



Cisco StadiumVision Mobile Reporter Text Utility Interface

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The Cisco StadiumVision Mobile Reporter Text Utility Interface (TUI) provides a console-based text interface for use by system installers and on-site troubleshooting personnel. The TUI 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 StadiumVision Mobile Reporter outage or failure.

This module includes the following topics:

- [Information About the TUI, page 65](#)
- [How to Access the TUI, page 73](#)

Information About the TUI

This section includes the following topics:

- [Overview of the TUI Menus, page 66](#)
- [Working with the TUI Interface, page 72](#)

Overview of the TUI Menus

The TUI is a nested structure of menus with options that allow you to drill down to specific system tasks to be performed on the server. The primary menus are:

- Main Menu
- System Settings
- System Accounts
- Services Control
- Server Administration
- Troubleshooting

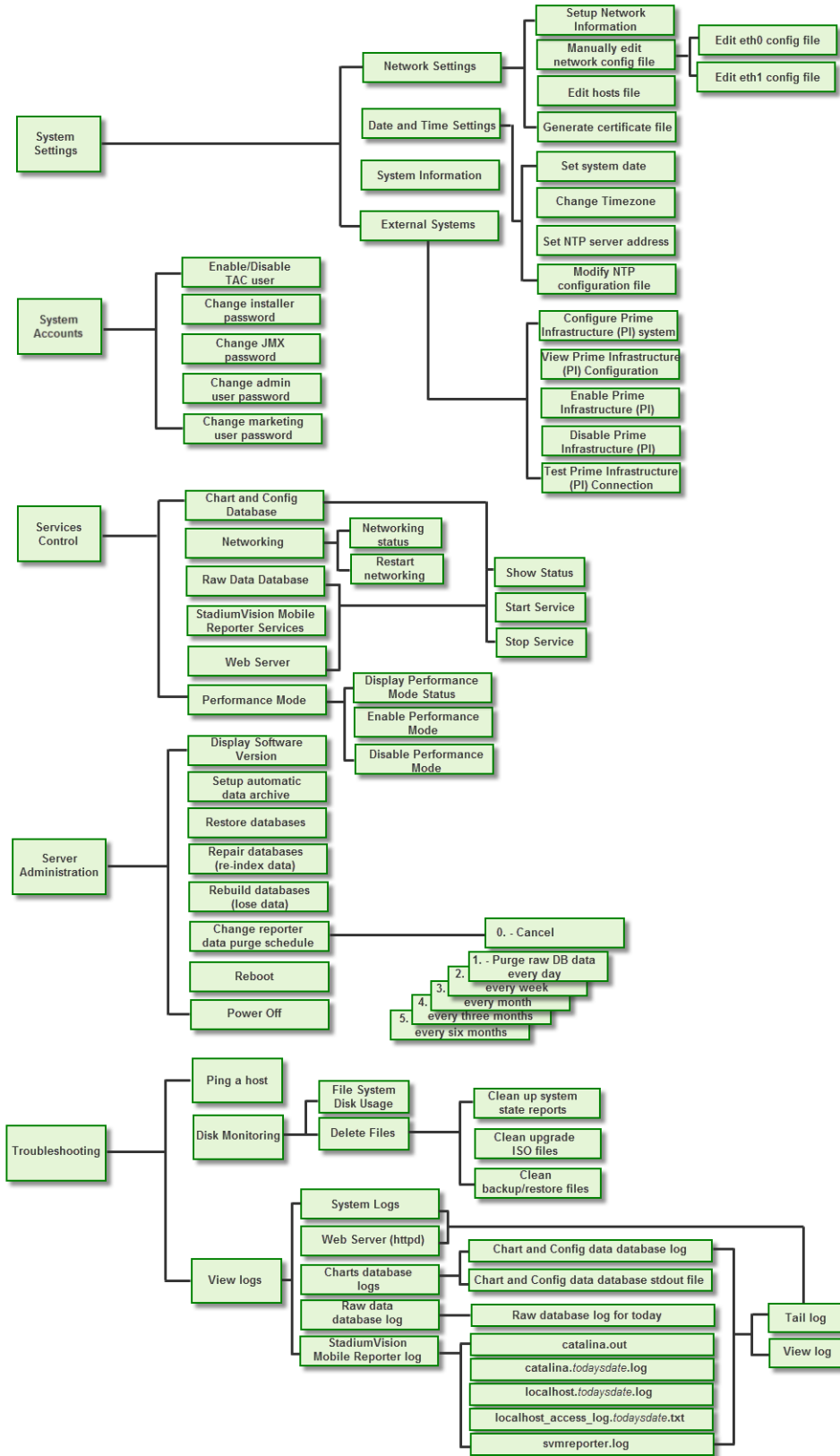
[Table 1](#) provides a description of the primary menus included in the Cisco StadiumVision Director TUI.

Table 1 *Description of the Primary TUI Menus*

Menu Name	Use this menu to . . .
Main Menu	Access all other menus or exit the TUI.
System Settings	Change server network configuration, generate a certificate, configure system date/time, display system information, and configure external systems.
System Accounts	Change default system passwords. For more information about system accounts and modifying them, see the “System Accounts on the Cisco StadiumVision Mobile Reporter Server” module.
Services Control	Access services running on the server to start, stop, or show status.
Server Administration	Manage the operation and software configuration of the server.
Troubleshooting	Run a ping command, monitor disk space usage, clean up files to free up disk space, or display system logging information.

[Figure 3](#) shows an overall view of the Cisco StadiumVision Mobile Reporter TUI.

Figure 1 TUI Map for Cisco StadiumVision Mobile Reporter



The following sections provide a brief description of each TUI menu item.

- [System Settings, page 68](#)
- [System Accounts, page 69](#)
- [Services Control, page 69](#)
- [Server Administration, page 70](#)
- [Troubleshooting, page 70](#)

System Settings

Network Settings

Setup Network Information

Allows for configuration of network devices and the DNS server.

Manually edit network config file

- Edit eth0 config file - allows for configuration of Ethernet port 0
- Edit eth1 config file - allows for configuration of Ethernet port 1

Edit hosts file

Opens the vi editor to modify the /etc/hosts file.

Generate certificate file

Generates a new self-signed certificate for network access using HTTPS.

**Note**

If you want to use a signed certificate that you have purchased, contact Cisco Technical Support to install it.

Data and Time Settings

The system date, timezone, and NTP server address should be set during the installation process. If these items were not configured during installation, it is critical to configure these items to avoid time drift and to ensure accurate reporting.

Set system date

Allows you to manually set the date.

Change timezone

Allows for setting the timezone. Choose a number next to the correct timezone.

Set NTP server address

Allows for setting the Network Time Protocol (NTP). Enter an IP address for a valid NTP server.

Modify NTP configuration file

Allows for manually editing the NTP configuration file.

System Information

Displays network information for eth0 and eth1 ports, hosts file, DNS information, and NTP server information.

External Systems

Allows you to configure, enable, and test integration with a Prime Infrastructure (PI) server for service quality reporting. For more information, see the [“Configuring Cisco Prime Infrastructure Integration for Cisco StadiumVision Mobile Reporter”](#) section on page 13.

System Accounts

The System Accounts menu allows you to manage accounts on the Cisco StadiumVision Mobile Reporter server. For more information about changing system accounts, see the [“System Accounts on the Cisco StadiumVision Mobile Reporter Server”](#) module.

You also can enable and disable a TAC user for a Cisco TAC representative to remotely troubleshoot the Cisco StadiumVision Mobile Reporter server. This allows remote shell access to be used for remote troubleshooting purposes. Always disable this access once you complete troubleshooting the system. For more information, see the [“Enabling a TAC User Account \(Cisco Personnel Only\)”](#) module.

Services Control

Chart and Config Database

Shows information about the service that controls the Charts and Configuration database, and allows you to start or stop that database service.

Networking

Shows information about the eth0 and eth1 ports and allows you to restart the networking service.

Raw Data Database

Shows information about the service that controls the Raw Data database, and allows you to start or stop that database service.

StadiumVision Mobile Reporter Services

Displays information about the svmreporter service, and allows you to start or stop it.

Web Server

Displays information about the httpd service, and allows you to start or stop it.

Performance Mode

Displays whether or not Performance Mode is enabled, and allows you to enable or disable it.

Server Administration

Display Software Version

Displays the installed software version.

Setup automatic data archive



Note

This TUI option is not supported for Cisco StadiumVision Mobile Reporter.

On a nightly basis, backups are automatically run for Chart and Config and Raw Data databases. These file archives are available to download. The file archives are automatically removed from the Cisco StadiumVision Mobile Reporter after 20 days. For more information, see the [“Cisco StadiumVision Mobile Reporter Data Management”](#) module.

Restore databases

See the [“Performing a Restore of System Data”](#) section on page 58.

Repair databases (re-index data)

- Repair Raw Data database

See the [“Repairing the Raw Data Database”](#) section on page 86.

Rebuild databases (lose data)

- Rebuild Raw Data database (data will be lost)
- Rebuild Chart and Config database (data will be lost)
- Re-seed Chart and Config database

See the [“Rebuilding the Raw Data Database”](#) section on page 86.

Reboot

Reboots the Cisco StadiumVision Mobile Reporter.

Power Off

Powers the Cisco StadiumVision Mobile Reporter off.

Troubleshooting

Ping a host

Allows for connectivity testing by pinging an IP address.

View logs

Log files are written as events transpire. The log files are available to be downloaded via HTTP. The log files are intended for a Cisco TAC representative to aid in troubleshooting. The log files are rotated out of the system, typically after 20 days.

- System logs
 - System console messages (/var/log/messages)
 - Authentication/Authorization logs (/var/log/secure)

- Driver messages (dmesg)
 - Tail log
 - View log
- Web Server logs (httpd)
 - Web Server access log (/var/log/httpd/error_log)
 - Tail log
 - View log
 - Web Server error log
 - Tail log
 - View log
- Charts database logs
 - Chart and Config data database log
 - Tail log
 - View log
 - Chart and Config data database stdout file
 - Tail log
 - View log
- Raw data database log
 - Raw database log for today
 - Tail log
 - View log
- StadiumVision Mobile Reporter Log
 - catalina.out
 - Tail log
 - View log
 - catalina.2012-12-11.log
 - Tail log
 - View log
 - localhost.log
 - Tail log
 - View log
 - localhost_access_log.*date*.txt
 - Tail log
 - View log
 - svmreporter.log
 - Tail log
 - View log

Working with the TUI Interface

This section includes the following topics:

- [Menu Navigation, page 72](#)
- [File Editor, page 72](#)

Menu Navigation

The Main Menu is displayed when you log in. To navigate through the menus you must type the character that corresponds to the menu area where you want to go (**a**, **b**, **c**, and so on) and press **Enter**.

To return to other menus, you must back out of the hierarchy of menus using one of the indicated keys to return you to prior menus.



Caution

Avoid pressing Ctrl-c from the TUI. This immediately terminates the TUI session and if services were started during the session they might stop running. Use the TUI menu system to exit the interface.

File Editor

Several of the TUI options open server system files for you to modify using the Unix system vi editor. The following configuration files are editable from the TUI:

- DNS information—/etc/resolv.conf
- NTP server information—/etc/ntp.conf
- Server host information—/etc/hosts
- Network configuration—/etc/sysconfig/network-scripts/ifcfg-eth0

Before modifying configuration files, you should be familiar with the simple editing techniques used within the vi editor. [Table 2](#) describes some of the more common vi Editor commands.

Table 2 Common vi Editor Commands

Command	Description
ZZ or :wq	Exit vi and save changes.
:q!	Exit vi without saving changes.
Esc key	Exit current mode and enter vi command mode.
Cursor Movement	
h	Move left (backspace).
j	Move down.
k	Move up.
l	Move right.
Enter key	Move to the beginning of the next line.
Inserting	
a	Append character after cursor.
i	Insert character before cursor. Enters INSERT mode.

Table 2 Common vi Editor Commands (continued)

Command	Description
r	Replace character under cursor with next character typed.
R	Keep replacing character until [Esc] is pressed.
Deleting	
db	Delete word before cursor.
dd	Delete line under cursor.
dw	Delete word under cursor.
x	Delete character under cursor.
P	Undo deletion of characters, words, or lines before cursor.
p	Undo deletion of characters, words, or lines after cursor.

How to Access the TUI

This section includes the following topics:

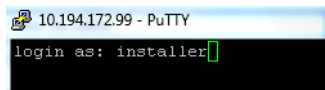
- [Logging Into the TUI, page 73](#)
- [Exiting the TUI, page 74](#)

Logging Into the TUI

To access the TUI, you need either physical console access or an SSH client such as PuTTY.

To log into the TUI, complete the following steps:

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- Step 1** Do one of the following:
- Access the server using a directly-attached console.
 - In the SSH client software, specify the IP address of the server that you want to access.
- Step 2** When the “login as:” prompt appears, type **installer** and press **Enter** (Figure 2):

Figure 2 TUI Login Prompt

- Step 3** At the password prompt, type the installer password and press **Enter**.



Note In the terminal emulator, the keystrokes for your password entry are not shown.

