Tools Menu – Non Admin

Tools Menu

- **List Hosts**
  - Displays all managed hosts with their connection information. To make changes, click the host name of interest.

- **Optimize List**
  - Given a SMU list, this produces an optimized list that includes any missing pre-requites.

- **Edit User**
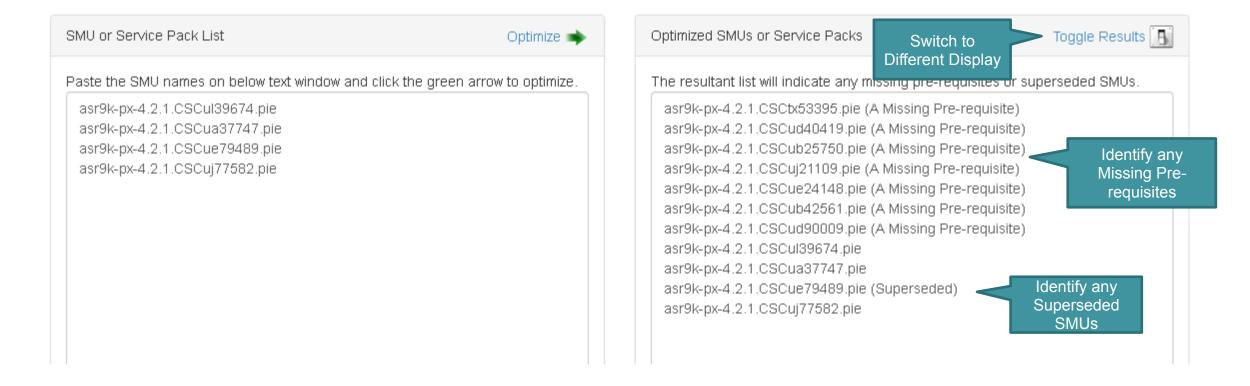 - Modifies the current user authentication and other information.

- **User Preferences**
  - Excludes platforms from the CCO Lookup menu.
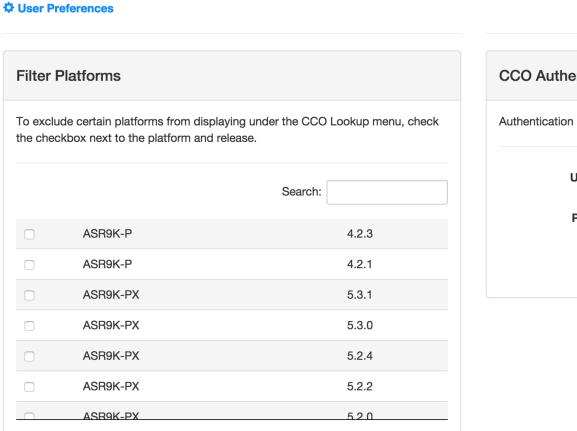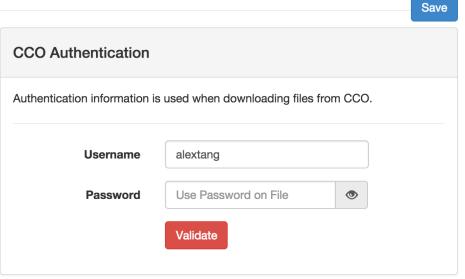 - Defines Cisco authentication.

.

Optimize List

- Given a SMU list, CSM Server identifies any missing pre-requisites as well as superseded SMUs and returns an optimal list.

- The SMU names in the list can be in different formats so long as the platform and release are identifiable.

SMU or Service Pack List	Optimize ➡

Paste the SMU names on below text window and click the green arrow to optimize.

```
asr9k-px-4.2.1.CSCul39674.pie
asr9k-px-4.2.1.CSCua37747.pie
asr9k-px-4.2.1.CSCue79489.pie
asr9k-px-4.2.1.CSCuj77582.pie
```

Optimized SMUs or Service Packs	Toggle Results 🔲

Switch to Different Display

The resultant list will indicate any missing pre-requisites or superseded SMUs.

```
asr9k-px-4.2.1.CSCtx53395.pie (A Missing Pre-requisite)
asr9k-px-4.2.1.CSCud40419.pie (A Missing Pre-requisite)
asr9k-px-4.2.1.CSCub25750.pie (A Missing Pre-requisite)
asr9k-px-4.2.1.CSCuj21109.pie (A Missing Pre-requisite)
asr9k-px-4.2.1.CSCue24148.pie (A Missing Pre-requisite)
asr9k-px-4.2.1.CSCub42561.pie (A Missing Pre-requisite)
asr9k-px-4.2.1.CSCud90009.pie (A Missing Pre-requisite)
asr9k-px-4.2.1.CSCul39674.pie
asr9k-px-4.2.1.CSCua37747.pie
asr9k-px-4.2.1.CSCue79489.pie (Superseded)
asr9k-px-4.2.1.CSCuj77582.pie
```

Identify any Missing Pre-requisites

Identify any Superseded SMUs

User Preferences

▪ Defines the per-user preferences. This includes excluding certain platforms and releases from displaying under the CCO Lookup menu and CCO authentication information.

⚙ **User Preferences**

Save

Filter Platforms

To exclude certain platforms from displaying under the CCO Lookup menu, check the checkbox next to the platform and release.

Search: [   ]

☐	ASR9K-P	4.2.3
☐	ASR9K-P	4.2.1
☐	ASR9K-PX	5.3.1
☐	ASR9K-PX	5.3.0
☐	ASR9K-PX	5.2.4
☐	ASR9K-PX	5.2.2
☐	ASR9K-PX	5.2.0

CCO Authentication

Authentication information is used when downloading files from CCO.

Username [alextang]

Password [Use Password on File] 👁

[Validate]

4

Tools Menu - Admin

Admin Menu – Requires Admin Privilege

- **Admin Dashboard**
  - Allows the administrator to configure CSM Server.

- **Import Hosts**
  - Imports hosts via comma delimited texts.

- **Create User**
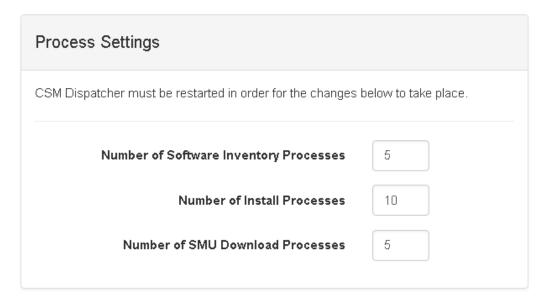 - Creates new users on the system.
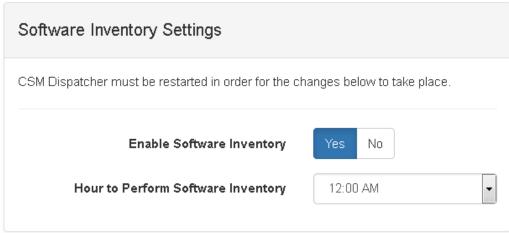
- **List All Users**
  - Displays all the users defined in the system. To make changes, click the user name of interest.

- **System Logs**
  - Displays all the system logs captured by CSM Server. These logs help determine anomalies that have occurred on CSM Server.
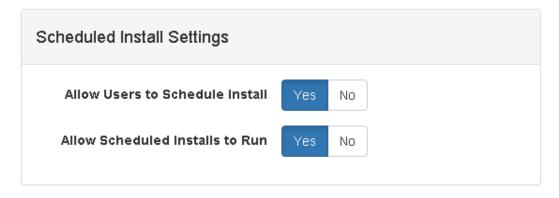
Admin Dashboard - General

Process Settings

CSM Dispatcher must be restarted in order for the changes below to take place.

Number of Software Inventory Processes	5
Number of Install Processes	10
Number of SMU Download Processes	5

Software Inventory Settings

CSM Dispatcher must be restarted in order for the changes below to take place.

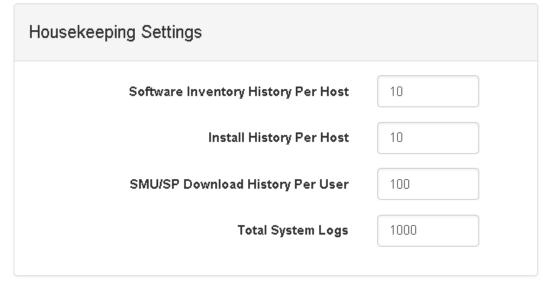|	
Enable Software Inventory	Yes / No
Hour to Perform Software Inventory	12:00 AM

- **Process Settings**
  - The number of processes to use to retrieve software inventory information.
  - The number of processes to use to perform scheduled installation.
  - The number of processes to use to download SMUs or Service Packs.

- **Software Inventory Settings**
  - Enabled by default.
  - Specify the hour of the day to perform the software inventory function (i.e. retrieving software package information from managed hosts).
  - After the software inventory function is performed, CSM Server will perform other housekeeping tasks (see Housekeeping Settings).

Admin Dashboard - General

Scheduled Install Settings

Scheduled Install Settings

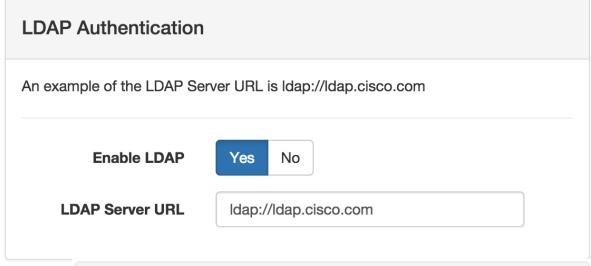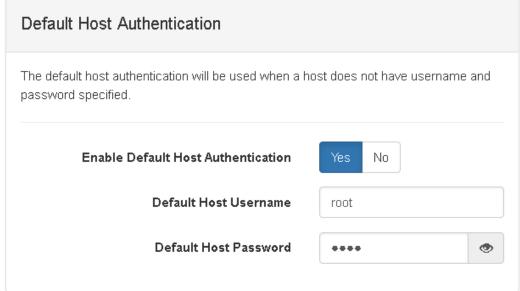| Allow Users to Schedule Install | **Yes** | No |
| Allow Scheduled Installs to Run | **Yes** | No |

- **Scheduled Install Settings**
  - By default, CSM Server enables users to schedule installations on managed hosts.
  - By Default, CSM Server enables scheduled installations to run.

Housekeeping Settings

Housekeeping Settings

Software Inventory History Per Host	10
Install History Per Host	10
SMU/SP Download History Per User	100
Total System Logs	1000

- **Housekeeping Settings**
  - Specify the number of software inventory history records to keep per host.
  - Specify the number of install history records to keep per host.
  - Specify the number of SMU/SP download history records to keep per user.
  - Specify the number of system log records to keep on the system.
  - CSM Server will purge the history records based on the numbers specified on a daily basis (see Software Inventory Settings).
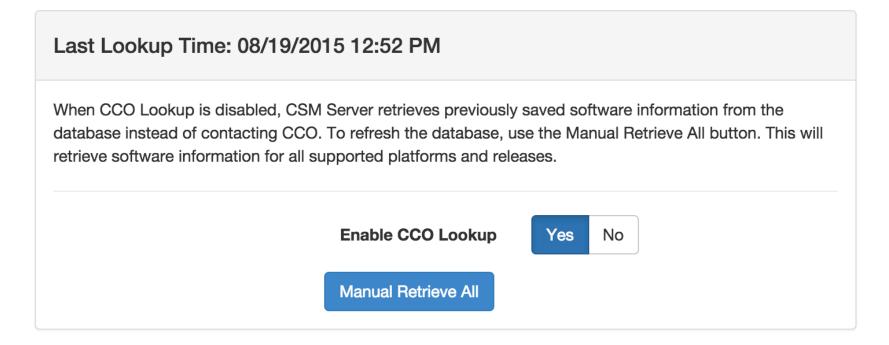
Admin Dashboard - Authentication

LDAP Authentication

An example of the LDAP Server URL is ldap://ldap.cisco.com

Enable LDAP   [Yes] [No]

LDAP Server URL   [ldap://ldap.cisco.com]

Default Host Authentication

The default host authentication will be used when a host does not have username and password specified.

Enable Default Host Authentication   [Yes] [No]

Default Host Username   [root]

Default Host Password   [••••] [👁]

- **LDAP Authentication**
  - The LDAP user interface is only available if python-ldap is installed. Refer to the install guide on how to install python-ldap and required libraries.
  - When a user is first authenticated with a LDAP server, if the user does not already exist in the CSM Server database, a new user will be created and assigned with a Network Admin privilege.
  - By default, LDAP authentication is disabled. The LDAP Server URL can either be a non-secure or secure URL (i.e., ldap:// or ldaps://).

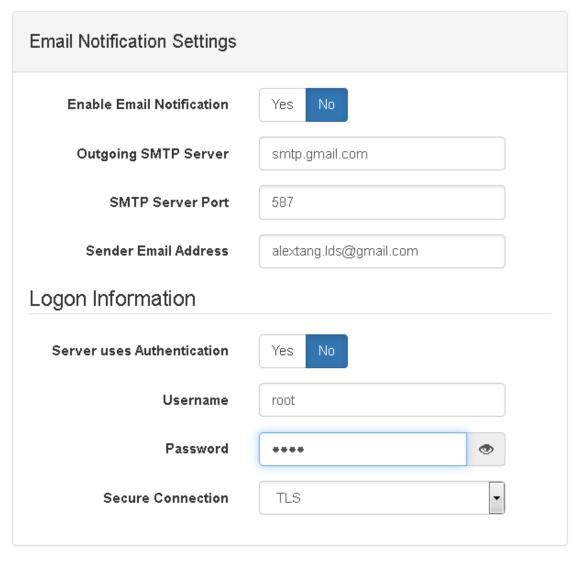- **Default Host Authentication**
  - Disabled by default.
  - The default host authentication will be used when a host does not have username and password specified.

Admin Dashboard - CCO

Last Lookup Time: 08/19/2015 12:52 PM

When CCO Lookup is disabled, CSM Server retrieves previously saved software information from the database instead of contacting CCO. To refresh the database, use the Manual Retrieve All button. This will retrieve software information for all supported platforms and releases.

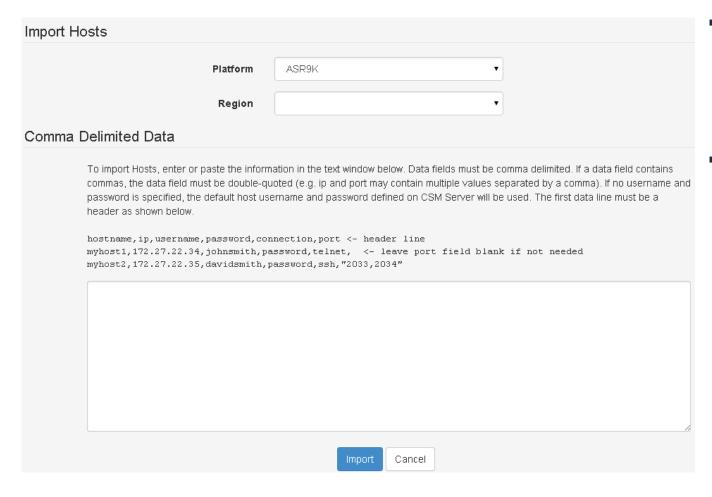Enable CCO Lookup   Yes   No

Manual Retrieve All

- When Enable CCO Lookup is enabled, CSM Server will contact CCO for all software information inquiry.

- Click Manual Retrieve All to retrieve all software information from CCO for all supported platforms and releases. Information will be stored in the database.

Admin Dashboard - Notifications

Email Notification Settings

Enable Email Notification   Yes No

Outgoing SMTP Server   smtp.gmail.com

SMTP Server Port   587

Sender Email Address   alextang.lds@gmail.com

Logon Information

Server uses Authentication   Yes No

Username   root

Password   ●●●●

Secure Connection   TLS

- Enable notification is disabled by default. Click Yes to enable it.

- Define the SMTP server information. Some SMTP servers may require user authentication. If that is the case, click Yes and define the user authentication information.

- CSM Server uses the SMTP settings to email users about scheduled install status.

Import Hosts

Import Hosts

Platform: ASR9K

Region:

Comma Delimited Data

To import Hosts, enter or paste the information in the text window below. Data fields must be comma delimited. If a data field contains commas, the data field must be double-quoted (e.g. ip and port may contain multiple values separated by a comma). If no username and password is specified, the default host username and password defined on CSM Server will be used. The first data line must be a header as shown below.

```
hostname,ip,username,password,connection,port <- header line
myhost1,172.27.22.34,johnsmith,password,telnet,   <- leave port field blank if not needed
myhost2,172.27.22.35,davidsmith,password,ssh,"2033,2034"
```

Import   Cancel

- **Import Hosts**
  - Select the platform type of the hosts to be imported.
  - Select the region for the hosts to be imported.

- **Comma Delimited Data**
  - Paste the comma delimited data in the text window. The first line must be a header line followed by the host data fields to be imported.
  - The username and password fields are not mandatory. If no hostname and password is specified, CSM Server will use the default host authentication defined on the Admin Dashboard if it is enabled.
  - The ip and port data fields support comma delimited values. In this case, double quotes must be used to quote the values.