CHAPTER 3

Cisco Virtual Security Gateway Show Commands

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

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
	5.2.1VSG1(4.1)	This command was introduced.

show aaa

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
```

Related Commands	Command	Description
	password	Configures the password.

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
5.2.1VSG1(4.1)	This command was introduced.

Usage Guidelines   You can use the following operators with the **show ac-driver** 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 application container statistics:

```
vsg# show ac-driver statistics
#Packet Statistics:
Rcvd Total                    5510  Buffers in Use                 3188
  Rcvd vPath L2 Pkts          1140  Rcvd vPath IPV4 Pkts              0
  Rcvd VPath Pkts             1140  Sent to VPath                  1140
  Sent to Service-Path        1140  Sent to Control-Path           4370
  All Drops                      0
  Non-vPath LLC                  0  Non-vPath OUI                     0
  Non-vPath type L2              0
  Non-vPath IPV4                 0  Non-vPath IPV4 UDP                0
 Service-Path not Inited         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
```

Related Commands	Command	Description
	show vsg	Displays information about a Cisco VSG.

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	Displays the accounting log.
start-time	(Optional) Displays the date in the log the display will start.
year month day time	(Optional) Year, day and time. The range for *year* is from 1970 to 2030, and is in YYYY format. The values for *month* are **Jan**, **Feb**, **Mar**, **Apr**, **May**, **Jun**, **Jul**, **Aug**, **Sep**, **Oct**, **Nov**, or **Dec**. The range for *day* is from 1 to 31, and is in dd format. *time* is in HH:MM:SS.
end-time	(Optional) Displays 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
5.2.1VSG1(4.1)	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 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 accounting log:

```
vsg# show accounting log
Fri Jan 21 17:19:35 2013:update:171.69.17.61@pts/0:admin:dir (SUCCESS)
Fri Jan 21 17:23:36 2013:update:10.193.73.130@ssh.3115:vsnbetauser:test vnsp sp1
 1 (SUCCESS)
Fri Jan 21 17:24:04 2013:update:10.193.73.130@ssh.3120:vsnbetauser:test vnsp sp1
 1 (SUCCESS)
```

```
Mon Jan 24 12:50:23 2013:start:171.70.216.167@pts/1:admin:
Mon Jan 24 12:52:59 2013:update:171.70.216.167@pts/1:admin:configure (SUCCESS)
Mon Jan 24 12:55:46 2013:stop:171.70.216.167@pts/1:admin:shell terminated gracef
ully
Wed Feb  2 13:56:54 2013:start:171.70.225.85@pts/2:admin:
Wed Feb  2 14:20:41 2013:stop:171.70.225.85@pts/2:admin:shell terminated because
 of telnet closed
Wed Feb  2 14:32:19 2013:start:171.70.225.85@pts/3:admin:
Wed Feb  2 14:39:48 2013:stop:171.70.225.85@pts/3:admin:shell terminated because
 of telnet closed
Fri Feb  4 12:16:43 2013:start:171.71.29.84@pts/4:admin:
Fri Feb  4 12:17:11 2013:update:171.71.29.84@pts/4:admin:configure (SUCCESS)
Fri Feb  4 12:18:22 2013:update:171.71.29.84@pts/4:admin:configure terminal ; vn
m-policy-agent (SUCCESS)
Fri Feb  4 12:20:41 2013:stop:171.71.29.84@pts/4:admin:shell terminated because
of telnet closed
Fri Feb  4 14:22:18 2013:start:171.71.29.84@pts/5:admin:
Fri Feb  4 14:23:05 2013:update:171.71.29.84@pts/5:admin:configure (SUCCESS)
Fri Feb  4 15:33:06 2013:stop:171.71.29.84@pts/5:admin:shell terminated because
of telnet closed
Fri Feb  4 17:05:05 2013:start:171.71.29.84@pts/6:admin:
Fri Feb  4 18:25:32 2013:stop:171.71.29.84@pts/6:admin:shell terminated because
of telnet closed
Mon Feb  7 14:12:19 2013:start:171.71.29.84@pts/7:admin:
Mon Feb  7 15:51:10 2013:stop:171.71.29.84@pts/7:admin:shell terminated because
of telnet closed
Mon Feb  7 16:30:10 2013:start:171.71.29.84@pts/8:admin:
Mon Feb  7 19:11:13 2013:stop:171.71.29.84@pts/8:admin:shell terminated because
of telnet closed
Wed Feb  9 14:43:26 2013:start:10.21.84.66@pts/9:admin:
Wed Feb  9 17:43:30 2013:stop:10.21.84.66@pts/9:admin:shell terminated because o
f telnet closed
Wed Feb  9 18:13:10 2013:start:10.21.84.66@pts/10:admin:
Wed Feb  9 18:40:00 2013:update:10.21.84.66@pts/10:admin:configure (SUCCESS)
Wed Feb  9 19:50:37 2013:start:10.21.84.66@pts/11:admin:
Wed Feb  9 20:49:00 2013:stop:10.21.84.66@pts/10:admin:shell terminated because
of telnet closed
Wed Feb  9 22:03:36 2013:stop:10.21.84.66@pts/11:admin:shell terminated because
of telnet closed
Thu Feb 10 18:41:45 2013:start:171.71.29.84@pts/12:admin:
Thu Feb 10 18:50:50 2013:stop:171.71.29.84@pts/12:admin:shell terminated because
 of telnet closed
Fri Feb 11 12:09:57 2013:start:171.71.29.84@pts/13:admin:
Fri Feb 11 16:55:21 2013:stop:171.71.29.84@pts/13:admin:shell terminated because
 of telnet closed
Fri Feb 11 18:19:49 2013:start:171.71.29.84@pts/14:admin:
Fri Feb 11 18:55:54 2013:stop:171.71.29.84@pts/14:admin:shell terminated because
 of telnet closed
Mon Feb 14 13:35:27 2013:start:171.71.29.84@pts/15:admin:
```

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

show banner

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

show banner motd

Syntax Description	**motd**	Displays the message of the day.

Defaults   None

Command Modes   EXEC

Global configuration (config)

SupportedUserRoles   network-admin

network-operator

Command History	Release	Modification
	5.2.1VSG1(4.1)	This command was introduced.

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

```
vsg# show banner motd
Nexus 1000V VSG
```

Related Commands	Command	Description
	banner	Creates a banner message.

show boot

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

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

Syntax Description	

auto-copy	(Optional) Displays whether auto copy is enabled or disabled.
current	(Optional) Displays whether the current boot variable 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
5.2.1VSG1(4.1)	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

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
```

Related Commands	Command	Description
	boot	Creates boot variables.

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)

SupportedUserRoles   network-admin

network-operator

Command History	Release	Modification
	5.2.1VSG1(4.1)	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 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 all interfaces in the CDP database:

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

```
    Refresh time: 60
    Hold time: 180

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

Related Commands	Command	Description
	cdp	Configures CDP parameters.

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
	5.2.1VSG1(4.1)	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
----------------
```

```
SWITCHNAME="vsg"
TIMESTAMP="2013-02-14-17.33.37"
```

Related Commands	Command	Description
	cli var	Defines CLI variables.

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)

SupportedUserRoles   network-admin

network-operator

Command History

Release	Modification
5.2.1VSG1(4.1)	This command was introduced.

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

```
vsg# show clock detail
Mon Feb 14 17:47:44 UTC 2013
```

Related Commands

Command	Description
clock	Manages the system clock.

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
5.2.1VSG1(4.1)	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) 2002-2013, 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
```

Related Commands	Command	Description
	show version build-info	Displays build information.

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
5.2.1VSG1(4.1)	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 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 all core dumps:

```
vsg# show cores
```

Related Commands

Command	Description
show event-log	Displays the event log.

show debug

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

show debug [**aaa** | **arp** | **ascii-cfg** | **bootvar** | **capability** | **cdp** | confcheck | **core** | **evmc** | evms | **fm** | **fs-daemon** | **igmp** | **im** | **ip** | **ipv6** | **kadb** | **klm-rwsem** | **logfile** | **module** | **msp** | **mvsh** | **nsp-pa** | **nsmgr** | **ntp** | **platform** | **plugin** | **redun_mgr** | **redundancy** | **res_mgr** | sal | **scheduler** | **security** | snmp | **system** | **tcap** | **ttyd** | **vdc** | **vnm** | **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.
confcheck	(Optional) Displays all debugging flags of confcheck.
core	(Optional) Displays core daemon debugging flags.
evmc	(Optional) Displays EVMC debugging flags.
evms	(Optional) Displays EVMS debugging flags.
fm	(Optional) Displays feature manager debugging flags.
fs-daemon	(Optional) Displays FS daemon debugging flags.
im	(Optional) Displays IM debugging flags.
ip	(Optional) Displays IP information.
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.
msp	(Optional) Displays MSP debugging flags.
mvsh	(Optional) Displays MVSH debugging flags.
nsc-pa	(Optional) Displays NSC PA debugging flags.
nsmgr	(Optional) Displays NSMGR debugging flags.
ntp	(Optional) Displays NTP debugging flags.
platform	(Optional) Displays platform manager debugging flags.
plugin	(Optional) Displays plugin debugging flags.
redun-mgr	(Optional) Debug redundancy manager.
redundancy	(Optional) Displays redundancy driver debugging flags.
res_mgr	(Optional) Displays resource manager debugging flags.
sal	(Optional) Displays SAL debugging flags.
scheduler	(Optional) Displays scheduler debugging flags.
security	(Optional) Displays security debugging flags.
snmp	(Optional) Displays SNMP server debugging flags.

system	(Optional) Displays system debugging flags.
tcap	(Optional) Displays exception logger debugging flags.
ttyd	(Optional) Displays TTYD debugging flags.
vdc	(Optional) Displays VDC manager debugging flags.
vmm	(Optional) Displays VMM 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
5.2.1VSG1(4.1)	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 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 AAA debug flags:

```
vsg# show debug aaa
```

Related Commands

Command	Description
show debug-filter	Displays debugging filters.

show debug-filter

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

    show debug-filter {**all** | **arp** | **ipv6**}

Syntax Description		
all	Displays all debugs filters.	
arp	Displays Address Resolution Protocol (ARP) debug filters.	
ipv6	Displays IPv6 information.	

Defaults None

Command Modes EXEC

Global configuration (config)

Supported User Roles network-admin

network-operator

Command History	Release	Modification
	5.2.1VSG1(4.1)	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 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 debug filters:

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

Related Commands	Command	Description
	show debug	Displays debugging flags.

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)

SupportedUserRoles   network-admin

network-operator

Command History

Release	Modification
5.2.1VSG1(4.1)	This command was introduced.

Usage Guidelines   You can use the following operators with the **show event-log** 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 event log:

```
vsg# show event-log all
```

Related Commands

Command	Description
show event manager internal	Displays the event manager.

show event manager internal

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

show event manager internal [**clients** | **evmc** | **evms** | **mvsh**]

Syntax Description

clients	(Optional) Display information about clients registered with EEM system.
evmc	(Optional) Displays Event Manager Client commands.
evms	(Optional) Displays Event Manager Server commands.
mvsh	(Optional) Displays memory allocation statistics.

Defaults

None

Command Modes

EXEC

Global configuration (config)

SupportedUserRoles

network-admin

network-operator

Command History

Release	Modification
5.2.1VSG1(4.1)	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 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 event manager errors:

```
vsg# show event manager internal evmc errors
1) Event:E_DEBUG, length:253, at 232142 usecs after Wed Feb 16 15:20:07 2013

  [100] fu_sdb_handle_update: validation fail,
  fu_is_state_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 2013
   [100] fu_sdb_handle_update: validation fail


3) Event:E_DEBUG, length:55, at 232136 usecs after Wed Feb 16 15:20:07 2013
   [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 2013
   [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 2013
   [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 2013
   [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 2013
   [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 2013
   [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 2013
   [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 2013
    [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 2013
    [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 2013
    [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 2013
    [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 2013
    [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 2013
    [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 2013
    [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 2013
    [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 2013
    [100] fu_sync_pss_to_standby_apply:Input event not MTS msg


19) Event:E_DEBUG, length:58, at 971289 usecs after Wed Feb 16 15:18:47 2013
    [100] fu_sync_pss_to_standby_apply:Input event not MTS msg
```

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

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
5.2.1VSG1(4.1)	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
```

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

show file

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

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

Syntax Description

bootflash:	Displays the bootflash directory.
debug:	Displays the debug directory.
modflash:	Displays the modflash directory.
volatile:	Displays the volatile directory.

Defaults

None

Command Modes

EXEC

Global configuration (config)

SupportedUserRoles

network-admin

network-operator

Command History

Release	Modification
5.2.1VSG1(4.1)	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
```

Related Commands

Command	Description
pwd	Displays the current directory.

show hardware

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

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

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

Defaults   None

Command Modes   EXEC

Global configuration (config)

Supported User Roles   network-admin

network-operator

Command History	Release	Modification
	5.2.1VSG1(4.1)	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)
```

Related Commands	Command	Description
	show interface	Displays interface status and information.

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
5.2.1VSG1(4.1)	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
```

Related Commands

Command	Description
show hosts	Displays the hosts.

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
5.2.1VSG1(4.1)	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
```

Related Commands

Command	Description
show hostname	Displays the hostname.

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
5.2.1VSG1(4.1)	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
```

Related Commands

Command	Description
show feature	Displays system features.

show incompatibility

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

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

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

Defaults   None

Command Modes   EXEC

Global configuration (config)

SupportedUserRoles   network-admin

network-operator

Command History	Release	Modification
	5.2.1VSG1(4.1)	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:nexus-1000v.5.2.1.VSG1.4.0.1.bin
```

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

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) Displays the SVS domain identification number.	

Defaults

None

Command Modes

EXEC

Global configuration (config)

SupportedUserRoles

network-admin

network-operator

Command History

Release	Modification
5.2.1VSG1(4.1)	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
```

Related Commands

Command	Description
show ip tftp	Displays TFTP client information.

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

SupportedUserRoles   network-admin

network-operator

Command History

Release	Modification
5.2.1VSG1(4.1)	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.
```

Related Commands

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

show interface

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

show interface [**brief** | **capabilities** | **counters** | **data** | **description** | **mac-address** | **mgmt** | 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.
mac-address	(Optional) Displays the MAC address of an interface.
mgmt	(Optional) Displays the management interface.
snmp-ifindex	(Optional) Displays the SNMP ifindex list.
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 (config)

SupportedUserRoles   network-admin

network-operator

Command History

Release	Modification
5.2.1VSG1(4.1)	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.

- **|**—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
```

Related Commands

Command	Description
show ip interface	Displays IP interface information.

show ip

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

> **show ip** {**adjacency** | **arp** | **client** | **interface** | **internal** | **logging** | **process** | **route** | **static-route** | **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.
interface	Displays the IP interface information.
internal	Displays the internal IP information.
logging	Displays the IP policy logging table.
process	Displays the global IP information.
route	Displays the routing information.
static-route	Displays the configured static routes.
traffic	Displays IP software processed traffic statistics.

Defaults   None

Command Modes   EXEC

Global configuration (config)

SupportedUserRoles   network-admin

network-operator

Command History

Release	Modification
5.2.1VSG1(4.1)	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.

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.

show ipv6

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

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

Syntax 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 (config)

SupportedUserRoles   network-admin

network-operator

Command History	Release	Modification
	5.2.1VSG1(4.1)	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.

■   **show ipv6**

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
```

Related Commands

Command	Description
show ip	Displays IP information.

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 (config)

SupportedUserRoles   network-admin

network-operator

Command History

Release	Modification
5.2.1VSG1(4.1)	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
```

```
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
```

Related Commands	Command	Description
	show system internal kernel	Displays kernel information.

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 (config)

SupportedUserRoles network-admin

network-operator

Command History	Release	Modification
	5.2.1VSG1(4.1)	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
```

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

Related Commands	Command	Description
	cli	Configures the command line.

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 (config)

SupportedUserRoles   network-admin
network-operator

Command History	Release	Modification
	5.2.1VSG1(4.1)	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.

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: 2013 Jan 21 17:17:21 VSG129-2 %KERN-2-SYSTEM_MSG: Starting kernel... - kernel
2: 2013 Jan 21 17:17:21 VSG129-2 %KERN-3-SYSTEM_MSG: PCI: Cannot allocate resour
ce region 1 of device 0000:00:0f.0 - kernel
3: 2013 Jan 21 17:17:21 VSG129-2 %KERN-3-SYSTEM_MSG: sda: assuming drive cache:
write through - kernel
4: 2013 Jan 21 17:17:21 VSG129-2 %KERN-3-SYSTEM_MSG: sda: assuming drive cache:
write through - kernel
5: 2013 Jan 21 17:17:21 VSG129-2 %KERN-3-SYSTEM_MSG: CMOS: Module initialized -
kernel
6: 2013 Jan 21 17:17:21 VSG129-2 %KERN-1-SYSTEM_MSG: calling register_stun_set_d
omain_id() - kernel
7: 2013 Jan 21 17:17:21 VSG129-2 %KERN-1-SYSTEM_MSG: register_stun_set_domain_id
() - kernel
8: 2013 Jan 21 17:17:21 VSG129-2 %KERN-1-SYSTEM_MSG: Successfully registered SNA
P client for SNAP=0x00000c013200  0xf1117360 - kernel
9: 2013 Jan 21 17:17:21 VSG129-2 %KERN-1-SYSTEM_MSG: STUN : Successfully created
 Socket - kernel
10: 2013 Jan 21 17:17:21 VSG129-2 %KERN-3-SYSTEM_MSG: redun_platform_ioctl : Ent
ered - kernel
11: 2013 Jan 21 17:17:21 VSG129-2 %KERN-3-SYSTEM_MSG: redun_platform_ioctl : SW
version is set 5.2.1VSG1(4.1)  - kernel
12: 2013 Jan 21 17:17:21 VSG129-2 %LOCAL7-3-SYSTEM_MSG:  - dhcpd
13: 2013 Jan 21 17:17:21 VSG129-2 %LOCAL7-3-SYSTEM_MSG: No subnet declaration fo
r ftp0 (127.2.1.1). - dhcpd
14: 2013 Jan 21 17:17:21 VSG129-2 %LOCAL7-3-SYSTEM_MSG: ** Ignoring requests on
ftp0.  If this is not what - dhcpd
15: 2013 Jan 21 17:17:21 VSG129-2 %LOCAL7-3-SYSTEM_MSG:    you want, please writ
e a subnet declaration - dhcpd
16: 2013 Jan 21 17:17:21 VSG129-2 %LOCAL7-3-SYSTEM_MSG:    in your dhcpd.conf fi
le for the network segment - dhcpd
17: 2013 Jan 21 17:17:21 VSG129-2 %LOCAL7-3-SYSTEM_MSG:    to which interface ft
p0 is attached. ** - dhcpd
18: 2013 Jan 21 17:17:21 VSG129-2 %LOCAL7-3-SYSTEM_MSG:  - dhcpd
19: 2013 Jan 21 17:17:21 VSG129-2 %LOCAL7-3-SYSTEM_MSG: Not configured to listen
 on any interfaces! - dhcpd
20: 2013 Jan 21 17:17:21 VSG129-2 %USER-2-SYSTEM_MSG: CLIS: loading cmd files be
gin  - clis
21: 2013 Jan 21 17:17:21 VSG129-2 %KERN-3-SYSTEM_MSG: redun_platform_ioctl : Ent
ered - kernel
22: 2013 Jan 21 17:17:21 VSG129-2 %KERN-3-SYSTEM_MSG: redun_platform_ioctl : Hos
t name is set VSG129-2 - kernel
23: 2013 Jan 21 17:17:23 VSG129-2 %LOCAL7-3-SYSTEM_MSG:  - dhcpd
24: 2013 Jan 21 17:17:23 VSG129-2 %LOCAL7-3-SYSTEM_MSG: No subnet declaration fo
r ftp0 (127.2.1.1). - dhcpd
25: 2013 Jan 21 17:17:23 VSG129-2 %LOCAL7-3-SYSTEM_MSG: ** Ignoring requests on
ftp0.  If this is not what - dhcpd
26: 2013 Jan 21 17:17:23 VSG129-2 %LOCAL7-3-SYSTEM_MSG:    you want, please writ
e a subnet declaration - dhcpd
27: 2013 Jan 21 17:17:23 VSG129-2 %LOCAL7-3-SYSTEM_MSG:    in your dhcpd.conf fi
le for the network segment - dhcpd
28: 2013 Jan 21 17:17:23 VSG129-2 %LOCAL7-3-SYSTEM_MSG:    to which interface ft
p0 is attached. ** - dhcpd
29: 2013 Jan 21 17:17:23 VSG129-2 %LOCAL7-3-SYSTEM_MSG:  - dhcpd
30: 2013 Jan 21 17:17:23 VSG129-2 %LOCAL7-3-SYSTEM_MSG: Not configured to listen
 on any interfaces! - dhcpd
```

```
31: 2013 Jan 21 17:17:23 VSG129-2 %MODULE-5-ACTIVE_SUP_OK: Supervisor 1 is activ
e (serial: T5056BB0038)
32: 2013 Jan 21 17:17:23 VSG129-2 %PLATFORM-5-MOD_STATUS: Module 1 current-statu
s is MOD_STATUS_ONLINE/OK
33: 2013 Jan 21 17:17:26 VSG129-2 %USER-2-SYSTEM_MSG: CLIS: loading cmd files en
d  - clis
34: 2013 Jan 21 17:17:26 VSG129-2 %USER-2-SYSTEM_MSG: CLIS: init begin  - clis
35: 2013 Jan 21 17:17:44 VSG129-2 %USER-2-SYSTEM_MSG: Invalid feature name eth-p
ort-sec - clis
36: 2013 Jan 21 17:18:00 VSG129-2 %POLICY_ENGINE-5-POLICY_ACTIVATE_EVENT: Policy
 p1 is activated by profile sp1
37: 2013 Jan 21 17:18:00 VSG129-2 %IM-5-IM_INTF_STATE: mgmt0 is DOWN in vdc 1
38: 2013 Jan 21 17:18:00 VSG129-2 %IM-5-IM_INTF_STATE: mgmt0 is UP in vdc 1
39: 2013 Jan 21 17:18:00 VSG129-2 %IM-5-IM_INTF_STATE: data0 is DOWN in vdc 1
40: 2013 Jan 21 17:18:00 VSG129-2 %IM-5-IM_INTF_STATE: data0 is UP in vdc 1
41: 2013 Jan 21 17:18:00 VSG129-2 %POLICY_ENGINE-5-POLICY_COMMIT_EVENT: Commit o
peration SUCCESSFUL
42: 2013 Jan 21 17:18:00 VSG129-2 %VDC_MGR-2-VDC_ONLINE: vdc 1 has come online
43: 2013 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: 2013 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: 2013 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: 2013 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: 2013 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: 2013 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: 2013 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: 2013 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: 2013 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: 2013 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: 2013 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: 2013 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
```

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

show ntp

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

show ntp [**authentication-keys** | **authentication-status** | **internal** | **logging-status** | **peer-status** | **peers** | **pending** | **pending-diff** | **rts-update** | **session** | **source** | **statistics** | **status** | **trusted-keys**]

Syntax Description		
	authentication-keys	(Optional) Displays the authentication keys.
	authentication-status	(Optional) Displays the NTP Authentication status.
	internal	(Optional) Displays internal NTP information.
	logging-status	(Optional) Displays the NTP logging status.
	peer-status	(Optional) Displays the status of all the peers.
	peers	(Optional) Displays all the peers.
	pending	(Optional) Displays the NTP temporary database.
	pending-diff	(Optional) Displayes the pending database difference.
	rts-update	(Optional) Displays the status of RTS.
	session	(Optional) Displays the session information.
	source	(Optional) Displays the source IP address.
	statistics	(Optional) Displays NTP statistics.
	status	(Optional) Show the NTP distribution status.
	trusted-keys	(Optional) Displays the trusted keys.

Defaults None

Command Modes EXEC

Global configuration (config)

SupportedUserRoles network-admin

network-operator

Command History	Release	Modification
	5.2.1VSG1(4.1)	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
bad authentication:     0
```

Related Commands

Command	Description
show clock	Displays the time.

show password

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

show password strength-check

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

Defaults	None

Command Modes	EXEC
	Global configuration (config)

Supported User Roles	network-admin
	network-operator

Command History	Release	Modification
	5.2.1VSG1(4.1)	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.

show policy-engine

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

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

Syntax Description	*policy-name*	Name of the policy engine.
	stats	Displays policy engine statistics.

Defaults   None

Command Modes   EXEC

Global configuration (config)

SupportedUserRoles   network-admin

network-operator

Command History	Release	Modification
	5.2.1VSG1(4.1)	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)
```

Related Commands	Command	Description
	policy	Configures a policy.

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 virtual device context (VDC) processes.	

Defaults   None

Command Modes   EXEC

Global configuration (config)

SupportedUserRoles   network-admin

network-operator

Command History	Release	Modification
	5.2.1VSG1(4.1)	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
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/bfffed20	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/bfffe73c	syslogd
2517	933888	109213561	74809344	bffffa80/bfffe850	sdwrapd
2519	4120576	0	81752064	bffffa70/bfff79e0	platform
2524	0	0	0	0/0	ls-notify-mts-t
2537	282624	92591910	74170368	bffffa70/bfffe058	pfm_dummy
2545	155648	0	1441792	bffffa60/bffff988	klogd
2552	2109440	393881241	78864384	bffffa80/bffff278	vshd
2553	1073152	95385382	76709888	bffffa80/bfffe4d0	stun
2554	2732032	367819865	144842752	bffffa30/bffff690	smm
2555	1155072	165002041	75182080	bffffa50/bfffe4b0	session-mgr
2556	479232	135244736	73154560	bffffa40/bffff770	psshelper
2557	212992	96888422	69488640	bffff9f0/bfffe680	lmgrd
2558	528384	91650240	73543680	bffffa60/bffff5f8	licmgr
2559	512000	92225126	78594048	bffffa90/bffff260	fs-daemon
2560	397312	85133312	72286208	bffffa60/bfff3690	feature-mgr
2561	315392	85106278	72122368	bffffa70/bffff840	confcheck
2562	958464	92785651	74874880	bffffa60/bfffe910	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/bfffd960	port-profile
2585	274432	85254963	72257536	bffffa60/bffff830	xmlma
2586	1245184	95083507	76578816	bffffa60/bfffe2dc	vnm_pa_intf
2587	2146304	115889523	76902400	bffffa60/bfffe060	vmm

```
2588     708608  127975372    76795904    bffffa70/bffffe9c0   vdc_mgr
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/bfffbf80    mvsh
2597    2596864  109250944    79581184    bffffa80/bfffcf70    module
2598    3489792  182622105    87179264    bffffa80/bfffd980    fwm
2599    1175552  100089228    81141760    bffffa60/bfffe490    evms
2600    1015808   93312806    74964992    bffffa60/bfffe4a0    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/bfffe678    securityd
2605    1048576   98226585    84234240    bffffa60/bfffdce0    cert_enroll
2606     495616   87332044    75096064    bffffa60/bfffe850    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/bfffe680    ExceptionLog
2618    3047424  116793318    86609920    bffffa80/bfffe490    ifmgr
2619     806912   87336550    74678272    bffffa80/bfffe8c0    tcap
2623    5693440  262289420   137621504    bffffa10/bfffd8f0    snmpd
2636     163840  293819750    68661248    bffffa20/bffff018    PMon
2637    3104768  256175321    84361216    bffffa50/bfffe210    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/bfffdac0    radius
2752     233472   98996198    69996544    bffffa30/bffff8c8    ip_dummy
2753     233472   98996198    69996544    bffffa30/bffff8c8    ipv6_dummy
2754    1826816  165916537   126001152    bffffa50/bfffeb30    ntp
2755     233472   98996198    69996544    bffffa30/bffff8c8    pktmgr_dummy
2756     233472   98996198    69996544    bffffa30/bffff8c8    tcpudp_dummy
2758    1097728  202319744   126873600    bffffa60/bfffed90    cdp
2762    1024000  109019750    80056320    bffff990/bfffec90    dcos-xinetd
2764     729088          0    12656640    bfffeef0/bffff220    ntpd
2881    1409024  113508736    83517440    bffffa80/bfffe0a0    vsim
2882    2785280  366824128    90828800    bffffa60/bfffdbb0    ufdm
2883    1273856  365913996   140460032    bffffa60/bfffd970    sal
2884    2342912  107612243    84082688    bffffa60/bfffd940    pltfm_config
2885    4083712  206235110    88436736    bffffa50/bfffd970    monitor
2886    3870720  317199308    90644480    bffffa50/bfffdf80    ipqosmgr
2887    7446528  504510195   132648960    bffffa50/bffff980    igmp
2888    5025792  186650112    89972736    bffffa40/bfffd8f0    eth-port-sec
2889    2170880  199314508    82145280    bffffa60/bfffe220    copp
2890    2453504  118573030    87961600    bffffa40/bfffd730    eth_port_channel
2891    8450048  156970739    94244864    bffffa50/bfffe990    vlan_mgr
2892   14442496  309585689   102936576    bffffa60/bfffdb40    ethpm
2933    1544192  204094950    85684224    bffffa60/bfffe480    msp
2936    1048576   93330828    74928128    bffffa50/bfffe480    vsn_service_mgr
2937  169234432 1191148288   251592704    bffffa60/bfffe48c    sp
2938   10510336  651213798   103919616    bffffa40/bfffe89c    policy_engine
2939    3485696  633948339    85774336    bffffa40/bfffe24c    inspect
3006     159744          0     1441792    bfffdc0/bffffc58     getty
3007     172032          0     1527808    bfffd90/bffffc28     getty
3019    1142784          0    14630912    bffffa30/bfffe810    dcos_sshd
3021    1167360          0    31797248    bffffdc0/bffffaa0    vsh
28520   1142784          0    14630912    bffffa30/bfffe810    dcos_sshd
28521   1167360          0    31797248    bffffdc0/bfffa7c8    vsh
30327    155648          0     1712128    bfffcf0/bffffb4c     more
```

```
30328   1167360  0           31830016    bffffdc0/bfffa2d8  vsh
30329        0  0           0           bffffa10/bfffef28  ps

All processes: MemAlloc = 445857792
```

Related Commands	Command	Description
	show system resources	Displays memory usage.

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 (config)

SupportedUserRoles   network-admin

network-operator

Command History

Release	Modification
5.2.1VSG1(4.1)	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
```

```
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 2013

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
```

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

show resource

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

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

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

Defaults   None

Command Modes   EXEC

Global configuration (config)

SupportedUserRoles   network-admin

network-operator

Command History	Release	Modification
	5.2.1VSG1(4.1)	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
    -----------         -----     -----    ------   --------   -------
    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
```

Related Commands	Command	Description
	show system resources	Displays system resources.

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) Displays the role name.	
role-name	Name of role.	
pending	(Optional) Displays uncommitted role configurations.	
pending-diff	(Optional) Displays uncommitted role configurations.	
session	(Optional) Displays the role session status.	
status	(Optional) Displays the role status.	

Defaults None

Command Modes EXEC

Global configuration (config)

SupportedUserRoles network-admin

network-operator

Command History	Release	Modification
	5.2.1VSG1(4.1)	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
  ------------------------------------------------------------------
  1       permit  read-write
```

Related Commands

Command	Description
show users	Displays users.

show running-config

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

> **show running-config** [**aaa** | **diff**| **ip**| **port-profile** | **eem** | **ipqos** | **vrf** | **exclude** | **ipv6** | **adjmgr** | **exclude-provision** | **l3vm** | **rpm**| **vshd** | **all** | **expand-port-profile** | **license** | **security** | **arp** | **icmpv6** | **monitor** | **cdp** | **cert-enroll** | **interface** | **ntp** | **vdc-all**]

Syntax Description		
aaa	(Optional) Displays the Authentication, Authorization and Accounting (AAA) configuration.	
adjmgr	(Optional) Displays adjacency manager information.	
all	(Optional) Displays the current operating configurations.	
arp	(Optional) Displays Address Resolution Protocol (ARP) information.	
cdp	(Optional) Displays the Cisco Discovery Protocol (CDP) configuration.	
diff	(Optional) Displays the difference between the running and startup configurations.	
eem	(Optional) Displays the event manager running configuration.	
exclude	(Optional) Excludes the running configuration of specified features.	
exclude-provision	(Optional) Exclude configuration for offline pre-provisioned interfaces.	
expand-port-profile	(Optional) Displays port profile information.	
icmpv6	(Optional) Displays Internet Control Message Protocol (ICMPv6) information.	
interface	(Optional) Displays interface configurations.	
ip	(Optional) Displays Internet Protocol (IP) information.	
l3vm	(Optional) Displays Layer 3 Virtual Machine (L3VM) information.	
ntp	(Optional) Displays Network Time Protocol (NTP) information.	
network	(Optional) Displays the network information.	
object-group	(Optional) Displays the object-group configuration.	
policy	(Optional) Displays the policy configuration.	
rule	(Optional) Displays the rule configuration.	
security	(Optional) Displays the security configurations.	
snmp	(Optional) Displays the SNMP configuration.	
vdc-all	(Optional) Displays all virtual device context (VDC) configurations.	
vrf	(Optional) Displays Virtual Routing and Forwarding (VRF) information.	
vshd	(Optional) Displays the running configuration for virtual shared hardware device (VSHD).	
zone	(Optional) Displays the zone configuration.	

Defaults   None

Command Modes   EXEC

Global configuration (config)

SupportedUserRoles   network-admin

network-operator

Command History

Release	Modification
5.2.1VSG1(4.1)	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: Sat Jul  6 04:34:01 2013

version 5.2(1)VSG1(4.1)
system memory-thresholds minor 50 severe 80 critical 89
system memory threshold critical no-process-kill

logging level feature-mgr 0
hostname firewall

no feature telnet

role feature-group name 123
username admin password 5 $1$0gfpvdjy$yvn.yLZ9wK4uJUHieAnBH.  role network-admin
username admin role network-operator
no password strength-check

banner motd #Nexus 1000v Switch
#

ssh key rsa 2048
no ip domain-lookup
ip host firewall 10.2.71.65
ntp server 10.2.71.69
```

```
vrf context management
  ip route 0.0.0.0/0 10.2.0.1
port-channel load-balance ethernet source-mac
port-profile default max-ports 32

system storage-loss log time 30


interface mgmt0
  ip address 10.2.71.65/16

interface control0
  no snmp trap link-status
  ip address 70.1.0.75/24
line console
line vty
boot kickstart bootflash:/nexus-1000v-kickstart.5.2.1.VSG1.4.0.1.bin sup-1
boot system bootflash:/nexus-1000v-5.2.1.VSG1.4.0.1.bin sup-1
boot kickstart bootflash:/nexus-1000v-kickstart.5.2.1.VSG1.4.0.1.bin sup-2
boot system bootflash:/nexus-1000v-5.2.1.VSG1.4.0.1.bin sup-2
ip route 70.1.0.0/24 90.1.0.27
ip route 90.1.0.0/24 90.1.0.27
limit-resource erspan-flow-id minimum 0 maximum 0
svs-domain
  domain id 202
  control vlan 1
  packet vlan 1
  svs mode L3 interface mgmt0
  switch-guid b1d6dac9-4a18-4f9f-8f6f-7552675a5c46

security-profile SP1@root/T1
  policy Ps-large@root/T1
  custom-attribute vnsporg "root/t1"

security-profile SP2-clone@root/T1
  policy PS2-1@root/T1
  custom-attribute vnsporg "root/t1"

security-profile SP2@root/T1
  policy PS2-1@root/T1
  custom-attribute vnsporg "root/t1"
security-profile default@root
  policy default@root
  custom-attribute vnsporg "root"
zone 123 cond-match-criteria: match-all
zone DMZ cond-match-criteria: match-all
zone vzone2@root/T1 cond-match-criteria: match-all
  condition 10 net.ip-address neq 20.1.0.7
zone web1 cond-match-criteria: match-all
zone zone1@root/T1 cond-match-criteria: match-all
  condition 10 net.ip-address eq 0.0.0.0
rule P-123456---large-name-12345-larg/all-p@root/T1 cond-match-criteria: match-a
ll
  action permit
  action log
rule P-123456---large-name-12345-larg/ftp-permit@root/T1 cond-match-criteria: ma
tch-all
  service/protocol-attribute
    condition 10 net.protocol eq 6
  action permit
  action log
rule P-123456---large-name-12345-larg/large-name-rule-large-name-rule@root/T1 co
nd-match-criteria: match-all
  service/protocol-attribute
```

```
      condition 11 net.protocol eq 1
    src-port-attribute
      condition 10 src.net.port eq 11
    action permit
    action log
rule P-123456---large-name-12345-larg/permit-all@root/T1 cond-match-criteria: ma
tch-all
    action permit
    action log
rule P-123456---large-name-12345-larg/r-1@root/T1 cond-match-criteria: match-all
    src-attributes
      condition 10 src.zone.name eq vzone2@root/T1
    action permit
rule P-123456---large-name-12345-larg/tftp-permit@root/T1 cond-match-criteria: m
atch-all
    service/protocol-attribute
      condition 10 net.protocol eq 17
    action permit
    action log
rule P1/R1@root/T1 cond-match-criteria: match-all
    action permit
rule p-rst/R-rst@root/T1 cond-match-criteria: match-all
    src-attributes
      condition 10 src.zone.name eq zone1@root/T1
    action reset
    action log
Policy P1
Policy P1@root
Policy PS2-1@root/T1
    rule p-rst/R-rst@root/T1 order 101
Policy Ps-large@root/T1
    rule P-123456---large-name-12345-larg/r-1@root/T1 order 101
    rule P-123456---large-name-12345-larg/all-p@root/T1 order 201
    rule P-123456---large-name-12345-larg/large-name-rule-large-name-rule@root/T1
order 301
    rule P-123456---large-name-12345-larg/ftp-permit@root/T1 order 401
    rule P-123456---large-name-12345-larg/tftp-permit@root/T1 order 501
    rule P-123456---large-name-12345-larg/permit-all@root/T1 order 601
    rule P1/R1@root/T1 order 702
Policy default@root
Policy p2
service firewall logging enable
nsc-policy-agent
    registration-ip 10.2.71.64
    shared-secret **********
policy-agent-image bootflash:/vnmc-vsgpa.2.1.1e.bin
    log-level crit
logging logfile messages 7 size 4096
logging server 10.2.71.64 7 facility local0
logging server 10.2.71.69 4 facility user
```

Related Commands	Command	Description
	show startup-config	Displays the startup configuration.

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) Displays the SVS domain.
	domain-id	Domain identification number. The range is from 1 to 4095.
	module	(Optional) Displays the module.
	module-number	Module number. The range is from 3 to 66.

Defaults   None

Command Modes   EXEC

Global configuration (config)

SupportedUserRoles   network-admin

network-operator

Command History	**Release**	**Modification**
	5.2.1VSG1(4.1)	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.

Note   The **show service-path connection command** might not display inspect-rsh actions for remote shell traffic. This issue affects the display only and does not disrupt the traffic policy decisions.

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 3720  Module   5
Proto SrcIP[:Port]        DstIP[:Port]          VLAN Action    Flags
tcp  172.31.2.206:2677    172.31.2.106:80            PpOoSas
```

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) Displays the SVS domain.	
domain-id	Domain identification number. The range is from 1 to 4095.	
module	(Optional) Displays the module.	
module-number	Module number. The range is from 3 to 66.	

Defaults None

Command Modes EXEC

Global configuration (config)

SupportedUserRoles network-admin

network-operator

Command History	Release	Modification
	5.2.1VSG1(4.1)	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             9130015   Output Packet             879012
Active Flows                  17   Active Connections            12
Flow Create                36696   Flow Destroy               36679
Input Packet Drop              0   Output Packet Drop             0
SP Packet Drop                 0   Corrupted Packet               0
Input mode                Signal   Input mode change fail         0
Input signal mode              1   Input interrupt mode           0
PE Corrupted Packet            0   FTP Corrupted Packet           0
RSH Corrupted Packet           0   TFTP Corrupted Packet          0
Buffer Free Fail               0
Vpath Frag Packet        8249047   Vpath Inst Frag                0
```

```
IPV4 Frag Packet               850338  IPV4 Inst Frag                    0
Aged Vpath Frag Packet              0  Vpath Frag Packet Drop            0
Aged IPV4 Frag Packet              10  IPV4 Frag Packet Drop             0
Bad Vpath Frag                      0  Bad IPV4 Frag                     0
Vpath Frag/Packet Exceed            0  IPV4 Frag/Packet Exceed           0
Total Frag Inst Exceed              0
Non-Vpath Packet                    0  Vpath Ver Mismatch Packet         0


SVS Domain   15  Module   3
  Input Packet                 20957  Output Packet                 19328
  Flow Create                  28856  Flow Destroy                  28848
  Packet Drop                      0


SVS Domain   15  Module   4
  Input Packet               9109058  Output Packet                859684
  Flow Create                   7840  Flow Destroy                   7831
  Packet Drop                      0
```

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 (config)

Supported User Roles   network-admin

network-operator

Command History

Release	Modification
5.2.1VSG1(4.1)	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
_____
                        SNMP USERS
_____

User                          Auth  Priv(enforce) Groups
____                          ____  _____  _____
_____
 NOTIFICATION TARGET USERS (configured  for sending V3 Inform)
_____

User                          Auth  Priv
____                          ____  ____
admin                         md5   des
(EngineID 128:0:0:9:3:0:0:0:0:0:0)

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

Related Commands

Command	Description
snmp-server	Configures the SNMP server.

show sockets

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

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

Syntax Description

client	Displays client socket information.
connection	Displays socket connections information.
internal	Displays internal socket information.
statistics	Displays socket statistics.
tcp	Displays TCP information.

Defaults   None

Command Modes   EXEC

Global configuration (config)

SupportedUserRoles   network-admin

network-operator

Command History

Release	Modification
5.2.1VSG1(4.1)	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
```

```
        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
```

Related Commands	Command	Description
	show interface	Displays information about interfaces.

show ssh

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

show ssh {**key** | **server**}

Syntax Description	key	Displays the SSH keys.
	server	Displays the status of SSH on the server.

Defaults   None

Command Modes   EXEC

Global configuration (config)

SupportedUserRoles   network-admin

network-operator

Command History	Release	Modification
	5.2.1VSG1(4.1)	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 May 8 16:49:02 2013

ssh-rsa AAAAB3NzaC1yc2EAAAABIwAAAQEAtL6+T2oK4lT1edlXus/eY6FChVxGdDA1T9B3pC06MWst
6+Wh4Sw3Ibpoe2uIuZE9qZjlNKLMWkReu1olXLCJlGG3QjkVUA2CMLYP6o/+fUoMZIPSyQFQk+3JwTFu
UR7uaa6OkATAr35unSnaHPKkYyv7C2S+I/H2nilY+Gbncv9D2tijsFJIOMIeIa8w5EdedMSnxOYg9ynm
9rV+Jql48mvslAKo23eSkzJT2grZu6z3d8DboiEHvrkPR/8Dwum9BXK7pM9p48l3Dae5lRuW92H/wRqs
v0u6Cyex6c6uE2f3jo4yU4tOMTCbyu2O+lXz/AsmM+gUZ1CvxrHhjgHpqw==

bitcount:2048
fingerprint:
1d:1f:75:3c:6b:41:32:c8:0a:87:40:56:10:cb:2b:e9
**************************************
could not retrieve dsa key information
```

```
************************************
```

Related Commands	Command	Description
	show telnet	Displays the Telnet server configuration.

show startup-config

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

show startup-config [**aaa** | **admgr** | **arp** | **bfd** | **cdp** | **dhcp** | **eem** | **exclude** | **exclude-provision** | **expand-port-profile** | **glbp** | **icmpv6** | **interface** | **ip** | **l3vm** | **log** | **netflow** | **network** | **ntp** | **security** | **snmp** | **vdc-all** | **vrf** | **vrrp** | **vshd**]

Syntax Description		
aaa	(Optional) Displays the authentication, authorization, and accounting (AAA) configuration.	
adjmgr	(Optional) Displays the adjmgr information.	
arp	(Optional) Displays Address Resolution Protocol (ARP) information.	
bfd	(Optional) Displays the startup config for BFD.	
cdp	(Optional) Displays the Cisco Discovery Protocol (CDP) configuration.	
dhcp	(Optional) Displays the DHCP snoop configurations.	
eem	(Optional) Displays the event manager startup configuration.	
exclude	(Optional) Exclude the startup configuration of specified features.	
exclude-provision	(Optional) Hide configuration for the offline pre-provisioned interfaces.	
expand-port-profile	(Optional) Displays the port profile.	
glbp	(Optional) Displays the GLBP startup configuration	
icmpv6	(Optional) Displays Internet Control Message Protocol Version 6 (ICMPv6) 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.	
netflow	(Optional) Displays the NetFlow configuration.	
network	(Optional) Displaysthe network information.	
ntp	(Optional) Displays Network Time Protocol (NTP) information.	
security	(Optional) Displays the security configuration.	
snmp	(Optional) Displays the SNMP configuration.	
vdc-all	(Optional) Displays the virtual device context (VDC) configuration.	
vrf	(Optional) Displays the VRF information.	
vrrp	(Optional) Displays the VRRP startup configuration.	
vshd	(Optional) Displays the running configuration for VSHD.	

Defaults   None

Command Modes	EXEC
	Global configuration (config)

SupportedUserRoles	network-admin
	network-operator

Command History

Release	Modification
5.2.1VSG1(4.1)	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 2013
!Startup config saved at: Tue Apr 30 19:23:55 2013

version 5.2.1VSG1(4.1)
ip domain-lookup
ip domain-lookup
switchname VSG129-2
snmp-server user admin auth md5 0x49381b1f90fcb52a70b55a0bbf05d032 priv 0x49381b
1f90fcb52a70b55a0bbf05d032 localizedkey engineID 128:0:0:9:3:0:0:0:0:0:0
snmp-server user vsnbetauser auth md5 0x272e8099cab7365fd1649d351b953884 priv 0x
272e8099cab7365fd1649d351b953884 localizedkey engineID 128:0:0:9:3:0:0:0:0:0:0

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
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
nsc-policy-agent
  registration-ip 0.0.0.0
  shared-secret **********
  log-level
```

Related Commands	Command	Description
	show running-config	Displays the running configuration.

show system

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

> **show system** {**clis** | **cores** | **error-id** | **exception-info** | **inband** | **internal** | **pss** | **redundancy** | **resources** | **standby** | **uptime** | **vlan**}

Syntax Descriptioni

clis	Displays the command-line interface (CLI) server.
cores	Displays the core transfer option.
error-id	Displays the descriptions for system errors.
exception-info	Displays the last exception log information.
inband	Displays the inband commands.
internal	Displays the commands for internal use.
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.
vlan	Displays the VLAN status.

Defaults   None

Command Modes   EXEC

Global configuration (config)

SupportedUserRoles   network-admin

network-operator

Command History

Release	Modification
5.2.1VSG1(4.1)	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
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
```

Related Commands

Command	Description
show hardware	Displays hardware information.

show tech-support

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

show tech-support [**adjmgr** | **arp** | **bootvar** | **bridge-domain** | **brief** | **cert-enroll** | **cli** | **clis** |
commands | **details** | **dhcp** | **eem** | **ethpm** | **ethport** | **ha** | **icmpv6** | **im** | **include-time internal**
| **ip** | **ipv6** | **l3vm** | **lacp** | **npacl** | **ntp** | **pktmgr** | **port** | **port-channel** | **routing** | **sal** | **smm** | **snmp**
| **sockets** | **span** | **sup-filesys** | **svs** | **sysmgr** | **vvlan** | **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.	
bridge-domain	(Optional) Displays information for segmentaion troubleshooting.	
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.	
command	(Optional) Displays commands executed as part of show tech-support commands.	
details	(Optional) Displays detailed information about troubleshooting.	
dhcp	(Optional) Displays detailed information about Dynamic Host Configuration Protocol (DHCP).	
eem	(Optional) Displays detailed information about EPP.	
ethpm	(Optional) Displays detailed information for ETHPM troubleshooting.	
ethport	(Optional) Displays detailed information about the Ethernet 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 taken to gather technical support information.	
internal	(Optional) Displays internal information for troubleshooting	
ip	(Optional) Displays IP information.	
ipv6	(Optional) Displays IPv6 information.	
l3vm	(Optional) Display virtual routing and forwarding (VRF) information.	
lacp	(Optional) Displays detailed information for LACP component.	
npacl	(Optional) Displays information about NPACL.	
ntp	(Optional) Displays information about the Network Time Protocol (NTP).	
pktmgr	(Optional) Displays packet manager information.	
port	(Optional) Displays port manager information.	
port-channel	(Optional) Displays port-channel information.	
routing	(Optional) Displays information about routing.	
sal	(Optional) Displays SAL tech-support information.	
smm	(Optional) Displays shared memory information.	

snmp	(Optional) Displays information related for SNMP.
sockets	(Optional) Displays information about sockets.
span	(Optional) Displays detailed information for span troubleshooting.
supfile-sys	(Optional) Displays File-sys related issue.
svs	(Optional) Displays technical support information for SVS.
sysmgr	(Optional) Displays information about system manager.
vvlan	(Optional) Displays detailed information for Voice VLAN troubleshooting.
xml	(Optional) Displays information about XML.

Defaults   None

Command Modes   EXEC

Global configuration (config)

SupportedUserRoles   network-admin

network-operator

Command History

Release	Modification
5.2.1VSG1(4.1)	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 2013
    [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 2013
    [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 2013
            [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


    4) Event:E_MTS_RX, length:60, at 824041 usecs after Thu Feb 24 11:38:18 2013
            [REQ] Opc:MTS_OPC_SYSMGR_CLI_SHOW_INTERNAL_STATE(1386), Id:0X02ECF0FB, Ret:S
    UCCESS
            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 00


    5) Event:E_MTS_RX, length:60, at 823997 usecs after Thu Feb 24 11:38:18 2013
            [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 00


    6) Event:E_MTS_RX, length:44, at 823918 usecs after Thu Feb 24 11:38:18 2013
            [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 2013
            [REQ] Opc:MTS_OPC_SYSMGR_CLI_SHOW_INTERNAL_STATE(1386), Id:0X02ECF0F5, Ret:S
    UCCESS
            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 00


    8) Event:E_MTS_RX, length:60, at 819034 usecs after Thu Feb 24 11:38:18 2013
            [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 00


    9) Event:E_MTS_RX, length:44, at 818960 usecs after Thu Feb 24 11:38:18 2013
            [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 2013
            [REQ] Opc:MTS_OPC_SYSMGR_CLI_SHOW_INTERNAL_STATE(1386), Id:0X02ECF0EF, Ret:S
    UCCESS
            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 00


    11) Event:E_MTS_RX, length:60, at 814364 usecs after Thu Feb 24 11:38:18 2013
            [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 00

12) Event:E_MTS_RX, length:44, at 814283 usecs after Thu Feb 24 11:38:18 2013
     [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

13) Event:E_MTS_RX, length:44, at 800624 usecs after Thu Feb 24 11:38:18 2013
     [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 2013
     [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 2013
     [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 2013
     [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 2013
     [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 2013
     [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 2013
     [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 2013
     [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 2013
```

```
        [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 2013
        [RSP] Opc:MTS_OPC_EEM_CFG_SYNC(1701), Id:0X02ECEABB, Ret:SUCCESS
        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 2013
        [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 2013
        [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 2013
        [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 2013
        [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 2013
        [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
```

Related Commands	Command	Description
	show debug	Displays debug flags.

show telnet server

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

show telnet 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
5.2.1VSG1(4.1)	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.

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 (config)

SupportedUserRoles   network-admin

network-operator

Command History

Release	Modification
5.2.1VSG1(4.1)	This command was introduced.

Usage Guidelines   You can use the following operators with the **show terminal** 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 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
```

```
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
```

Related Commands	Command	Description
	show processes	Displays process information.

show user-account

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

show user-account [*user-account-name*]

Syntax Description

user-account-name	(Optional) User account name.

Defaults   None

Command Modes   EXEC

Global configuration (config)

SupportedUserRoles   network-admin

network-operator

Command History

Release	Modification
5.2.1VSG1(4.1)	This command was introduced.

Usage Guidelines   You can use the following operators with the **show user-account** 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 user accounts:

```
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
```

Related Commands

Command	Description
show users	Displays current users.

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
5.2.1VSG1(4.1)	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 *
```

Related Commands

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

show version

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

show version [**image** | **internal**]

Syntax Description	**image**	(Optional) Displays software image information.
	internal	(Optional) Displays internal commands.

Defaults   None

Command Modes   EXEC

Global configuration (config)

SupportedUserRoles   network-admin

network-operator

Command History	Release	Modification
	5.2.1VSG1(4.1)	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 internal build-identifier
```

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

show nsc-pa

To display the Prime Network Services Controller (Prime NSC) policy agent, use the **show nsc-pa** command.

show nsc-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 (config)

SupportedUserRoles   network-admin

network-operator

Command History	Release	Modification
	5.2.1VSG1(4.1)	This command was introduced.

Usage Guidelines   You can use the following operators with the **show nsc-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 nsc-pa status
NSC Policy-Agent status is - Not Installed
```

Related Commands	Command	Description
	show vsg	Displays Cisco VSG information.

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	*port-name*	(Optional) DV port name.

Defaults   None

Command Modes   EXEC

Global configuration (config)

SupportedUserRoles   network-admin

network-operator

Command History

Release	Modification
5.2.1VSG1(4.1)	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
```

Related Commands

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

show vsg ip-binding

To display a list of Virtual Machine (VM) IP addresses and associated virtual network security profile (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 (config)

SupportedUserRoles   network-admin

network-operator

Command History

Release	Modification
5.2.1VSG1(4.1)	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
```

Related Commands

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

---

show vsg security-profile

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

> **show vsg security-profile** [*vnsp-name* | **detail** | **table**]

Syntax Description	*vnsp-name*	(Optional) Virtual network security profile (VNSP) name.
	detail	(Optional) Displays more details about the Cisco VSG security profile.
	table	(Optional) Displays security profile information.

Defaults

None

Command Modes

EXEC

Global configuration (config)

SupportedUserRoles

network-admin

network-operator

Command History

Release	Modification
5.2.1VSG1(4.1)	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 (VMs) that are using the security profile in addition to the information about the security profile. 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          : vnsporg
      Value         : root
      Name          : profile1
      Value         : eng
```

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

Related Commands

Command	Description
show policy stats	Displays policy statistics.

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 (config)

SupportedUserRoles   network-admin

network-operator

Command History

Release	Modification
5.2.1VSG1(4.1)	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 Cisco VSG VM:

```
vsn22# show vsg vm
VM uuid : c42067b5-4533-43c5-8f2f-a3766d4cff4e
VM attributes :
name : vm-11
os-fullname : windows server 2012 r2 datacenter
os-hostname : windows123


Zone(s) :
```

Related Commands	Command	Description
	show vsg	Displays Cisco VSG information.

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	*name*	Name or partial name of a VM in your Cisco VSG network.

Defaults   None

Command Modes   EXEC

Global configuration (config)

SupportedUserRoles network-admin

network-operator

Command History	Release	Modification
	5.2(1)VSG1(4.1)	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 (VMs). The VMs 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 Cisco VSG VM with the name vm-12:

```
vsg# show vsg vm name vm-12
VM uuid : 9452c024-7e5f-4b4d-a3e6-6db5a01ec987
VM attributes :
name : vm-12
os-fullname : windows server 2012 r2 datacenter
os-hostname : windows123

DV Port(s) :
DV Port : 9452c024-7e5f-4b4d-a3e6-6db5a01ec987--2575106b-0463-4be5
-aec2-0c58f5740e1c::542e5b16-694f-4bcb-ba2e-f7cb484cfc9b
Security Profile : default@root
Port Profile : pp-vm-vns2
IP Addresses :
```

```
80.1.0.53

Zone(s) :
```

Related Commands	Command	Description
	show vsg	Displays Cisco VSG information.

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	*uuid*	Designates the name of the UUID.

Defaults	None

Command Modes	EXEC
	Global configuration (config)

SupportedUserRoles	network-admin
	network-operator

Command History	**Release**	**Modification**
	5.2(1)VSG1(4.1)	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 9452c024-7e5f-4b4d-a3e6-6db5a01ec987
VM uuid : 9452c024-7e5f-4b4d-a3e6-6db5a01ec987
VM attributes :
name : vm-12
os-fullname : windows server 2012 r2 datacenter
os-hostname : windows123

DV Port(s) :
DV Port : 9452c024-7e5f-4b4d-a3e6-6db5a01ec987--2575106b-0463-4be5
-aec2-0c58f5740e1c::542e5b16-694f-4bcb-ba2e-f7cb484cfc9b
Security Profile : default@root
Port Profile : pp-vm-vns2
IP Addresses :
80.1.0.53

Zone(s) :
```

Related Commands	**Command**	**Description**
	show vsg	Displays Cisco VSG information.

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 (config)

SupportedUserRoles   network-admin

network-operator

Command History

Release	Modification
5.2(1)VSG1(4.1)	This command was introduced.

Examples   This example shows how to display Cisco VSG zones:

```
vsg(config-nsc-policy-agent)# show vsg zone
Zone : vzone2@root/T1
Virtual Machines :
--------------------------------------------------------------------------------
Zone : zone1@root/T1
Virtual Machines :
--------------------------------------------------------------------------------
```

Related Commands

Command	Description
show vsg	Displays Cisco VSG information.

show xml server

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

show xml server [**internal** | **logging** | **status**]

Syntax Description

internal	(Optional) Displays the commands for internal use.
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)

SupportedUserRoles   network-admin

network-operator

Command History

Release	Modification
5.2.1VSG1(4.1)	This command was introduced.

Usage Guidelines   You can use the following operators with the **show xml 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 XML server information:

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

Related Commands

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

show xml server