pa** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

Examples This example shows how to display the policy agent status:

```
vsg# show vnm-pa status
VNM Policy-Agent status is - Not Installed
vsg#
```

Related Commands	Command	Description
	show vsg	Displays Cisco VSG information.

Send document comments to vsg-docfeedback@cisco.com.

show vsg dvport

To display information about a Cisco VSG DV port, use the **show vsg dvport** command.

```
show vsg [dvport [port-name]]
```

Syntax Description	<i>port-name</i>	(Optional) DV port name.
--------------------	------------------	--------------------------

Defaults	None
----------	------

Command Modes	EXEC Global configuration
---------------	------------------------------

SupportedUserRoles	network-admin network-operator
--------------------	-----------------------------------

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines	You can use the following operators with the show vsg dvport command:
------------------	--

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

Examples	This example shows how to display information about a DV port:
----------	--

```
vsg# show vsg dvport
DV Port      : 576::bcaa1c50-8747-8d08-fe7e-a9aa8924bf8e
Security Profile : spcustom
VM uuid      : 421c5ae4-51c3-5dd9-60fa-a50cb04ed0ea
Port Profile  : vm_data
IP Addresses :
  100.1.1.20
  100.1.1.10
vsg#
```

Related Commands	Command	Description
	show vsg ip-binding	Displays information about IP bindings.

Send document comments to vsg-docfeedback@cisco.com.

show vsg ip-binding

To display a list of virtual machine (VM) IP addresses and associated VNSP and policy sets, use the **show vsg ip-binding** command.

show vsg ip-binding

Syntax Description This command has no arguments or keywords.

Defaults None

Command Modes EXEC
Global configuration

Supported User Roles network-admin
network-operator

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show vsg ip-binding** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

Examples This example shows how to display a list of VM IP addresses:

```
vsg# show vsg ip-binding
```

```
-----
VM IP address      Security-Profile Name      Policy Name
-----
100.1.1.20         spcustom                   policy_one
100.1.1.10         sp_new                     policy_one
vsg#
```

Related Commands	Command	Description
	show vsg security-profile	Displays information about security profiles.

■ show vsg security-profile

Send document comments to vsg-docfeedback@cisco.com.

show vsg security-profile

To display information about security profiles, use the **show vsg security-profile** command.

show security-profile [*vnspp-name* | **detail** | **table**]

Syntax Description	
<i>vnspp-name</i>	(Optional) Virtual network security profile (VNSP) name.
detail	(Optional) Displays more details about the VSG security profile.
table	(Optional) Displays security profile information.

Defaults None

Command Modes EXEC
Global configuration

SupportedUserRoles network-admin
network-operator

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show vsg security-profile** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

The detail version of the **show vsg security-profile** command includes the names of the virtual machines that are using the security-profile in addition to security-profile information. A VNSP name can be specified to get details of a specific security-profile.

Examples This example shows how to display detailed information about the security profile sp_deny@root:

```
vsg# show vsg security-profile sp_deny@root detail
VNSP           : sp_deny@root
VNSP id        : 5
Policy Name    : ps_deny@root
Policy id      : 3
Custom attributes :
  Name         : vnspporg
  Value        : root
  Name         : profile1
  Value        : eng
```

Send document comments to vsg-docfeedback@cisco.com.

```
Virtual Machines:  
sg-pg-vm206  
sg-pg-redhat
```

```
vsg#
```

Related Commands

Command	Description
show policy stats	Displays policy statistics.

Send document comments to vsg-docfeedback@cisco.com.

show vsg vm

To display information about a virtual machine (VM), use the **show vsg vm** command.

```
show vsg vm
```

Syntax Description This command has no arguments or keywords.

Defaults None

Command Modes EXEC
Global configuration

SupportedUserRoles network-admin
network-operator

Command History	Release	Modification
	4.2(1)VSG1(2)	This command was modified. Optional parameter <i>vm-uuid</i> was removed. New version of command does not accept any parameter and always displays information for all the virtual machines.
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines You can use the following operators with the **show vsg vm** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

Examples This example shows how to display information for the VSG VM:

```
vsn22# show vsg vm
VM uuid      : 421c5ae4-51c3-5dd9-60fa-a50cb04ed0ea
VM attributes :
  cluster-name      :
  host-name         : 10.193.73.154
  name              : win2k3

vsg#
```

Related Commands

Send document comments to vsg-docfeedback@cisco.com.

Command	Description
show vsg	Displays Cisco VSG information.

■ show vsg vm name

Send document comments to vsg-docfeedback@cisco.com.

show vsg vm name

To display the name information about a virtual machine (VM), use the **show vsg vm name** command.

show vsg vm name *name*

Syntax Description	<i>name</i>	The name or partial name of a virtual machine in your Cisco VSG network.
--------------------	-------------	--

Defaults	None
----------	------

Command Modes	EXEC Global configuration
---------------	------------------------------

SupportedUserRoles	network-admin network-operator
--------------------	-----------------------------------

Command History	Release	Modification
	4.2(1)VSG1(2)	This command was introduced.

Usage Guidelines You can use the following operators with the **show vsg vm name** command:

- >—Redirects the output to a file.
- >>—Redirects the output to a file in append mode.
- |—Pipes the command output to a filter.

This command displays information for one or more virtual machines. The virtual machine name should be specified as a parameter and can be a prefix (first few characters) or the entire name. The information for the VM includes details of each DV port used by the VM and zones that the VM belongs to.

Examples This example shows how to display information for the VSG VM with name linux-204:

```
vsg# show vsg vm name linux-204
VM uuid          : 421ceac2-3b3f-67f9-b71c-3755d2c8cabe
VM attributes :
  cluster-name   : cluster23
  host-name      : 10.193.77.204
  name           : linux-204-184
  os-fullname    : red hat enterprise linux 4 (32-bit)
  os-hostname    :
  res-pool       : resources
  tools-status   : not-installed
  vapp-name      :
DV Port(s) :
  DV Port       : 272::1c7b1c50-f1b7-9a71-259d-820f4713a4b1
```


Send document comments to vsg-docfeedback@cisco.com.

```

Security Profile           : SP-DC1@root/Cisco-Tenant1
Port Profile              : profile_App2
IP Addresses :
  20.100.201.184
DV Port                   : 240::1c7b1c50-f1b7-9a71-259d-820f4713a4b1
Security Profile         : SP-App1@root/Cisco-Tenant1
Port Profile              : profile_App1
IP Addresses :
  10.100.201.184
Zone(s) :
  zone_linux_204@root/Cisco-Tenant1

vsg#

```

Related Commands

Command	Description
show vsg	Displays Cisco VSG information.

Send document comments to vsg-docfeedback@cisco.com.

show vsg vm uuid

To display the Cisco VSG virtual machine UUID, use the **show vsg vm uuid** command.

```
show vsg vm uuid uuid
```

Syntax Description	<i>uuid</i>	Designates the name of the UUID.
--------------------	-------------	----------------------------------

Defaults	None
----------	------

Command Modes	EXEC Global configuration
---------------	------------------------------

SupportedUserRoles	network-admin network-operator
--------------------	-----------------------------------

Command History	Release	Modification
	4.2(1)VSG1(2)	This command was introduced.

Usage Guidelines	This command requires the VM UUID as a parameter. Information for the specified VM is displayed.
------------------	--

Examples This example shows how to display the Cisco VSG UUID information:

```
vsg# show vsg vm uuid 421cefd6-29d1-4c8e-e563-2c3a4d58cd31
VM uuid          : 421cefd6-29d1-4c8e-e563-2c3a4d58cd31
VM attributes :
  cluster-name      :
  host-name         : 10.193.77.206
  name              : linux-206-185
  os-fullname       : red hat enterprise linux 4 (32-bit)
  os-hostname       :
  resource-pool     : resource-pool1
  tools-status      : not-installed
  vapp-name         :
  Zone(s)           :
```

Related Commands	Command	Description
	show vsg	Displays Cisco VSG information.

Send document comments to vsg-docfeedback@cisco.com.

show vsg zone

To display the Cisco VSG zones, use the **show vsg zone** command.

```
show vsg zone
```

Syntax Description	This command has no keywords or arguments.
---------------------------	--

Defaults	None
-----------------	------

Command Modes	EXEC Global configuration
----------------------	------------------------------

SupportedUserRoles	network-admin network-operator
---------------------------	-----------------------------------

Command History	Release	Modification
	4.2(1)VSG1(2)	This command was introduced.

Examples This example shows how to display Cisco VSG zones:

```
vsg(config-vnm-policy-agent)# show vsg zone
Zone : centos5.3_2_VEM2@root/tenant_d3337/dc1
Virtual Machines :
  centos5.3_2_vem2
-----
Zone : tenant_3337_zonename1@root/tenant_d3337
Virtual Machines :
-----
Zone : deletetest@root/tenant_d3337
Virtual Machines :
  centos5.3_1
  centos5.3_vlan100
  centos5.3_2_vem2
  centos5.3_2_vem1
  win2003entr2-32_vlan150_100_split
  centos5.2
  centos5.3_1_vem2
  centos5.3_3_vem1_clone
  centos5.3_3_vem2_clone
```

Related Commands	Command	Description
	show vsg	Displays Cisco VSG information.

Send document comments to vsg-docfeedback@cisco.com.

show xml server

To display XML server information, use the **show xml server** command.

```
show xml server [logging | status]
```

Syntax	Description
logging	(Optional) Displays the logging configuration and the contents of the log file.
status	(Optional) Displays XML agent information.

Defaults	None
----------	------

Command Modes	EXEC Global configuration (config)
---------------	---------------------------------------

Supported User Roles	network-admin network-operator
----------------------	-----------------------------------

Command History	Release	Modification
	4.2(1)VSG1(1)	This command was introduced.

Usage Guidelines	<p>You can use the following operators with the show xml server command:</p> <ul style="list-style-type: none"> >—Redirects the output to a file. >>—Redirects the output to a file in append mode. —Pipes the command output to a filter.
------------------	--

Examples	This example shows how to display XML server information:
----------	---

```
vsg# show xml server status
operational status is enabled
maximum session configured is 8
vsg#
```

Related Commands	Command	Description
	show http-server	Displays the HTTP server configuration.