Cisco StadiumVision Mobile Streamer Text Utility Interface

First Published: August 12, 2014

The StadiumVision Mobile Streamer 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 Cisco StadiumVision Mobile Streamer outage or failure.

This module contains information that system administrators will use to configure and maintain the StadiumVision Mobile Reporter, and contains the following sections:

Logging into the TUI

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 following credentials:

username = installer
password = cisco!123

You will be prompted to change the password on your first successful login. You also have the option of changing the password via the TUI.

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

Before modifying configuration files, you should be familiar with the simple editing techniques used within the vi editor. Table 1 describes some of the more common vi Editor commands.

Using the TUI

Figure 1 shows an overall view of the StadiumVision Mobile Streamer TUI. The following sections provide a brief description of each TUI menu item.

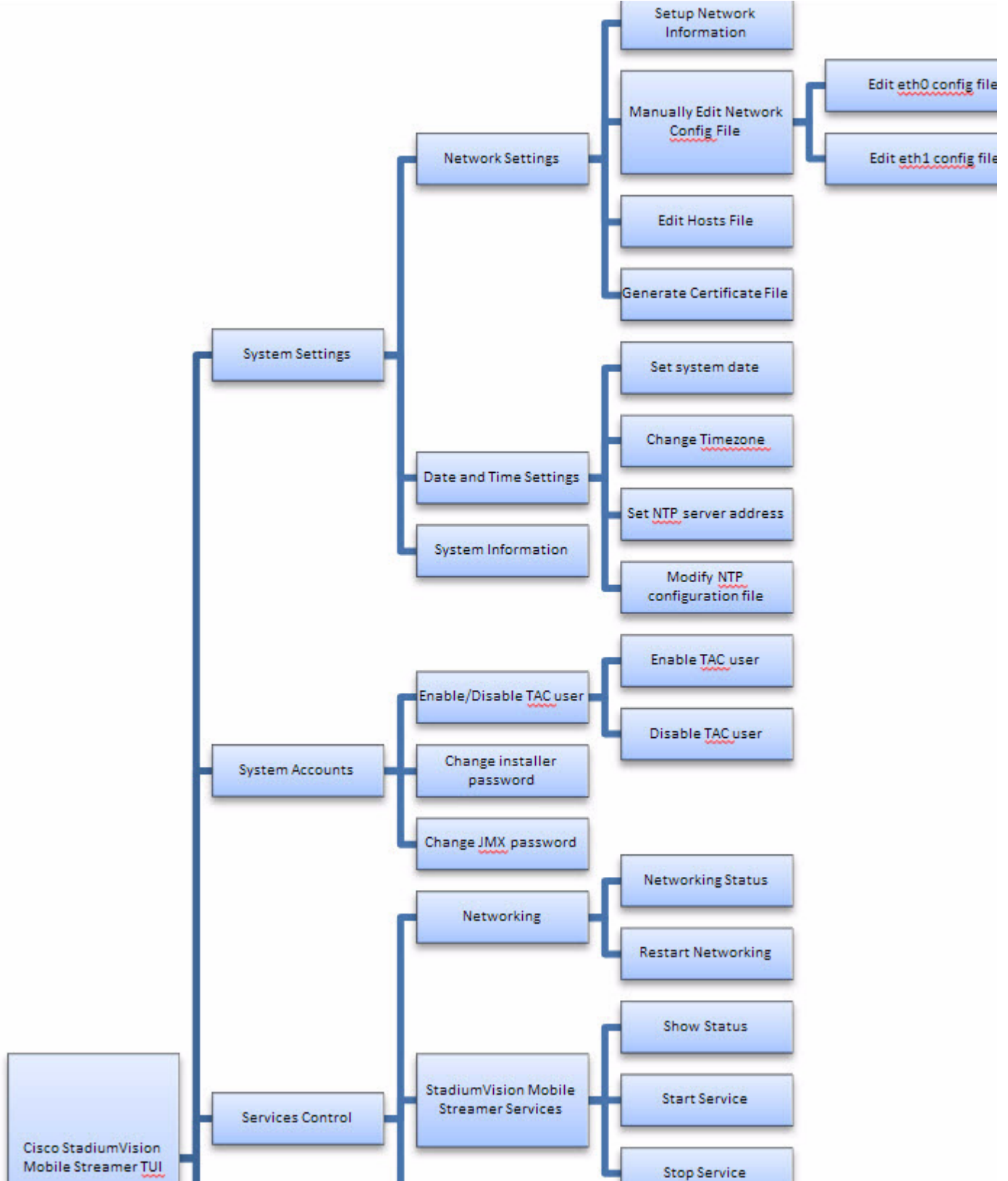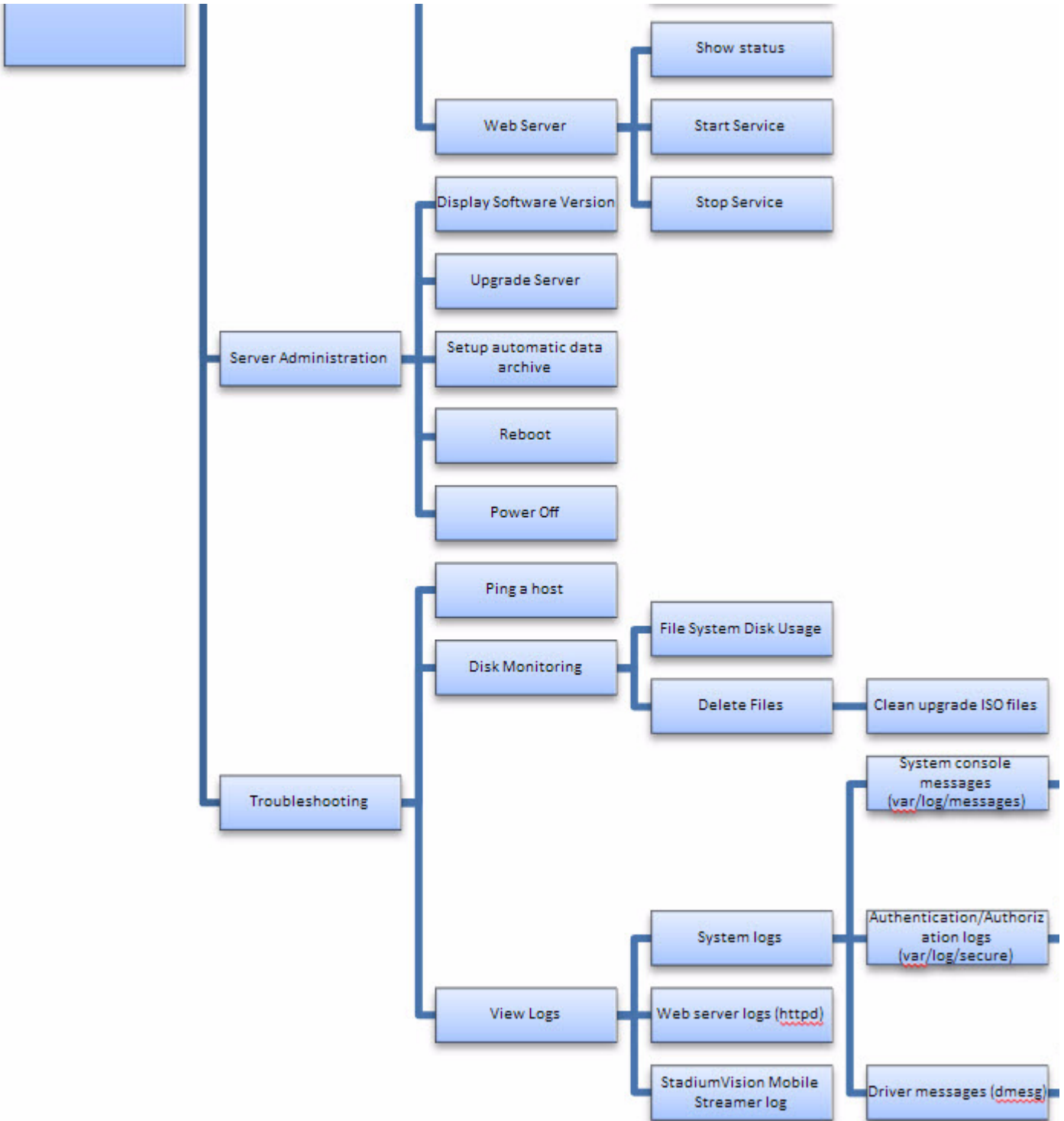*Figure 1*   *Cisco StadiumVision Mobile Streamer TUI Hierarchy*

Figure 2 Cisco StadiumVision Mobile Streamer TUI Hierarchy (continued)

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

Uses the vi editor to modify the /etc/hosts file

Generate certificate file

Generates a new networked certificate file

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

Manually sets 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.

System Accounts

Enable/Disable TAC user

- Enable TAC user

Enables a Cisco TAC representative to remotely troubleshoot the StadiumVision Mobile Streamer. 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.

- Disable TAC user

Disables remote shell access.

Change installer password

Changes the installer password.

Change JMX password

Changes the Java Management Extensions password, which may be used to allow JMX clients to monitor and troubleshoot the Streamer.

Services Control

Networking
- Networking status - displays the status of ports eth0 and eth1
- Restart networking - restarts the networking service

StadiumVision Mobile Streamer Services
- Show Status - displays the streamer service status
- Start Service - starts the streamer service
- Stop Service - stops the streamer service

Web Server
- Show Status - displays the httpd service status
- Start Service - starts the httpd service
- Stop Service - stops the httpd service

Server Administration

Display Software Version
Displays the installed software version.

Upgrade Server
Provides a way to upgrade the StadiumVision Mobile Streamer software by choosing an ISO image from a list. See the "Upgrading StadiumVision Mobile Streamer Using the Web Browser User Interface" section in the *Cisco StadiumVision Mobile Reporter and Cisco StadiumVision Mobile Streamer Installation and Upgrade Guide*.

Setup automatic data archive
On a nightly basis, backups are done of the Streamer configuration files. The file archives are automatically removed from the StadiumVision Mobile Streamer after 20 days. See the "StadiumVision Mobile Streamer Log" for more information about backup and restore procedures.

Reboot

Reboots the StadiumVision Mobile Streamer.

Power Off

Powers the StadiumVision Mobile Streamer 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
    - Authentication/Authorization logs
- 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
- StadiumVision Mobile Streamer Log