



Sixnet[®] Series

SixView Manager[®]

Software Version 3.0.18

Software Guide | January 2019

Drawing No. LP0992-D



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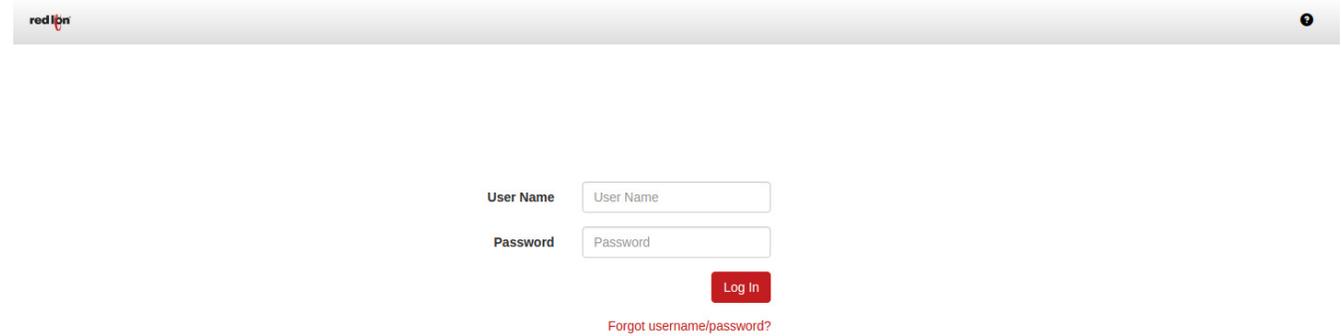
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Chapter 1 Overview



SixView Manager[®] provides user-friendly, web-based management and configuration capabilities for all Red Lion Sixnet series routers and RTUs. SixView Manager provides all of the key metrics required by IT departments or NOC managers such as signal strength, alarms, data usage, connectivity, IP addresses, and other critical elements to effectively manage hundreds or tens of thousands of devices. SixView Manager[®] includes enterprise features such as the ability to update and make field changes to Red Lion Sixnet series routers and RTUs without individual unit access resulting in lower total cost of ownership.

Intelligent Management Features - Efficient and Consistent

Mass configuration and auto provisioning tools	Remote monitoring and reporting of key metrics	Remote administration of multiple accounts/units
<p><i>Improves security</i> and enables efficient, consistent updates</p> <ul style="list-style-type: none"> · Edit unit configuration · Firmware updates · VPN configuration · Firewall policy enforcement · Mass unit control <ul style="list-style-type: none"> · unit grouping control · mass unit migration 	<p>Provides <i>visibility and control</i> to cut time troubleshooting</p> <ul style="list-style-type: none"> · Up-time · Utilization · Signal strength (RSSI) · Firmware version · ESN, MDN or IMEI · IP address · Live unit status w/ polling · Download XLS/CSV reports · Live unit status w/ polling · Download XLS/CSV reports 	<p>Helps <i>reduce deployment cost while increasing management</i></p> <ul style="list-style-type: none"> · Configuration changes · Remote reboot · Job Scheduling <ul style="list-style-type: none"> · single or multi-unit · Save custom views · Control user permissions <ul style="list-style-type: none"> · control edit abilities

Navigation before authorization (a.k.a. logging in). This is what is seen first after installation restart as well.



Navigation after authorization (showing super user logged-in here whereas not all dashes will be available to all users, based on permissions and roles.



User Account (shown as user’s name)

Change own email and Password.

Email Indicator

If the envelope is green, then SMTP settings are saved and Alerts/Forgot will be available (up to client to configure correct settings).

Log Out

Terminates authorized session.

Help

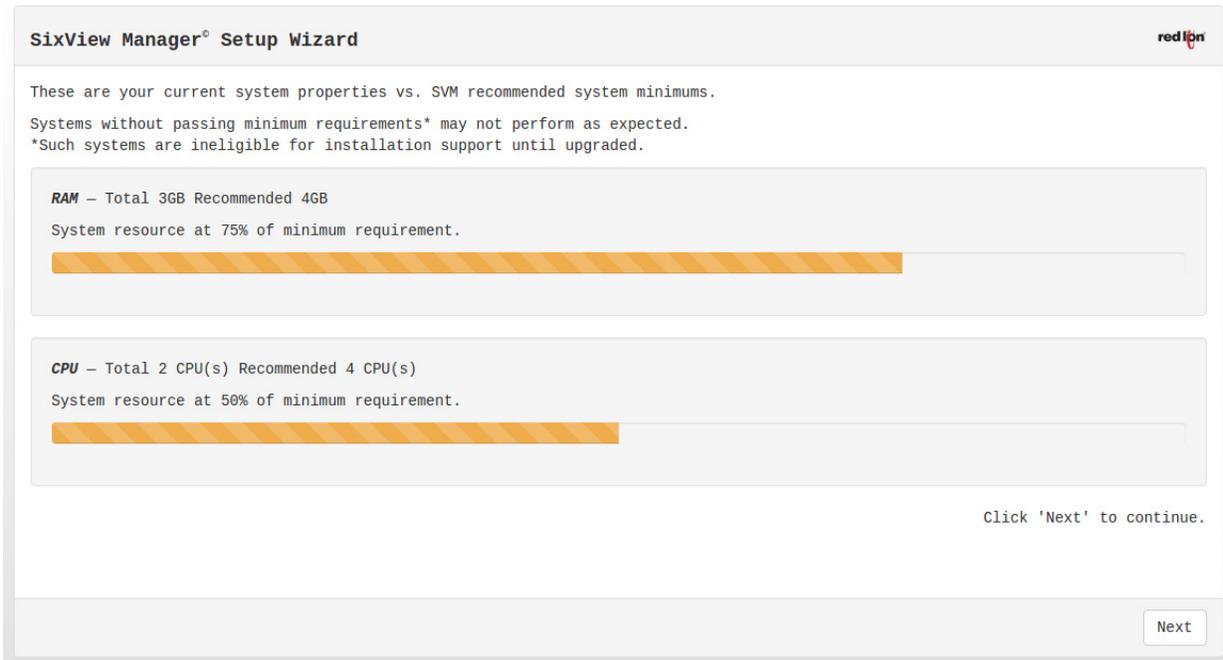
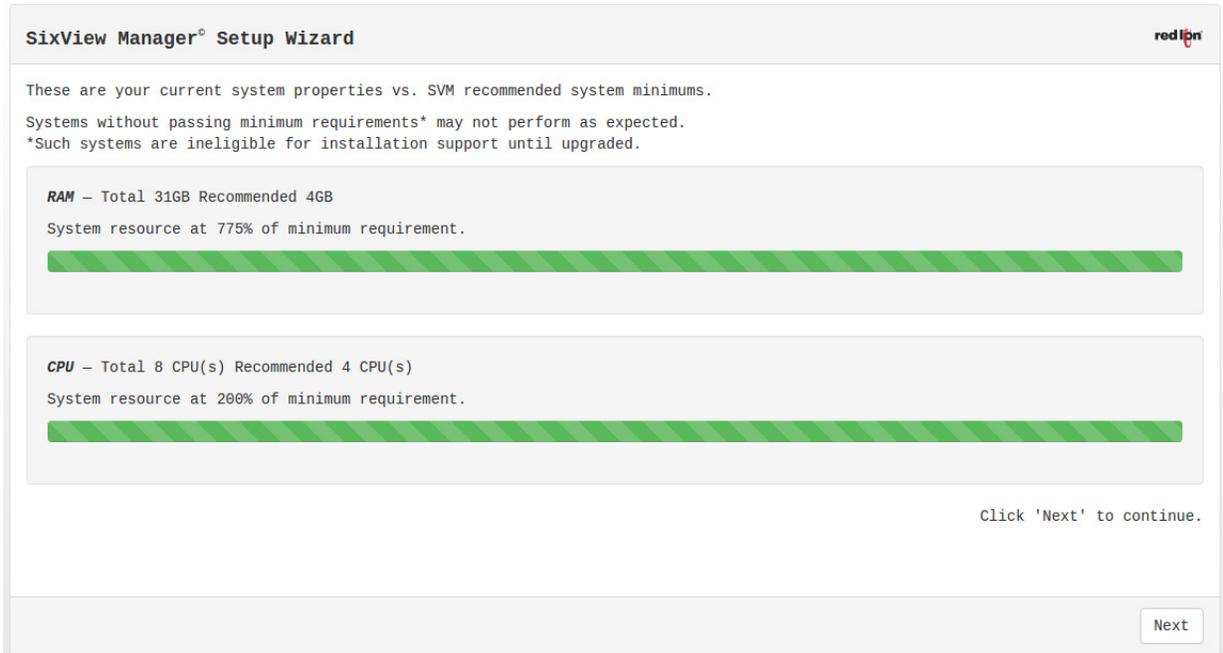
Open SixView Manager User Guide.

1.1 System Requirements and Devices Supported

1.1.1 System Requirements

Hardware Minimum	Software
<ul style="list-style-type: none"> · Quad core processor or higher · 4 GB RAM or higher · 120 GB hard drive or higher <ul style="list-style-type: none"> · multi-drive RAID recommended · Recommended Production Components <ul style="list-style-type: none"> · Redundant Power Supplies · Redundant Network Interfaces 	<ul style="list-style-type: none"> · Modern web browser – examples: <ul style="list-style-type: none"> · Chrome · Firefox · IE 10 · Linux Server Distribution – recommended: <ul style="list-style-type: none"> · Red Hat/Centos 6.x LATEST

Note: It is HIGHLY recommended that this be installed onto a dedicated server for the SixView Manager 3.0 (SixView Manager) and not as an additional application on a multi-use system.



Splash page reporting on system resources vs. requirements.

On the second slide, if 2.x SixView Manager is found on the system, the user may choose to migrate.

Legacy SVM 2.4.3 found.

Migrate version of SVM found. Would you like to import?

On the third slide, set the log level and confirm 3.x database connection.

Database Configuration

Application Database

Backup Database

The fourth slide (in case a legacy SixView Manager was found and the choice to migrate data has been made in slide two) migration process is shown.

The RAM/CPU monitor is there so that a user can see activity while there is heavy data processing happening.

Progress
red ion

```

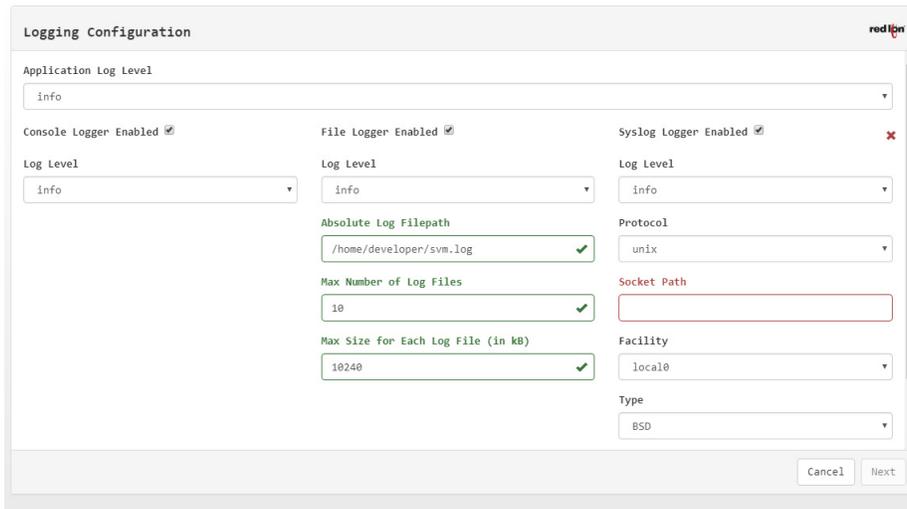
info: Copied Users: ColinJohnson, tranvankhanh, krichardson, ahilberink, timcargill, tester, testyj, rreeves, mcrites,
neillindberg, todd_goodreau, midas, Frank, jfloyd, jzimmermann, abertz, selounani, areilly, wstrine, jcoates, JSlattery,
anso, lou.serio, benoit_moussette, rjohnson, vaughnv, ken.wang, mnause, ggrangis, mark.dean, sps, cmarchman, martin.lui,
ygaloz, grangeind-rt, dhunold, AshokS, dboney, dtwine, glenn_kimberley, jeff.marcum, test3, srose, bruce.butler, rmiller,
dahunold_sixnet_1, magrawal, EdGarrity, cbroderick, mpatel, sfielding, mhoward, cleverdevices, transworld, rconnerley,
maritah, teamworksolutions, jteach, mikem, grangeind-we, mmurad, test, btuchten, Jacob, lstall, mwillett, lelliff,
jochen.zimmermann, JJolly, jblanchard, jbloemendal, wheeler, zuri, mahesh_sixnet_1
info: 74 users copied.
info: Running FirmwareMapper
info: Firmware in DB not in FileSystem. scada_firemware_upgrade_505b2976162e3
info: 0 firmware packages inserted.
info: Running FileMapper
info: Job file in DB not in FileSystem. /var/sixnetFiles/account_959a4eea-7d9b-11e0-8fb3-6cf0490f8c24/3tRH1j
info: Job file in DB not in FileSystem. /var/sixnetFiles/account_959a4eea-7d9b-11e0-8fb3-6cf0490f8c24/7z66nh
info: 7 job files inserted.
info: Running Unit AddedBy Mapper
info: Collector mongo units? 1403
info: 1403 added by records of a total 1403 updated (100%).
info: Disconnecting.
info: Mongoose connection disconnected.
info: Done SVM 2.x migration process.
Exited with code 0.
No breaking errors during migration process.
            
```

RAM

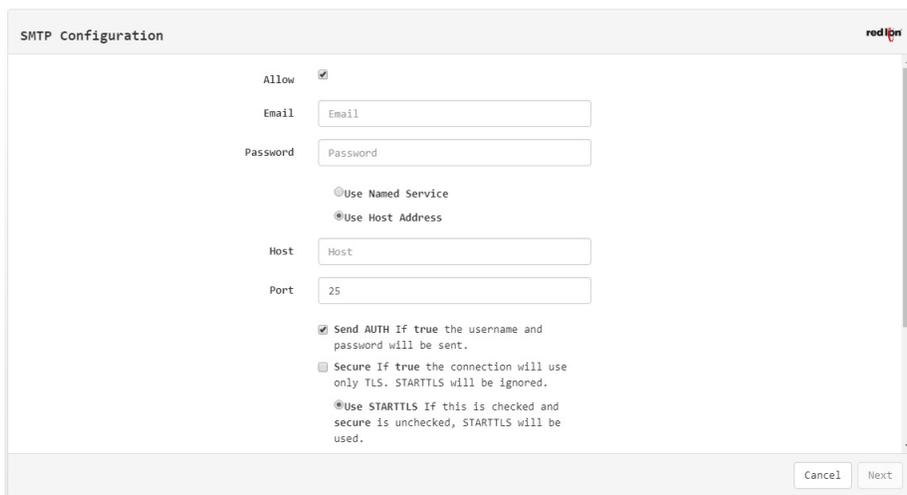
CPU

Next

On this slide, choose logging options and logging level.



The next-to-last slide is used to set SMTP configuration. Various settings such as allow/not, email credentials, and what service to use (such as Gmail or Host Address). If Host Address (as opposed to service) is selected, then TLS options are available.



The final slide confirms install/migration has completed and asks the user to initiate restart.

SixView Manager[®] Configuration complete.

Click 'Restart' to restart SVM with new configuration.

1.2 Software Installation Procedures

1.2.1 Install and Upgrade

The SixView Manager software is installed using Yellow Dog Updater, Modified (YUM). When entering the command, YUM reads as follows: `yum`.

Installing SixView Manager requires **root** access.

On and offline installation/upgrade

As root user (or sudo) enter:

- Download the SVM-repo rpm specific to desired version
 - Rename the rpm to: SVM-repo.rpm
 - Run this command: yum install -y --disablerepo=* SVM-repo.rpm
 - Upon completion run: sh /usr/local/redlion/svm/scripts/install.sh
 - Use the graphical user interface to complete installation as follows:

If installing on an OS with a browser, the browser will be opened automatically and directed to <https://localhost:18081>. If installation is done remotely, you will have to point your browser manually to the https://YOUR_SERVER_IP:18081. Click Next to begin your SixView Manager installation.

The installer will detect whether or not there is an existing SixView Manager installation. If so, there will be the option to migrate MySQL data to the new MongoDB. When installation is complete there will be a restart button on the installer. Clicking Restart will cause a ten second countdown to start. SixView Manager® will be brought down and then back up and the browser will be redirected to https://SERVER_IP:18081.

For support go to <http://www.redlion.net/support/technical-support> or call +1 (877) 432-9908 (Inside US) or +1 (717) 767-6511 (Outside US).

1.2.2 Set-up OS and Generate Keys

Note: We strongly recommend taking the time to read this section before installing SixView Manager!

Install the Linux OS onto the server.

Note: If presented with the choice to either “Install or upgrade an existing system” or “Install system with basic video driver”, choose “Install system with basic video driver” for ease of installation.

We provide basic keys with your installation. You may replace them with your own. Generate keys as follows.

- At the command line, to generate a self-signed certificate type:
 - Create RSA Key:
openssl genrsa -out server.key 1024
 - Create CSR:
openssl req -new -key server.key -out server.csr
 - Create Self-signed Certificate, good for two years in this case. Enter however many days:
openssl x509 -req -days 730 -in server.csr -signkey server.key -out server.crt

If the SixView Manager is placed behind a firewall, the ports chosen when setting up Vhosts will need to be allowed through the firewall for proper functionality of the SixView Manager. Default ports are:

- TCP port 18080 – DEPRECATED: inbound from out-of-date units (unit access to SixView Manager)
- TCP port 18081 – inbound from human users as well as unit check-in.
- TCP port 7785 – outbound to any (trigger sent from SixView Manager to remote routers)

Chapter 2 Using SixView Manager

2.1 Table Controls

This guide is written as if the user has full system privileges. Some controls mentioned may go unseen for non super users. If you believe any user should have elevated privileges, please contact the SixView Manager[®] administrator.

2.1.1 Export CSV



Export various tables via the Export table control. Export is based on a query. A user may choose to export based on a view's default query or use either the Query/Sort or Simple Search to target the data to be exported in a CSV file.

2.1.2 Page Size/Refresh



Use the Page Size/Refresh to refresh a table and/or cause the table to display more or less rows per page. Changing the size of pages will cause the pagination buttons in the bottom-right to refresh, reflecting total page count.



2.1.3 Set Columns



Click the Set Columns table control to open a list of available columns. This is a drag panel. The headers of a table are drag/drop-able. Drag headers into the columns panel to remove them from the table or drag new columns into the table by dropping them on the table header row.

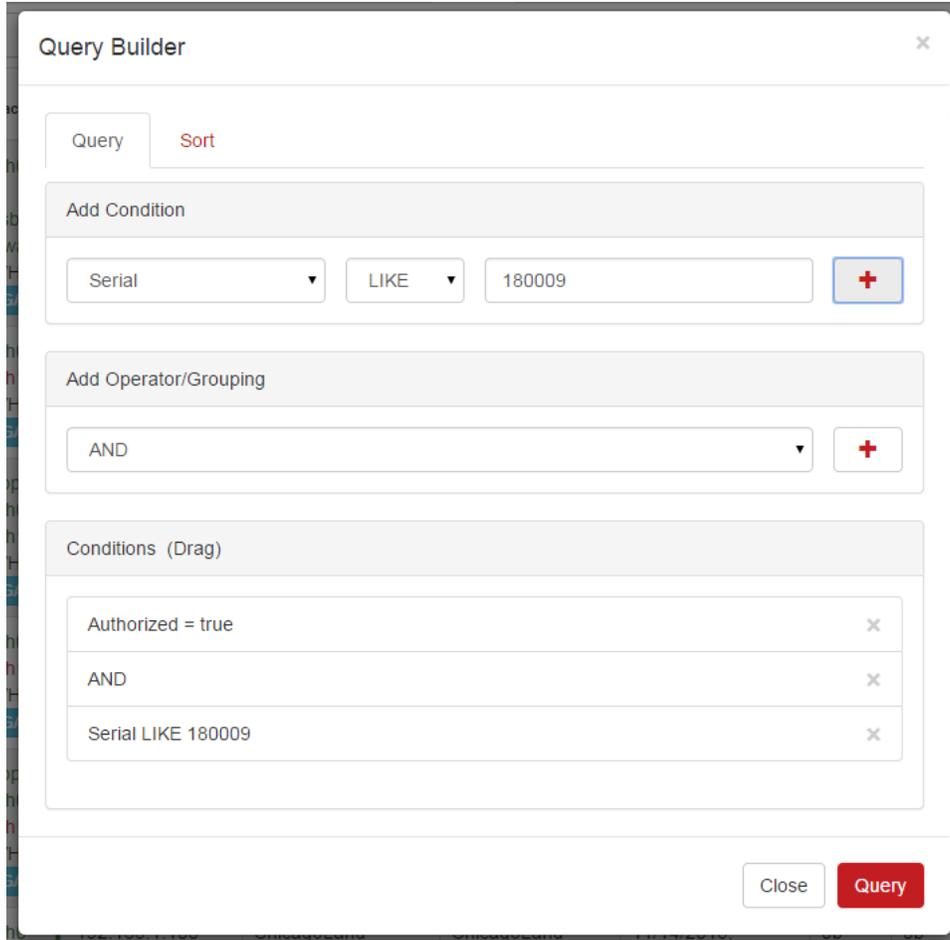
2.1.4 Simple Search



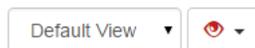
Simple Search table control has a text box for search value and a button to the right for designating what column(s) to search in.

2.1.5 Query/Sort

The Query/Sort button launches a modal that may be used to create advanced searches with advanced sorts. Use the Operator/Grouping options to create sub-queries and extend conditions.



2.1.6 Views



Every view has a default set of columns showing, a default sort, and a default query, i.e. Units shows only authorized units by default. Using different table controls alters this default(s). To save a view, use the button to the right of the dropdown. Users can set an altered view to be their own default. Set multiple views and choose the desired view via the dropdown.

2.2 Log In

User Name

Password

[Forgot username/password?](#)

Open a web browser window and navigate to your SixView Manager server [https://\[ADDRESS\]:\[PORT\]](https://[ADDRESS]:[PORT]). The log in page will appear.

Enter your username and password. Click Login to access SixView Manager. Upon successful login you will be brought directly to the Unit dashboard.

2.2.1 Forgot Login

Forgot login? No problem. Click the Forgot Username and/or Password link below the login form.

You will be prompted to enter the email associated with your account. After submitting, the interface will be put into a mode of waiting-for-user. An email will be sent which contains a unique one-time password reset link.

1. Check email.
2. Click link.
3. Return to SixView Manager.
4. Set new password.

2.3 Alerts

SixView Manager Alerts are used to email or send SMS text messages when a unit in a unit group is late by a certain number of minutes. There are three different, increasing, minute levels. Alerts are user specific and the same unit may be watched by several different users at different levels. All alerts are given a one minute buffer to account for possible timing issues. This means if an alert notification is set to be sent after a unit is five minutes late (past expected next check in), the alert is not actually sent until the sixth minute.

2.3.1 Adding Alerts

To add an alert click the add alert button in the table controls of the Alerts view. The add alert interface has three columns. In the first are all the groups a user is allowed to see. Here the user would choose a group to add an alert to. The second column shows the units of the selected group.

In the third column there is a form. This form is for setting alert parameters. Define any emails or SMS text addresses, separated by comma, for a notification of a specific alert level.

Define the number of minutes past expected check in that the devices of a group are supposed to be before the alert email/text is sent out.

Click Set Alert Level to bind the parameters to a specific level. Not all three levels must be set, but the minutes-late value must increase in ascending levels.

To edit an alert level click on the level in the display at the bottom of the parameters form to load that level into the form above.

When done with setting all parameters for all desired levels click Add Alert.

2.4 Audits

User	Event Description	Event Date
sixnet	'sixnet' logged in.	10/27/2014, 3:35:18 PM
sixnet	'sixnet' logged in.	10/27/2014, 2:52:04 PM

Audits list all user activity. Searchable data includes: User name, event, date of event, and IP address of the users.

2.5 Backups

Name	Date Created	Size	Logs
1406217565130.zip	7/24/2014, 10:59:25 AM	636m 342k 619b	

Run Backups by clicking the Backup button in the table controls. Import a backup by clicking the Upload button. Delete backups by clicking the trash can icon in the backup name column. Restore from a backup by clicking Restore. View the log of a backup by clicking the eye icon in the Logs column.

Backups consist of:

- All job files.
- A full database backup this includes notable important info such as:
 - User passwords at the time of a backup
 - User preferences/views
 - Unit detail, i.e. interfaces
 - Unit history
 - Audits

When running a backup or restore operation ALL USERS AND UNITS are locked-out of SixView Manager, *except* the initiating user.

2.6 SixView Manager Configuration

The Config view allows the SixView Manager system admin user to change some of the core settings affecting features of SixView Manager. In the Config view a tabbed interface, with two tabs, allows the admin to change SMTP and Server settings.

SMTP

- Allow (checkbox)
 - Allow or disallow sending emails from SixView Manager. If disallowed two features of SixView Manager remain unusable/unseen: “ForgotPassword” link will not be available for the reset password process, and the “Alerts” view will not even load and if there were existing alerts they will not be sent (no attempt will be made to send email(s) or SMS messages).
- Email
 - The FROM email used in both Forgot Password and Alerts.
- Password
 - The FROM email’s password.
- Named Service or Host Address (radio buttons)
 - Choose from commonly used Named Services, i.e. Gmail, Godaddy, or select Host Address for IP based SMTP configuration.
- Service (drop-down) or Host (text input)
 - Pre-populated list of common Named Service or text input for Host Address.
- Test To (text input)
 - Optional TO email address to test the SMTP settings.
- Service (drop-down) or Host (text input)
 - This button will enable if there is a test TO email address. Click it to use the SMTP settings in the form to send a test email.

Server and Unit

- Log Level
 - Set up to three logging destinations:
 - Console - SVM will use the standard error channel.
 - File - Choose a location on your system for the log file(s).
 - Syslog - Provide the system logging socket.
- Max History (number input)
 - How many records to keep of a unit’s history. Default is 500, but this may be increased or decrease.
- Interface (drop-down)
 - The interface to use in Trigger and open GAU actions. Default is Remote Host.
- GAU Port (number input)
 - The port to use when opening a web view onto GAU. The default is 10001.

2.7 Files

Title	Type	Date Added	Description	Platform
Colon-s5xunit212145	CMD	8/30/2018, 1:13:17 PM	Package	S5T
G25_GDB	CMD	7/16/2018, 10:05:06 AM		G25
Long Term Monitor	CMD	5/26/2018, 10:43:18 AM		G25

Job files are listed in this view. In the Title/Name column a user may delete or download/save job files. If delete is clicked, the user will be shown a report of all jobs that the file is used for. If the file is removed, all associated jobs (and queue entries) will be removed.

There is one special table control - an Add File button. Click Add File to open a modal with a form. Specify name, type, platform(s), and upload the job file.

Add File
✕

File Title

Description

Team

File Type

Platform ARM CI3 G25 PPC X86 S5T

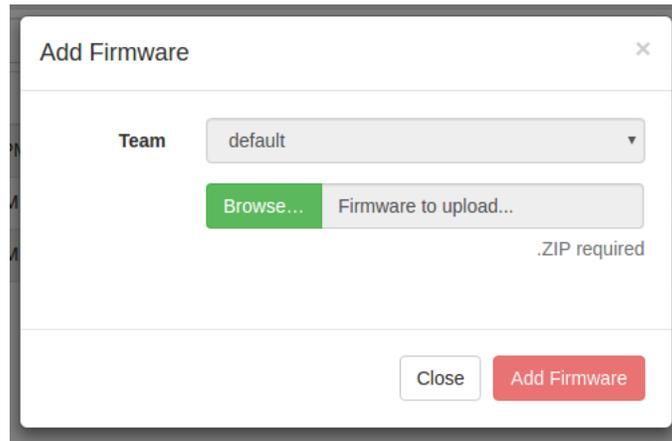
Mass Config

.ZIP or .UPD file required

2.8 Firmware

Firmware job files are listed in this view. In the Title/Name column a user may delete or download/save unit firmwares. If delete is clicked, the user will see where all the firmware is used in a report of all jobs. If the firmware is removed, all associated jobs (and queue entries) will be removed.

There is one special table control - an Add Firmware button. Click Add Firmware to open a modal with a form.



2.8.1 SixView Manager Firmware Packages

Firmware may be added in a variety of ways. Packages from redlion.net (<http://www.redlion.net/industrial-wireless-software-firmware>) may be directly uploaded, while the old standard will also still work - a boot and root (jffs2) pair in a zip. Also new is the ability to upload multiple firmware versions all in one zip.

Also new since v3.0.10 is the feature of auto-detection of version. A user no longer has to specify a package Version or Name (and can no longer specify these). The new method of upload is to simply choose what Team to add the firmware under, browse to the zip file, and click Add Firmware. SixView Manager will determine the version and platform automatically.

2.9 Jobs

Added By	Status	Unit	Changed Date	Name	Team
vladk	ISSUED	680X2681783368	9/13/2018, 11:20:24 AM	Longterm4.29Upgrade	default
vladk	ISSUED	680X2198702119	9/13/2018, 11:20:22 AM	Longterm4.29Upgrade	default
vladk	ISSUED	0711-2366460095	9/13/2018, 11:10:54 AM	Longterm4.29Upgrade	default

The Jobs view lists job queue entries and their status. From within the table rows a queue entry may be deleted in any status. Delete a single entry via the trash can icon with a one by it. Delete an entire job via trash can plus asterisk.



To add a job, click the Add Job button above the job queue table. To add a unit job, click the Add Job button at the top of the Job list in the job view. This action will open a view with two different paths to add a job target - by Unit Group or by Querying the Unit List. Unit Groups allow assignment of the job to a group of units as defined in the Groups view. Querying the Unit List is the more traditional way of adding jobs - using the Query Builder or Simple Search a user would search for the unit(s) that should receive the job. After defining the Job Target the user will then choose the job type, file, name, and platform. Finally, review and submit (or cancel/go back) the new job. Once completed (or canceled) the Job Queue will show an entry for each unit assigned the new job.

Job Name

Start :
9/14/2018, 12:07:00 PM

Team

Job Type

Platform

Job File

2.10 Units

The screenshot shows the 'Units' page in the SixView Manager interface. The top navigation bar includes 'Logout', 'Audits', 'Backups', 'Files', 'Firmwares', 'Jobs', 'Units', 'Groups', 'Migrate', 'Users', 'Permissions', 'Roles', and 'Help'. Below the navigation bar is a toolbar with 'Set Columns', '25', 'Query/Sort', 'Search', 'Export', 'Import', 'Default View', and 'Info' buttons. The main table has columns for 'Serial', 'Interfaces', 'Major Name', 'Last Check In', 'Alert', and 'Signal'. The first row shows a unit with serial '6721-9961180009', interfaces 'eth0', 'lo', 'usb0', 'wwan0', 'R/H', 'Major Name' 'SYSTEM', 'Last Check In' '10/23/2014, 3:27:48 PM', and an 'INFO' alert for 'Heartbeat'. A pagination bar at the bottom shows page 1 of 26.

Serial	Interfaces	Major Name	Last Check In	Alert	Signal
6721-9961180009	eth0 ↑ 192.168.211.172 lo ↑ 127.0.0.1 usb0 ↑ 192.168.111.1 wwan0 ↑ unknown R/H 192.168.211.172	SYSTEM	10/23/2014, 3:27:48 PM	INFO Heartbeat	

2.10.1 Importing Units



The screenshot shows a dialog box titled "Import Units — Auto-Authorized" with a close button (X) in the top right corner. The dialog is split into two main sections: "Single Unit" on the left and "Multiple Units" on the right.

Single Unit Section:

- Serial:** Input field with "Required" text.
- Major Name:** Input field with "Optional" text.
- Minor Name:** Input field with "Optional" text.
- Unit Id:** Input field with "Optional" text.
- Platform:** Dropdown menu with "Required" text.
- Use Default Id**
(Serial-Platform)

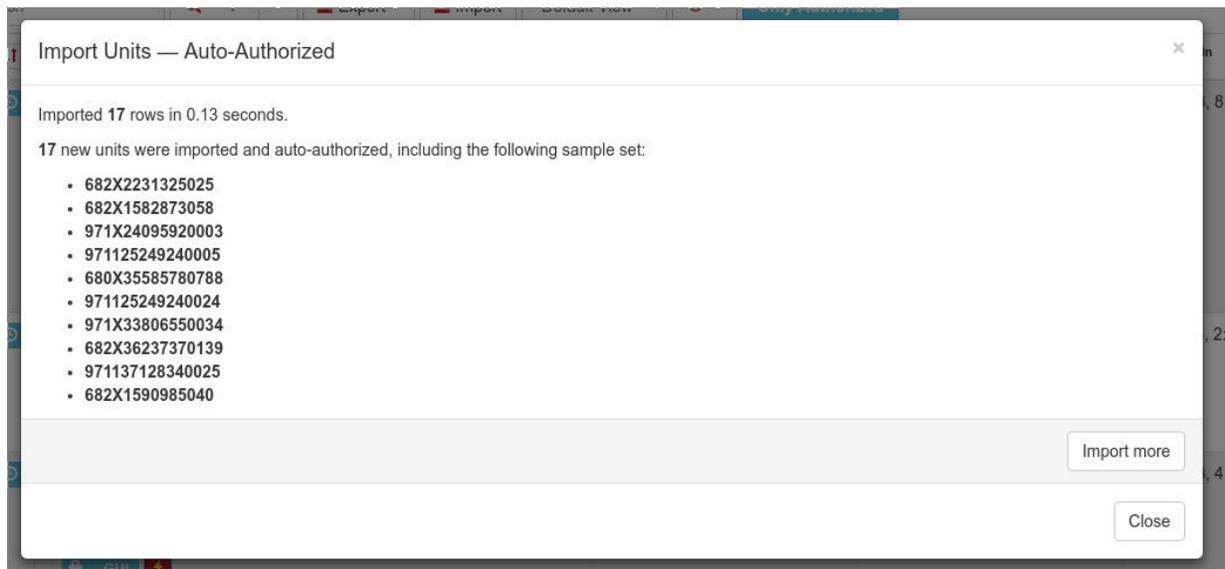
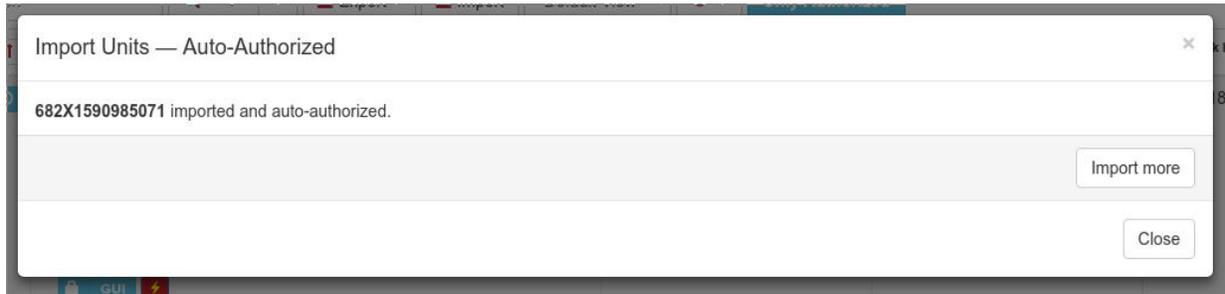
Multiple Units Section:

- CSV:** A green "Browse..." button and a "File to upload..." button. Below them, it says ".CSV or .TXT file required".
- Group Platform:** Dropdown menu with "Optional" text.
- Serial Only**
One-line, comma seperated.
- Has column label row**

Instructions:

For the best experience, please limit CSV files to 250,000 rows or less
If no column labels the unit data must be in this order:
Serial, Major Name, Minor Name, Unit Id, Platform.

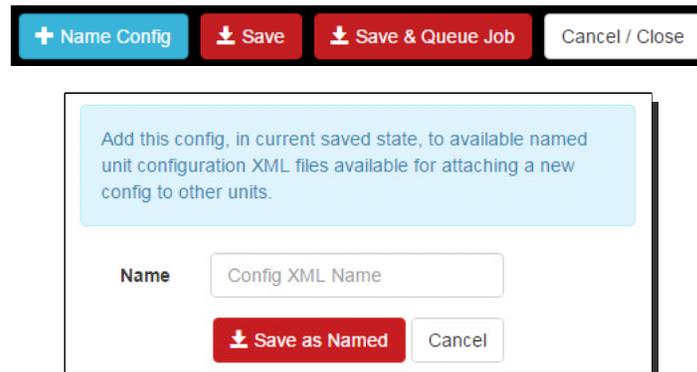
At the bottom of each section is a "+ Import" button. At the bottom right of the dialog is a "Close" button.



2.10.2 Triggering a Unit

There are times when you will want to test the unit to ensure it is still communicating, especially if the Check-In Date column shows the unit has not checked in for an abnormally long period of time. This can be done by triggering the unit. To trigger, simply click the lightning bolt icon under the Interfaces column.

2.10.3 Unit Config Editing



To request a unit config, use the “Export Unit Config” unit Action in the Unit Detail modal (launched from the unit serial column). To use the Config XML editor, drag the “Config” column into the header of the unit list so that the config column shows. The button with a pencil icon will open the config.xml editor. Alternatively configurations from a “Named Config” list can be attached to a unit by clicking the button with the plus icon in the config column (a unit may only receive config.xml(s) that were based on a config from a model that match the unit’s model). To add a configuration XML to the “Named Configs” list, click the Save Named Config. Enter the name and click Save. Changes to a unit’s configuration will never affect the newly named config. They are copies made from a file in one state and become unchangeable. When a config is attached to a unit what is actually “attached” is a copy of the named config - particular to the unit it was attached to.

After editing - or attaching - a config changes may be saved by clicking the Save button in the editor modal footer. There is also the option to Save and Queue Job that will automatically prepare a job to send the config to the unit when it checks in.

2.10.4 Still Cannot See my Device

If your units still do not display, then it is likely the unit is authorized and checking into another server. If that should happen, forward the issue to Red Lion Support. If a unit does appear unauthorized, then you can *authorize* it either through Migration dash or through searching for the unit directly in the Units dash.

Remember to check Query Builder as default unit view includes an authorized = true condition. Clearing the authorized true condition is required to see unauthorized units.

2.10.5 Accessing the GUI on Cellular Routers or RTUs

The GUI is a web based configuration tool loaded on the Red Lion Sixnet series cellular routers and RTUs. You have two choices to access the GUI, either through HTTP or secure HTTP (HTTPS). To access the GUI, select either GUI for HTTP access or GUI for HTTPS under the Interfaces column in the Unit Manager.

The GUI access page will load along with a username and password dialog box. Enter as the login admin (all lowercase). For the password, enter the serial number of the unit (all lowercase). The units GUI status page will load.

Note: If admin does not work, try jbmadmin for username.

Note: Are you sure of your password? The device-owner has the right to change the password. Perhaps the password is changed?

Should the GUI timeout, try selecting the other (either GUI or sGUI, depending on what was selected initially). Some carriers block the standard port we use to access the routers (10000). In that case, we have a back door, so

to speak, of using port 443 on HTTP to get access. Go to the window where the GUI attempted to load and change the URL where the port is tagged on (using ":10000") to 443. If they both time out, and it is not a carrier-port-issue, attempt a unit trigger. Refer to the Triggering a Unit section.

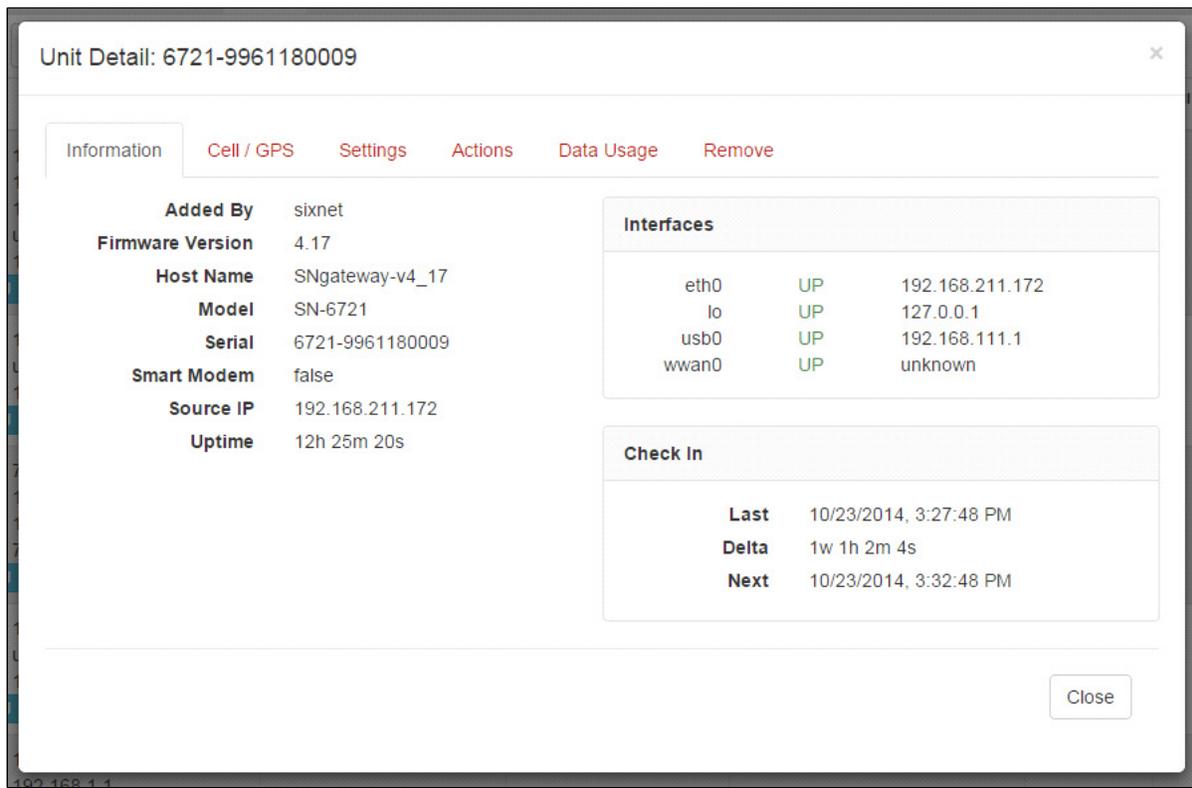
For instructions on how to navigate through the GUI, refer to the Red Lion Sixnet series cellular router or RTU user manual.

2.10.6 Unit History

Launch Unit History modal by clicking the clock icon in the serial column in the Unit view.

Note: Unit(s) will only have history if it was authorized and has checked in!

2.11 Unit Detail



The **Unit Detail** modal of the Unit view gives a closer look at the specifics of a unit. It is under the details section where information such as the platform/architecture the unit is under (which is important when adding a job), firmware version, units wireless module (if unit is equipped with one), and more. To access the details page of a unit, click the gear icon under the Serial column.

2.11.1 Information

The Information tab offers some basic information about the unit. The tab will list who authorized the unit as well as the serial number and the platform the unit is under.

2.11.2 Cell/GPS

The Cell/GPS tab shows any cell and GPS data available for a particular unit

2.11.3 Settings

The Settings tab is where the units Major and Minor name can be changed as well as authorizing or de- authorizing units. It is also on this tab where the check in intervals can be changed. To do this, place a checkmark in the poll interval checkbox and adjust the time by either clicking the up or down arrows or highlighting the number and typing the desired time (the poll intervals are in minutes). Click Save when finished.

Note: The interval will not take effect until the next scheduled check in unless manually triggered.

2.11.4 Actions

The Unit Actions tab allows the user to download the configuration, system log, gwlnx log, or GPS information (if unit is equipped with GPS functionality). To take advantage of these options, place a check in the box of the desired action. Upon next scheduled check in, the unit will download the desired action. To view the information, the user can select the [more] button on the unit's status page.

2.11.5 Data Usage Tab

The data usage tab will assist a user in keeping track on how much data the unit is using.

The **Reset** button will take the value from the *Current Data Usage*, add it to *Previous Data Usage*, and reset the current to zero.

2.11.6 Remove Unit

Select the Remove Unit tab. Get a pre-removal report on the unit before it is erased and indicate whether or not to proceed. The report will include whether or not there is existing unit history (that will be wiped) and any jobs for the unit (which will also be wiped).

2.12 Groups

Users are assigned groups which are named sets of units. To define a group, click the plus icon above the Groups panel on the left. Name the group. Query for unit(s) in the table on the right.

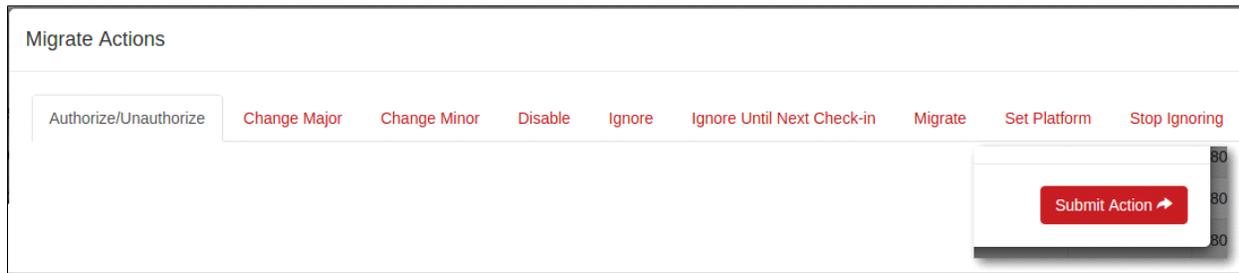
When the desired unit(s) are shown, click Add Units above the table. The unit(s) will be added to the group and shown in the middle column. The owner of a group may add and delete units as desired. Delegate Groups to subordinates using the Permissions view.

2.13 Migrate

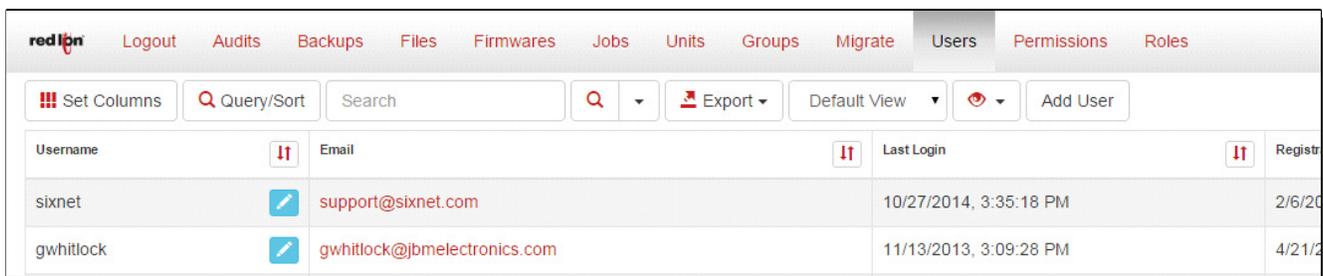


Migrate allows the user to perform these actions based on the Migrate units table search results: Migrate, Disable, Ignore, Ignore until check in, change Architecture, and Export a Unit list, as CSV, tab or comma delimited.

Basic interaction of Migrate Units will include: Define units to take action upon using the search plugin(s), Click the Choose Action button to launch the migration action modal, Select the appropriate tab from the action modal. A form relevant to the selected action will be shown. Click to Submit Action to execute.



2.14 Users



A screenshot of the Users management page in SixView Manager. The page has a navigation bar with tabs: Logout, Audits, Backups, Files, Firmwares, Jobs, Units, Groups, Migrate, Users (selected), Permissions, and Roles. Below the navigation bar is a search and action area with buttons for 'Set Columns', 'Query/Sort', 'Search', 'Export', 'Default View', and 'Add User'. The main content is a table with columns: Username, Email, Last Login, and Registr.

Username	Email	Last Login	Registr
sixnet	support@sixnet.com	10/27/2014, 3:35:18 PM	2/6/20
gwhitlock	gwhitlock@jbmelectronics.com	11/13/2013, 3:09:28 PM	4/21/2

SixView Manager has a user hierarchy system wherein the super user is the top user listed and may add users and delegate roles to them. Those users may then add their own users and may delegate any roles that they were given along to new users. See Roles to examine delegation.

2.14.1 Edit/Remove User

Users may be edited by themselves or by the user that added them (their superior). Edits to password are only allowed for a user's own user. A user may not remove oneself. Users may only be deleted from the system by their superiors.

In the case where a user is removed and users that were created under the user are adjusted so that they become underlings of the removing user (superior is adjusted).

2.15 Permissions

Permissions view is where a user would allow read and write access to their subordinates. There are four panels: Subordinates, Read Groups, Write Groups, and Created Groups. To delegate read and/or write privileges.

- Select the Subordinate to whom you want to delegate permissions to.
- To add read permissions find the desired group in Created Groups and click the R button.
- To add write permissions click the W button.

The Read and Write Groups of a subordinate will show in their respective panels. To remove read or write permissions simply click the minus (-) button on the group in the read or write group panel.

2.16 Roles

The Roles view is where roles may be granted to the subordinates of a user. There are three panels: Subordinates, Current Roles, and Add Roles. To grant roles to a user:

- Select the Subordinate to whom you want to add roles.
- Click the plus button to the right of the desired role in the Add Roles panel.

The roles of a subordinate are listed in the Current Roles panel. To remove roles click the minus (-) button.

2.16.1 Roles - Admin

Admin role allows a user to run backups and set system configuration settings.

2.16.2 Roles - Delegate

Delegate role allows for creating groups and delegating permissions.

2.16.3 Roles - Upload

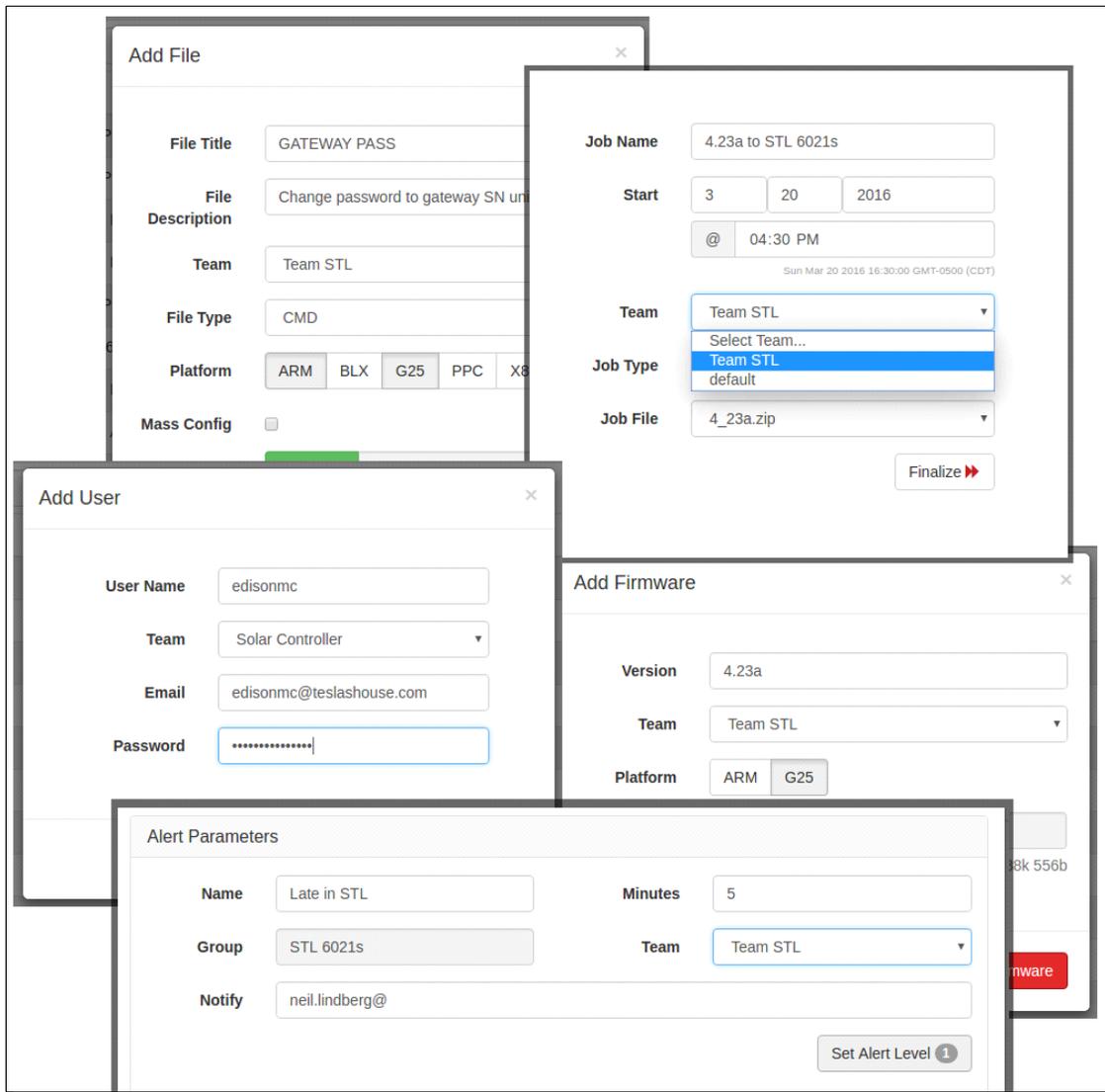
Upload role allows for uploading file actions and actions such as adding jobs.

2.17 Teams

Teams are user groups, used to share common job files, firmware files, and job viewing/adding.

There is one team “default” that may never be removed.

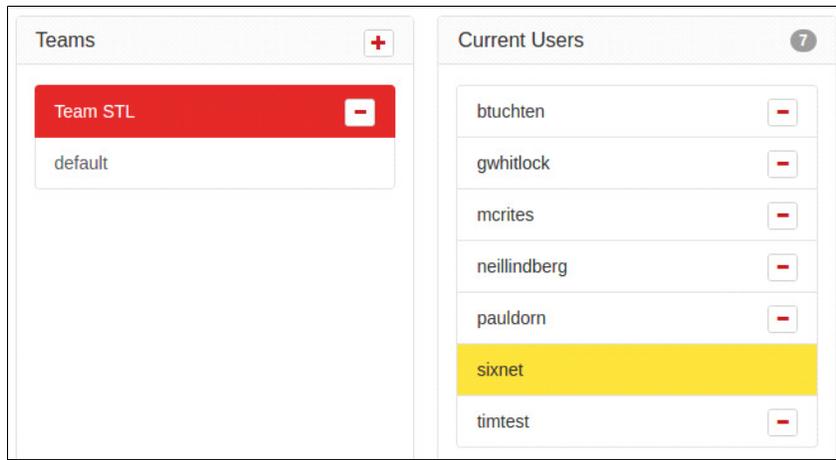
The superuser “sixnet” is on every team and cannot be removed.



2.17.1 Add and Remove Users



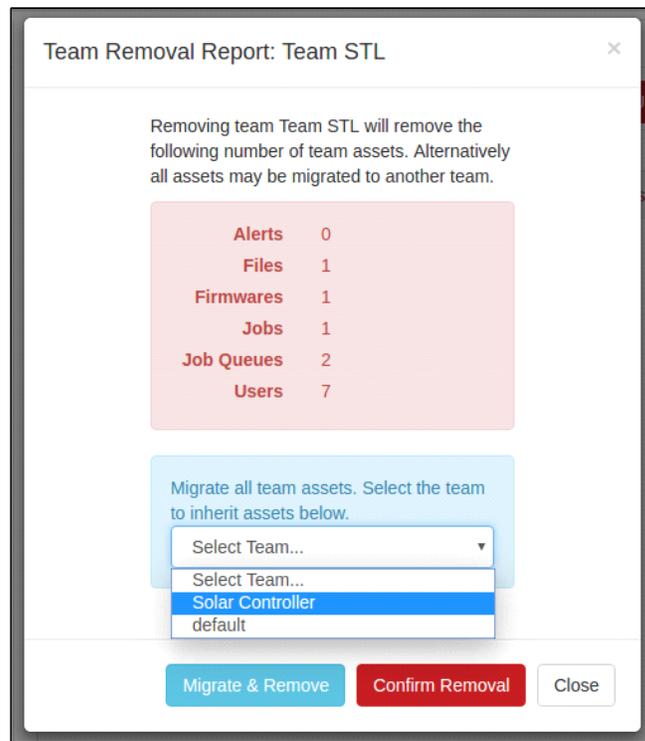
Much like unit groups, in the Groups view, a Team is added by clicking the plus button in the first panel from the left. Clicking the button launches a modal for naming the new team. To add users, use the search plugins on the table to the right to find users and when the desired user(s) are listed, click the Add To Team button.



To remove team members, select the Team in the in the first panel from the left. This will cause the middle panel to populate with the team members. Click the minus (-) button next to the team member to remove.

2.17.2 Remove and Migrate Team

To remove an entire team, click the minus (-) button to the right of the team's name (this action does not remove users from SixView Manager). First, a team's assets need to be migrated. If a team has users that would be without any team upon removal, the team is not allowed to be removed until the users are either removed or migrated to another team.



2.18 Erratum

List of known issues.

2.18.1 FireFox and Saving Passwords

There is a known issue with FireFox (and some phone browsers) where, if a form has a password field and is set to auto-populate from a saved password, the validation of some login forms will fail. Ideally a user should never save their SixView Manager password in any browser, but especially FireFox.

Service and Support Information

Service Information

We sincerely hope that you never experience a problem with any of our products. If you do need service, call Red Lion at 1-877-432-9908 for Technical Support. A trained specialist will help you determine the source of the problem. Many problems are easily resolved with a single phone call. If it is necessary to return a unit to us, an SO (Service Order) can be obtained on the [Red Lion website](#).

Red Lion tracks the flow of returned material with our SO system to ensure speedy service. You must include this SO number on the outside of the box so that your return can be processed immediately.

Be sure to have your original purchase order number and date purchased available.

We suggest that you give us a repair purchase order number in case the repair is not covered under our warranty. You will not be billed if the repair is covered under warranty.

Please supply us with as many details about the problem as you can. The information you supply will be written on the SO form and supplied to the repair department before your unit arrives. This helps us to provide you with the best service, in the fastest manner. Repairs are completed as soon as possible. If you need a quicker turnaround, ship the unit to us by air freight. We give priority service to equipment that arrives by overnight delivery.

We apologize for any inconvenience that the need for repair may cause you. We hope that our rapid service meets your needs. If you have any suggestions to help us improve our service, please give us a call. We appreciate your ideas and will respond to them.

For Your Convenience:

Please fill in the following and keep this manual with your Red Lion system for future reference:

P.O. #: _____ Date Purchased: _____

Purchased From: _____

Serial Number: _____

Product Support

Inside US: +1 (877) 432-9908
Outside US: +1 (717) 767-6511
Fax: +1 717 764-0839
E-mail: support@redlion.net
Hours: 8:00 am to 6:00 pm EST

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