



Cisco StadiumVision Director Using the Text Utility Interface

Release 2.3, 2.4, and 3.0

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Document History

Table 1. Revision History

Date	Description
February 21, 2011	First publication for Cisco StadiumVision Director Release 2.3.

NOTE: This document provides illustrations for Cisco StadiumVision Director Release 2.3, but is also applicable to later releases of the Cisco StadiumVision Director software through Release 3.0, with some differences in the user interface for those releases.

For information about Text Utility Interface (TUI) updates made in Cisco StadiumVision Director Releases 2.4 and 3.0, see the [Release Notes](#) for those releases.

Important changes were made to the TUI architecture in Cisco StadiumVision Director Release 3.1. For more information, see the ["Cisco StadiumVision Director Text Utility Interface"](#) module in the System Tools part of the [Cisco StadiumVision Director Server Administration Guide](#) in addition to the [Release Notes](#).

Using the Text Utility Interface

The Cisco StadiumVision Director Text Utility Interface (TUI) provides a console-based text interface for use by system installers and on-site troubleshooting personnel. The TUI replaces low-level system command line access (shell) and can be used to perform routine system tasks such as modifying system configurations, changing passwords, and checking system logs. Remote TAC access and troubleshooting can both be facilitated from the TUI in the event of a Cisco StadiumVision Director outage or failure.

Logging into the Text User Interface

To access the TUI, you need either physical console access or an SSH client such as PUTTY. Log in from the console or over SSH with the username 'installer'. The default password for this account is set to 'cisco123'. You will be prompted to change this password on your first successful login.

After you log into the system using the 'installer' account, the TUI main menu interface is displayed ([Figure 1](#)).

Figure 1. Installer TUI Menu Interface in Release 2.3

```
-----
              .       .
              |       |
              ||      ||
            .|| ||.   .|| ||.
          .:|||| | |||:..:|||| | |||:.
            C i s c o S y s t e m s
          StadiumVision Director Configuration Menu
-----

Please choose from the options below:
a. Configure IP information
b. Configure DNS information
c. Configure NTP
d. Set Hostname
e. Edit hosts file
f. Start / Stop Services
g. Ping a host
h. Display realtime logging
i. Set StadiumVision user password
j. Change installer password
k. Change MySQL password
l. Enable TAC user
m. Shutdown the StadiumVision server.
n. Restart the StadiumVision server.
o. Rerun StadiumVision initial configuration
p. Display system details
x. Exit
Please enter option [a - p]:
```

Table 2. Description of Installer TUI Configuration Menu Options

Option/Command	Description
Configure IP Information	Allows for local IP configuration on the Cisco StadiumVision Director server. Highlight the Ethernet adapter you want to configure (Default primary interface is ETH0) and press ENTER to change its settings. Use the TAB key to navigate through the different fields and select OK by pressing ENTER to make changes to the interface.
Configure DNS Information	Uses the VI editor to modify the /etc/resolv.conf file. Standard entries will have the word 'nameserver' followed by the IP address of the DNS server to be used. More info on proper resolv.conf file syntax can be found here: http://linux.about.com/od/commands//blcmdl5_resolv.conf.htm
Configure NTP	Uses the VI editor to modify the /etc/ntp.conf file. Standard configuration will have the word 'server' followed by the IP address of the time server to be used. More info on the /etc/ntp.conf file can be found here: http://tldp.org/LDP/sag/html/basic-ntp-config.html
Set Hostname	Modifies the local host name of the Cisco StadiumVision Director server. Press option 1 to change the current hostname or option 2 to return to the main menu.
Edit Hosts file	Uses the VI editor to modify the /etc/hosts file.
Start/Stop Services	Allows you to start, stop, or check status on the Cisco StadiumVision Director system services. Simply choose the number for the action and service you would like to perform. Press option 20 to return to the main menu.
Ping a host	Issues a ping to the IP address you provide. The ping command is a standard tool used to aid network troubleshooting and diagnostics.
Display realtime logging	Uses use a combination of system commands to provide realtime monitoring of the log file you choose. The information provided by the log files is often helpful during the troubleshooting process.
Set StadiumVision user password	Allows you to change the password for the 'admin' user in Cisco StadiumVision Director. Passwords should be alphanumeric and not be easily guessed.
Change installer password	Changes the 'installer' account password used to gain access to the Cisco StadiumVision Director Utility Interface.
Change MySQL password	Changes the password for the 'iapps' mysql database user. Password must be alphanumeric and can have no special characters.
Enable TAC user	Enables/disables the Cisco TAC user account on the Cisco StadiumVision Director server. This will allow for remote shell access which will be used for remote troubleshooting purposes. Always disable this access once you complete troubleshooting the system.
Shutdown the StadiumVision server	Powers down the Cisco StadiumVision Director server. You will be prompted to confirm this action, and once confirmed, the server will shut down. Be sure that you really want to shut down the server as this can cause a disruption of service while the server is offline.
Restart the StadiumVision server	Reboots the Cisco StadiumVision Director server. You will be asked to confirm this action, and once confirmed the server will reboot. Be sure that you really want to reboot the server as this can cause a disruption of service while the server is offline.
Rerun StadiumVision initial configuration	Reruns the script used during install to initialize the StadiumVision server.
Display system details	Lists important system details such as IP address and other configuration file details which are useful during technical support.
Exit	Exits from the Cisco StadiumVision Director utility interface and returns to the login prompt. If you are connected using an SSH client such as PUTTY, the session will terminate.

Using the VI Editor

The VI editor is used extensively throughout the TUI to modify configuration files. Before modifying configuration files, you should be familiar with simple editing techniques used within this editor.

Changes can be made by placing the editor into INSERT mode by pressing the 'I' key. Once the file has been modified, you may exit INSERT mode by pressing the

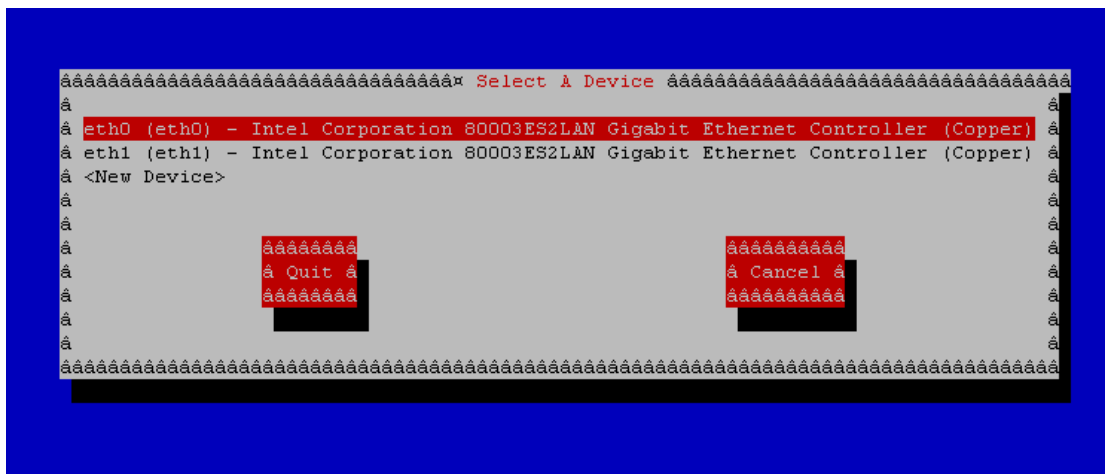
'ESC' key and then save by pressing ':wq!' or exit without saving by pressing ':q!'. More information on the VI editor can be found here:
<http://www.eng.hawaii.edu/Tutor/vi.html>.

Frequently Used Options

This section provides additional information on selected options in the Cisco StadiumVision Director TUI.

Configure IP Information

Use this option for local IP configuration on the Cisco StadiumVision Director server. Highlight the Ethernet adapter you want to configure (Default primary interface is ETH0) and press ENTER to change the settings. Use the TAB key to navigate through the different fields and select OK by pressing ENTER to make changes to the interface.



Configure DNS Information

Use this option to invoke the VI editor to modify the /etc/resolv.conf file. Standard entries have the word 'nameserver' followed by the IP address of the DNS server to be used. More info on proper resolv.conf file syntax can be found at:

http://linux.about.com/od/commands/l/blcmdl5_resolv.htm

```
nameserver 171.70.168.183
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
```

Configure NTP Service

Use this option to invoke the VI editor to modify the `/etc/ntp.conf` file. Standard configuration has the word 'server' followed by the IP address of the time server to be used. More info on the `/etc/ntp.conf` file can be found at:

<http://tldp.org/LDP/sag/html/basic-ntp-config.html>


```

# Permit time synchronization with our time source, but do not
# permit the source to query or modify the service on this system.
restrict default kod nomodify notrap nopeer noquery
restrict -6 default kod nomodify notrap nopeer noquery

# Permit all access over the loopback interface.  This could
# be tightened as well, but to do so would effect some of
# the administrative functions.
restrict 127.0.0.1
restrict -6 ::1

# Hosts on local network are less restricted.
#restrict 192.168.1.0 mask 255.255.255.0 nomodify notrap

# Use public servers from the pool.ntp.org project.
# Please consider joining the pool (http://www.pool.ntp.org/join.html).
server 0.rhel.pool.ntp.org
server 1.rhel.pool.ntp.org
server 2.rhel.pool.ntp.org

#broadcast 192.168.1.255 key 42          # broadcast server
#broadcastclient                        # broadcast client
#broadcast 224.0.1.1 key 42             # multicast server
#multicastclient 224.0.1.1              # multicast client
#manycastserver 239.255.254.254          # manycast server
#manycastclient 239.255.254.254 key 42  # manycast client

# Undisciplined Local Clock. This is a fake driver intended for backup
# and when no outside source of synchronized time is available.
server 127.127.1.0 # local clock
fudge 127.127.1.0 stratum 10

# Drift file. Put this in a directory which the daemon can write to.
# No symbolic links allowed, either, since the daemon updates the file
# by creating a temporary in the same directory and then rename()'ing
# it to the file.
driftfile /var/lib/ntp/drift

# Key file containing the keys and key identifiers used when operating
# with symmetric key cryptography.
keys /etc/ntp/keys

```

Set Cisco StadiumVision Director Server Hostname

Use this option to modify the local host name of the Cisco StadiumVision Director server. Press option 1 to change the current hostname or option 2 to return to the main menu.

```

      .
      |
      ||
    .|| ||.
  .:|||| | |||:..:|||| | |||:.
    C i s c o S y s t e m s
  Stadium Vision Director Configuration Menu
-----
                        Configuring Hostname
    Current Hostname is sv-test-07

    Press 1 to change hostname.
    Press 2 to return to main menu.

```

Edit Hosts File

Use this option to invoke the VI editor to modify the `/etc/hosts` file. More information on the hosts file can be found at:

<http://www.faqs.org/docs/securing/chap9sec95.html>

Start / Stop System Services

Use this option to start, stop, or check status on the Cisco StadiumVision Director system services. Simply choose the number for the action and service you would like to perform. Press option 20 to return to the main menu.


```
-----  
                  .      .  
                  |      |  
                |||      |||  
              .|| ||.  .|| ||.  
            .:|||| | |||:..:|||| | |||:..  
          C i s c o S y s t e m s  
        StadiumVision Director Configuration Menu  
-----  
                                Enable TAC User  
                                1. Enable TAC user account.  
                                2. Disable TAC user account.  
                                r. Return to main menu.  
  
1  
TAC user enabled. Press ENTER to return to main menu.█
```

Restart the Cisco StadiumVision Server

Use this option to reboot the Cisco StadiumVision Director server. A confirmation will display for you to confirm the action. Once confirmed the server will reboot. Note that this can cause a disruption of service while the server is offline.

```
Network Details  
eth0    Link encap:Ethernet  HWaddr 00:0E:0C:EE:87:C2  
         inet addr:171.68.113.189  Bcast:255.255.255.255  Mask:255.255.254.0  
         UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1  
         RX packets:1013665 errors:0 dropped:0 overruns:0 frame:0  
         TX packets:580723 errors:0 dropped:0 overruns:0 carrier:0  
         collisions:0 txqueuelen:1000  
         RX bytes:113084641 (107.8 MiB)  TX bytes:74152730 (70.7 MiB)  
         Memory:b8820000-b8840000  
  
lo      Link encap:Local Loopback  
         inet addr:127.0.0.1  Mask:255.0.0.0  
         UP LOOPBACK RUNNING  MTU:16436  Metric:1  
         RX packets:3776254 errors:0 dropped:0 overruns:0 frame:0  
         TX packets:3776254 errors:0 dropped:0 overruns:0 carrier:0  
         collisions:0 txqueuelen:0  
         RX bytes:1852525821 (1.7 GiB)  TX bytes:1852525821 (1.7 GiB)  
  
Hosts File  
127.0.0.1    sv-test-07    localhost  
  
DNS Info  
; generated by /sbin/dhclient-script  
search cisco.com  
nameserver 171.70.168.183  
nameserver 171.68.226.120  
nameserver 64.102.6.247  
  
NTP Server  
# Use public servers from the pool.ntp.org project.  
server 0.rhel.pool.ntp.org  
server 1.rhel.pool.ntp.org  
server 2.rhel.pool.ntp.org  
#broadcast 192.168.1.255 key 42      # broadcast server  
#broadcast 224.0.1.1 key 42         # multicast server  
#mancastserver 239.255.254.254      # manycast server  
server 127.127.1.0      # local clock  
  
Current Date/Time  
Tue Feb 15 02:46:04 PST 2011
```