HPE SI2 Automation Controller

Requestor Guide

DRAFT v. 0.2

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1 Guide Document Control

The following Change History log contains a record of changes made to this document:

Published / Revised Date mm/dd/yyyy	Version #	Author (optional)	Section / Nature of Change
2/24/2016	0.2	Kelly Garcia, Janet Carey, Shaw Chang, Sathish HC, Cynthia Skinner, Solomon Taso	Added a note regarding "this feature is only available for authorized users" when editing Device Actions in sections 5.6.2.1.2, Edit (Router/Switch) 5.6.2.2.2, Edit (Firewall), and 5.6.2.2.3. Edit (Hub). Added a new Chapter 6 "Network Configuration Manager (NCM), based on a demonstration by Neal Blackburn.
2/04/2016	0.1	Kelly Garcia, Janet Carey, Shaw Chang, Sathish HC, Cynthia Skinner, Solomon Taso	The following revisions were included, based on a review of the Initial draft by Kelly Garcia & Cynthia Skinner: -Chapter 2. "Overview": Removed the bullet for Redmine. -Chapter 4. "Home": edited the screen example of the Home page to remove callouts. -Chapter 5. "Feature Icons": added a brief description for each feature. In Section 5.2 "CI Device Instance Viewer": replaced CMDB specific reference with the term "data source, such as CMDB". In Section 5.2.2 "Edit Device Details": added **Note: Only real time configuration accounts with sufficient Infrasec authorization are allowed to view/edit device configurations.** Also, added the Edit icon to instructions. Removed the CMDB reference and added historical device configuration information. In Section 5.3 "Browse Automations", added an introduction sentence. In Section 5.4 "Automation Service Provider Manager": added user and SI2 AC Administrator information to the introduction. In Section 5.4.1 "Add a Service Type": added a note to contact the team to add an ASP pending NetSRM catalog item". In Section 5.4.2: Manage Service

			Accounts", added a note for SI2 AC Administrators. In Section 5.5 "Device Profile Manager", added a sentence that users can use to define device profile. In Section 5.5.1 "Add a Device Type": added a note that duplicate names are not allowed. In Section 5.6 "Automation Action Manager": added a description. Also added descriptions for Device Actions, API Actions, and Device Policies. In Section 5.6.1.1 "Add New Action": added information about the fields filtering based on previous selections for the device profile. In Section 5.6.2.1 "Router/Switch": added code base compiled based on 3 parameters for OS Version, Revision, and Release. In Section 5.6.2.1.1 "View" added another step to "click the View icon". In Section 5.6.2.1.2 "Edit": added another step to "click the Edit icon".
2/03/2016	Draft	Kelly Garcia, Janet Carey, Shaw Chang, Sathish HC, Cynthia Skinner, Solomon Taso	Initial draft, based on a demonstration by Kelly Garcia.

2

Overview

This guide includes instructions for how Requestors can use the SI2 Automation Controller to:

- View and edit device information

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Login

1. Click on the following SI Automation Controller url or enter the address into your internet browser address field:

   [url pending](#)

   The **SI2 Automation Controller Login** screen displays.

2. Enter your **HPE Email address**.
3. Enter your **HPE Network Password.**
4. Click **Login**. The **SI2 Automation Controller Home** screen displays.

3.1 Register New User

If you are a new user to SI2 Automation Controller, you will need to register before you can log into the tool.

To register as a new user in SI2 Automation Controller:

1. Click on the **Register New User** button. The **User Registration** screen displays.

2. Enter information in the following fields (all fields labeled with a red asterisk (*) are required):
   - **First Name** – enter your first name (required).
   - **Middle Name** – enter your middle name (optional).
   - **Last Name** – enter your last name (required).
   - **Your Title** – enter your title / job position (optional).
   - **Email** – enter your HP email address (required).
   - **Phone 1** – enter your primary telephone number (optional).
   - **Phone 2** – enter your secondary telephone number (optional).
   - **Manager First Name** – enter your Manager's first name (required).
   - **Manager Last Name** – enter your Manager's last name (required).
   - **Manager Email** – enter your Manager's HP email address (required).
   - **Local Login ID (Email)** – enter your HP email address (required).
   - **Password** – enter your password (required).
   - **Repeat Password** – enter your password again (required).
3. Click **Register**.

The **Registration** window closes. An auto email will be sent to you to confirm that a **SI2 Local Password** has been created.

3.2 Reset Password

If you have forgotten your SI2 password:

1. Click on the **Reset Password** link. The **Reset Password** window displays.

2. Select the "**yes**" radio button for "**I lost my password**". The **SI2 Reset Password** window displays the **Email ID** field.

3. Enter your HP Email address in the **Username** field (required).
4. Click **Save**. You will receive an email with your new SI2 password.

To change your Password:

1. Select the **No** button next to **I lost my password**.
2. Enter your HP email address as your **Username** (required).

3. Enter your **Old Password** (required).
4. Enter your **New Password** (required).
5. Enter your **New Password** again in the **Retype Password** field (required)
6. Click **Save**.

If you have any questions or need assistance, please contact the SRCC at 001-972-604-8770 (US Toll Free Number).

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Home

This first screen that displays after you log into the SI2 Automation Controller is the Home screen. You can return the Home screen from any other screen in the tool by clicking on the logo in the upper left corner of your screen.

4.1 Documentation & Support

Select the links in the upper left corner of your screen to:

- Access user **Documentation**.
- Request **Support** assistance.

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Feature Icons

In the lower section of your screen, there are six icons that you can select to access the following SI2 Automation Controller features:

- Engineering Node Terminal - Not functional.
- CI Device Instance Viewer – Allows you to view and edit device configuration instances.
- Browse Automations- displays the Automation Inventory Summary, which includes metrics for categorized available active accounts.
- Automation Service Provider Manager- Allows users to view the list of ASPs and provides SI2 AC Administrators the ability to update and add new ASPs.
- Device Profile Manager- Allows users to define device profiles.
- Automation Action Manager- Allows users to view and define device actions, API actions, and device polities.

5.1 Engineering Node Terminal

Select an Account Type and a Device to view a quick real time console for the device.

***** This feature is currently under construction *****

5.2 CI Device Instance Viewer

The CI Device Instance Viewer allows you to view and edit device configuration instances.

1. Select an **Account**. The **Account** window displays to show the data sources included in the **Account**.

2. Select a data source, such as "**CMDB**". The **CI Device Viewer Instance** displays a list of devices for the selected Account.

Information

CI DEVICE INSTANCE VIEWER

HP LAB > CMDB : LIST MODE

Manage	Id	Devicename	Ipaddress	Ipv6address	Org	Deviceprofile	Type	Model	Os	Description
Page 1										
	1	usabhceeds9001.mcsp.com	192.168.90.1		HP Lab	Switch HP 3500yl-24G K.12.57	Router/Switch	3500yl-24G	Procurve K.12.57	Lab Cisco C2851 Router 12.4(18)
	2	usplnacmcsp5458.mcsp.com	192.168.54.58		HP Lab	Switch Hewlett-Packard 5800 5.20	Router/Switch	5800	Procurve K.12.57	Lab HP 3500yl (Procurve) Switch K.12.57
	3	usplnacmcsp5468.mcsp.com	192.168.54.68		HP Lab	S5500-28C-EI 5.20 Release 2208	Router/Switch	S5500-28C-EI	Comware 5.20, Release 2208	Lab Cisco S5500-28C-EI Switch v5.20 r2208
	4	usplnacmcsp5469.mcsp.com	192.168.54.69		HP Lab	S5500-28C-EI 5.20 Release 2208	Router/Switch	S5500-28C-EI	Comware 5.20, Release 2208	Lab Cisco S5500-28C-EI Switch v5.20 r2208
	5	usplnacmcsp5475.mcsp.com	192.168.54.75		HP Lab	Lab L3Switch Cisco WS-C3750G-24TS-E1U Cisco IOS 12.2(44)SE3	Router/Switch	WS-C3750G-24TS-E1U	Cisco IOS 12.2(44)SE3	Lab Cisco 3750 Switch 12.2(44)SE3
	6	usplnacmcsp5476.mcsp.com	192.168.54.76		HP Lab	Lab Switch H3C S5120-28C-EI H3C IOS 5.20 Release 2208	Router/Switch	S5120-28C-EI	H3C IOS 5.20	Lab Cisco 5120 Switch V5.20 R2208
	7	usplnacmcsp5483.mcsp.com	192.168.54.83		HP Lab	Router Cisco WS-C3750-48TS-S 12.2(46)SE	Router/Switch	WS-C3750-48TS-S	Cisco IOS 12.2(46)SE	Lab Cisco C3750 Switch 12.2(46)SE
	8	usplnacmcsp5484.mcsp.com	192.168.54.84		HP Lab	Router Cisco C2811 12.4(7b)	Router/Switch	C2811	Cisco IOS 12.4(7b)	Lab Cisco C2811 Router 12.4(13r)T
	9	usplnacmcsp5485.mcsp.com	192.168.54.85		HP Lab	7206VXR Router 12.2(25)S12	Router/Switch	7206 (7200 series)	Cisco IOS 12.2(25)S12	Lab Cisco C7206 Router 12.0(31)S1
	10	usplnacmcsp5489.mcsp.com	192.168.54.89		HP Lab	7206VXR Router 12.2(25)S12	Router/Switch	7206 (7200 series)	Cisco IOS 12.2(25)S12	Lab Cisco C7206 Router 12.0(31)S1
	11	usplnacmscp5478.mcsp.com	192.168.54.78		HP Lab	Lab Switch HP A5800-24G Comware 5.20 Release 1211P01	Router/Switch	A5800-24G (JC100A)	Comware 5.20	Lab Hewlett-Packard HPN 5800 Switch V 5.20 r12
	12	usplnds0054086.mcsp.com	192.168.54.86		HP Lab	L3Switch Cisco WS-C6509-E 12.2(18)SXF14	Router/Switch	WS-C6509-E	Cisco IOS 12.2(18)SXF14	Lab Cisco WS-C6509-E Switch 12.2(17r)S2
	13	usplnds0054087.mcsp.com	192.168.54.87		HP Lab	L3Switch Cisco WS-C6509-E 12.2(18)SXF14	Router/Switch	WS-C6509-E	Cisco IOS 12.2(18)SXF14	Lab Cisco WS-C6509-E Switch 12.2(17r)S2

3. Click and drag on the scroll bars:
   - At the bottom of the screen to view additional columns (left - right).
   - On the right side of the screen to view additional rows.

Remove Filters

Manage	Id	Devicename	Ipaddress	Ipv6address	Org	Deviceprofile	Type
			192.				
Page 1							
	1	usabhceeds9001.mcsp.com	192.168.90.1		HP Lab	Switch HP 3500yl-24G K.12.57	Router/Switch
	2	usplnacmcsp5458.mcsp.com	192.168.54.58		HP Lab	Switch Hewlett-Packard 5800 5.20	Router/Switch
	3	usplnacmcsp5468.mcsp.com	192.168.54.68		HP Lab	S5500-28C-EI 5.20 Release 2208	Router/Switch
	4	usplnacmcsp5469.mcsp.com	192.168.54.69		HP Lab	S5500-28C-EI 5.20 Release 2208	Router/Switch
	5	usplnacmcsp5475.mcsp.com	192.168.54.75		HP Lab	Lab L3Switch Cisco WS-C3750G-24TS-E1U Cisco IOS 12.2(44)SE3	Router/Switch
	6	usplnacmcsp5476.mcsp.com	192.168.54.76		HP Lab	Lab Switch H3C S5120-28C-EI H3C IOS 5.20 Release 2208	Router/Switch
	7	usplnacmcsp5483.mcsp.com	192.168.54.83		HP Lab	Router Cisco WS-C3750-48TS-S 12.2(46)SE	Router/Switch
	8	usplnacmcsp5484.mcsp.com	192.168.54.84		HP Lab	Router Cisco C2811 12.4(7b)	Router/Switch
	9	usplnacmcsp5485.mcsp.com	192.168.54.85		HP Lab	7206VXR Router 12.2(25)S12	Router/Switch
	10	usplnacmcsp5489.mcsp.com	192.168.54.89		HP Lab	7206VXR Router 12.2(25)S12	Router/Switch

4. Enter a search criteria in a filter field above any of the column headings. The list updates to display matching results.
5. Click **Remove Filters** to restore the original view.

Manage	Id	Devicename	Ipaddress	Ipv6address	Org	Deviceprofile	Type
Page 1							
	1	usabhceeds9001.mcsp.com	192.168.90.1		HP Lab	Switch HP 3500yl-24G K.12.57	Router/Switch
	2	usplnacmcsp5458.mcsp.com	192.168.54.58		HP Lab	Switch Hewlett-Packard 5800 5.20	Router/Switch
	3	usplnacmcsp5468.mcsp.com	192.168.54.68		HP Lab	S5500-28C-EI 5.20 Release 2208	Router/Switch
	4	usplnacmcsp5469.mcsp.com	192.168.54.69		HP Lab	S5500-28C-EI 5.20 Release 2208	Router/Switch
	5	usplnacmcsp5475.mcsp.com	192.168.54.75		HP Lab	Lab L3Switch Cisco WS-C3750G-24TS-E1U Cisco IOS 12.2(44)SE3	Router/Switch

6. The icons in the first column on the left side of the screen allow you to view or edit the device on that row:
   - Select to **View** details for the device.
   - Select to **Edit** the device details.

5.2.1 View Device Details

1. Click to **View** the device details. The **Device CI Instance (View)** displays.

2. Scroll down the window to view additional fields.

5.2.2 Edit Device Details

1. Click to **Edit** the device details. The **Device CI Instance (Edit)** window displays.

2. Scroll down the window to view additional fields.

3. Fields you can edit include:
   - **Device Profile**
   - **Managing ASP Instance** - actually in CMDB.

- **Test Devices** - Allows you to run non-approved actions against the device (test actions).

Note: Only real time configuration accounts with sufficient Infrasec authorization are allowed to view/edit device configurations.

4. The first four fields are auto populated as data elements from a data source, such as CMDB:
   - **Device Instance Name**
   - **IP Address**
   - **Organization**
   - **CI Data Source Name**

5. Click the drop down arrow and select a **Device Profile**.
6. The next fields are auto populated by the managing device instance, such as CMDB:
    - **Type**
    - **Vendor**
    - **Model**
    - **HW Version**
    - **HW Version Revision**
    - **OS**
    - **OS Version**
    - **OS Release**

7. Click the drop down arrow and select the **Managing ASP Instance**.
8. The **Device Instance Function** is auto populated from the data source / CMDB.
9. Select or unselect the **Test Device** checkbox to indicate if non-approved test actions can be run against this device.

All other fields are auto populated from a data source such as CMDB.

- **Open Testing Node Terminal** – Not yet working, but will provide a real time console for the device.
- **Get Real Time Configuration** – Pulls down and stores real time configuration for a device in one database.
- **CI Activity History** – Listing of activities against this device (multiple events are itemized).

10. Select **Get Real Time Configuration.** A pop up dialog displays the real time configuration for the device.

11. Select **CI Activity History**. A pop up dialog displays the list of activities performed against the device.

12. In the lower right corner of your screen, select **Available Automation Actions**. The section expands to display the actions available.

13. Click on the **Edit** icon. The **Device Action** window displays in **Edit Mode**.

14. Select or enter information in the following fields (scroll down the window to view additional fields):
    - **CommonActionName** – Click the drop down arrow and select the common name.
    - **Action Name** – Enter a name for the action.
    - **Version** – Number of version (auto populated)
    - **Action Type** – Click the drop down arrow and select “Monitoring”, “Trending”, “Proactive”, or “Reactive”.
    - **Device Profile** - Click the drop down arrow and select the profile for the device.
    - **Status** – Click the drop down arrow and select the status, such as “In Development”.
    - **State** – Click the drop down arrow and select the state, such as “Locked”.
    - **Read Only** – Select the check box to make this action “Read Only”.
    - **Create Date** – Date and time when the action was created (auto populated).
    - **Last Update** – Date and time when the action was last updated (auto populated).
    - **Human Time (HH:mm:ss)** – Amount of human effort saved by this action, as displayed in hours (HH), minutes(mm), seconds(ss) in “00:00:00” format.
    - **Automation Time (HH:m:ss)** – Automation time of action, as displayed in hours (HH), minutes(mm), seconds(ss) in “00:00:00” format.
    - **Action Elements** – Edit the script for the action.
    - **Action Description** – Edit the description for the action.
    - **Action Parameters** – Displays required information.

15. Click **Action TestRun** to test your changes.

16. Buttons at the bottom of the form include:
    - **Duplicate** – Create a copy of the action.
    - **Save** – Save your information.
    - **Cancel** – Cancel your revisions.

- **Delete** – Delete the action.
- **Submit for Approval** – Send the action for approval.

17. Select the **Available Automation Actions** heading again to collapse the section.
18. Select **Device CI Configurations**. The section expands to display the historical list of **Device CI Configurations** from the data source, such as CMDB.

19. Click the **View** icon to display the device configuration. A pop up window displays the full configuration details.

20. Click on the "**x**" in the upper right corner to close the dialog.
21. Select the **Device CI Configurations** heading again to collapse the section.

5.3 Browse Automations

The Browse Automations feature displays the Automation Inventory Summary, which includes categorized available active accounts.

5.4 Automation Service Provider Manager

Automation Service Provider (ASP) includes any web service that provides consumable services by the controller, including auto processes, CMDB, SI2, Infrasec, etc. This feature allows users to view the list of ASPs and instances, as well as add new instances. SI2 AC Administrators can add new ASPs.

5.4.1 Add a Service Type

1. Click the **Add** button and the **Service Type : Add Mode** window displays.

Note: Contact the team to SI2 Automation Controller team to add an ASP (pending NetSRM catalog item).

2. Enter a **Service Type** to define a server instance for an **ASP Type**.
3. Click **Add**.

5.4.2 Manage Service Accounts

1. Select the **Manage Service Accounts** button to display the **Manage Service Accounts** window.

   Note: This feature is available for **SI2 AC Administrators**.

2. Click the drop down arrow and select the **Service Type**.
3. Enter the **HPE email** address for the **User Name (Email)** field.
4. Enter a **Password**.
5. Enter the **Password** again to **Confirm Password**.
6. Click **Update**.

5.5 Device Profile Manager

You can use the Device Profile Manager feature to define device profiles.

5.5.1 Add a Device Type

1. Click **Add.** The **Device Type** window displays in **Add** mode.

1. Enter the **Device Type**.

   Note: Duplicate names of existing **Device Types** are not allowed.

2. Click **Add**.

5.6 Automation Action Manager

The Automation Action Manager feature allows users to view and define device actions, API actions, and device policies

1. Select an icon to display the associated action or policy:
    - Device Actions –Specific for a device, such as a description or login command.
    - API Actions–General types of actions, such as a Google search query.
    - Device Policies–Conceptual policies for select systems, such as HPNA, can define for new management systems.

5.6.1.1 Add New Action

1. Click **Add**. The **Device Action Manager : Add New Action** window displays.

The options that are presented for each field depend on the options selected for the previous fields in this window. For example, the **Device Type** selected will filter the **Vendors** listed in the drop down. The **OS Versions** that display will depend on the **Device Type** and **Vendor** selected.

1. Click the drop down arrows and select the following: (**need field descriptions**)
    - **Device Type**
    - **Vendor**
    - **OS Version**
    - **Device Profile**

2. Click **Done**.

5.6.2 Device Actions

1. Select **Device Actions**. The **Device Action** window displays with the following options:
    - Router/Switch
    - Firewall
    - Hub

5.6.2.1 Router/Switch

1. Select **Router/Switch**. The **Router/Switch** window displays to show all the **Vendors** defined in the device profile for this device.

2. Select a **Vendor**, such as "**Cisco**". The **Router/Switches** display with the **Code Bases** for the **Vendor** selected.

3. Select a **Code Base**. The **Code Base** displays.

Note: The **Code Base** is compiled based on three parameters: **OS Version**, **OS Revision**, and **OS Release**. Any deviation in any parameter results in a new **OS Release**.

4. Hover over a **Description** link to display a pop up view of the details.

5. Hover over a **Name** to display a pop up window of details.

5.6.2.1.1 View

1. Select the **View** icon. The **Router/Switch** window for the selected **Vendor** displays in **View** Mode.

1. Scroll down the window to view additional fields.

5.6.2.1.2 Edit

1. Select the **Edit** icon. The **Router/Switch** window for the selected **Vendor** displays in **Edit** Mode.
   Note: If the button is not enabled, your profile may be limited. This feature is only available for authorized users.

1. Select or enter information in the following fields (scroll down the window to view additional fields):
    - **CommonActionName** – Click the drop down arrow and select the common name.
    - **Action Name** – Enter a name for the action.
    - **Version** – Number of version (auto populated)
    - **Action Type** – Click the drop down arrow and select “Monitoring”, “Trending”, “Proactive”, or “Reactive”.
    - **Device Profile** - Click the drop down arrow and select the profile for the device.
    - **Status** – Click the drop down arrow and select the status, such as “In Development”.
    - **State** – Click the drop down arrow and select the state, such as “Locked”.
    - **Read Only** – Select the check box to make this action “Read Only”.
    - **Create Date** – Date and time when the action was created (auto populated).
    - **Last Update** – Date and time when the action was last updated (auto populated).
    - **Human Time (HH:mm:ss)** – Amount of human effort saved by this action, as displayed in hours (HH), minutes(mm), seconds(ss) in “00:00:00” format.
    - **Automation Time (HH:m:ss)** – Automation time of action, as displayed in hours (HH), minutes(mm), seconds(ss) in “00:00:00” format.
    - **Action Elements** – Edit the script for the action.
    - **Action Description** – Edit the description for the action.
    - **Action Parameters** – Displays required information.

2. Click **Action TestRun** to test your changes.

3. Buttons at the bottom of the form include:
    - **Duplicate** – Create a copy of the action.
    - **Save** – Save your information.
    - **Cancel** – Cancel your revisions.
    - **Delete** – Delete the action.
    - **Submit for Approval** – Send the action for approval.

5.6.2.2 Firewall

1. Select **Firewall**. The **Firewall** window displays to show the **Vendors**.

2. Select a **Vendor**, such as "**Check Point**". The **Firewall** window displays the **Code Base**.

3. Select the **Code Base**. The **Code Base** displays.

5.6.2.2.1 View

1. Click on the **View** icon. The **Router/Switch** screen displays.

2. Scroll down the screen to view additional fields.

Action Elements : [1]
KellyFirewallDeviceActionTest-1
Script
Action Parameters : [2]
TargetCI
!Required!
AccountName
!Required!
UserID
!***!
blah
this
Edit
Cancel
Available End Devices
Web Services API
**** Device Action API Call Sample *****
curl -k --basic --user <UserName>:<Password> -H "Accept: application/json" -X POST -d "TargetCI=<value>&AccountName=<value>&userID=<UserID>&blah=<value>&this=
<value>" https://si2nascent-1.ssn.hp.com/automationwebsrv/api/FirewallDeviceActionTest/1/

5.6.2.2.2 Edit

Note: If the button is not enabled, your profile may be limited. This feature is only available for authorized users.

1. Click on the **Edit** icon. The **Router Switch** screen displays in **Edit** mode.

2. Select or enter information in the following fields (scroll down the window to view additional fields):
   - **CommonActionName** – Click the drop down arrow and select the common name.
   - **Action Name** – Enter a name for the action.
   - **Version** – Number of version (auto populated)
   - **Action Type** – Click the drop down arrow and select “Monitoring”, “Trending”, “Proactive”, or “Reactive”.
   - **Device Profile** - Click the drop down arrow and select the profile for the device.
   - **Status** – Click the drop down arrow and select the status, such as “In Development”.
   - **State** – Click the drop down arrow and select the state, such as “Locked”.
   - **Read Only** – Select the check box to make this action “Read Only”.
   - **Create Date** – Date and time when the action was created (auto populated).
   - **Last Update** – Date and time when the action was last updated (auto populated).
   - **Human Time (HH:mm:ss)** – Amount of human effort saved by this action, as displayed in hours (HH), minutes(mm), seconds(ss) in “00:00:00” format.
   - **Automation Time (HH:m:ss)** – Automation time of action, as displayed in hours (HH), minutes(mm), seconds(ss) in “00:00:00” format.
   - **Action Elements** – Edit the script for the action.

- **Action Description** – Edit the description for the action.
- **Action Parameters** – Displays required information.

3. Click **Action TestRun** to test your changes.

4. Buttons at the bottom of the form include:
    - **Duplicate** – Create a copy of the action.
    - **Save** – Save your information.
    - **Cancel** – Cancel your revisions.
    - **Delete** – Delete the action.
    - **Submit for Approval** – Send the action for approval.

5.6.2.3 Hub

1. Click **Hub**. The **Hub** window displays.

2. Select a **Vendor**. The **Hub** window displays the **Code Base**.

3. Select the **Code Base**. The **Code Base** window displays.

5.6.2.3.1 View

1. Click on the **View** icon. The **Router/Switch** screen displays in **View** mode.

1. Scroll down the window to view additional fields.

5.6.2.3.2 Edit

1. Click on the **Edit** icon. The **Router/Switch** screen displays in **Edit** mode.

   Note: If the button is not enabled, your profile may be limited. This feature is only available for authorized users.

1. Select or enter information in the following fields (scroll down the window to view additional fields):
   - **CommonActionName** – Click the drop down arrow and select the common name.
   - **Action Name** – Enter a name for the action.
   - **Version** – Number of version (auto populated)
   - **Action Type** – Click the drop down arrow and select “Monitoring”, “Trending”, “Proactive”, or “Reactive”.
   - **Device Profile** - Click the drop down arrow and select the profile for the device.
   - **Status** – Click the drop down arrow and select the status, such as “In Development”.
   - **State** – Click the drop down arrow and select the state, such as “Locked”.
   - **Read Only** – Select the check box to make this action “Read Only”.
   - **Create Date** – Date and time when the action was created (auto populated).
   - **Last Update** – Date and time when the action was last updated (auto populated).
   - **Human Time (HH:mm:ss)** – Amount of human effort saved by this action, as displayed in hours (HH), minutes(mm), seconds(ss) in “00:00:00” format.
   - **Automation Time (HH:m:ss)** – Automation time of action, as displayed in hours (HH), minutes(mm), seconds(ss) in “00:00:00” format.
   - **Action Elements** – Edit the script for the action.

- **Action Description** – Edit the description for the action.
- **Action Parameters** – Displays required information.

5. Click **Action TestRun** to test your changes.

6. Buttons at the bottom of the form include:
   - **Duplicate** – Create a copy of the action.
   - **Save** – Save your information.
   - **Cancel** – Cancel your revisions.
   - **Delete** – Delete the action.
   - **Submit for Approval** – Send the action for approval.

5.6.3 API Actions

1. Click **API Actions**. The **API Generic Actions** window displays.

2. Select an **API**. The **API Generic Actions** window displays.

5.6.3.1 Add an API Generic Action

1. Click **Add**. The **API Generic Action : Add Mode** displays.

2. Enter or select information in the following fields:
   - **Action Name**
   - **Version**
   - **Action Type**
   - **ASP**
   - **ASP Instance**
   - **Status**
   - **State**
   - **Action Elements**
   - **Action Description**
   - **Action Parameters**

3. Click **Generic Action TestRun**.
4. Click **Save**.

5.6.3.2 View

1. Click the **View** icon for the row you want to view. The **API Generic Action** window opens in **View Mode**.

2. Click **Cancel** to close the window.

5.6.3.3 Edit

1. Click on the **Edit** icon. The **API Generic Action** window opens in **Edit Mode**.

2. Enter or select information in the following fields:
   - **Action Name**
   - **Version**
   - **Action Type**
   - **ASP**
   - **ASP Instance**
   - **Status**
   - **State**
   - **Action Elements**
   - **Action Description**
   - **Action Parameters**
3. Click **Generic Action TestRun** to test the **Action**.

4. Additional buttons at the bottom of the window allow you to:
    - **Save**
    - **Cancel**
    - **Delete**
    - **Submit for Approval**

5.6.4 Device Policies

1. Select **Device Policies**. The **Device Policy** window displays.

2. Select **HPNA Policies**. The **HPNA Policies** window displays.

5.6.4.1 Add an HPNA Policy

Under construction – pending development.

5.6.4.2 View

1. Click on the **View** icon.

Under construction – pending development.

5.6.4.3 Edit

1. Click on the **Edit** icon. The **HPNA Policies** window displays in **Edit Mode**.

2. Enter information in the following fields:
   - **Policy Name**
   - **Site Name**
   - **Policy Tag**
   - **Scope** – Click the "**+**" to display the **Device Group Dialog**.

Click **Edit Device Groups** to display the **Device Groups Management** screen.

3. Enter or select information in the following fields:
   - **Exceptions**
   - **Policy Status**
   - **Action Status**
   - **Action State**
   - **Read Only** – Select the check box to make the policy read-only.
   - **Create Date** – Auto populated by the system.
   - **Last Update** – Auto populated by the system.
   - **CVE**
   - **Vendor Advisory URL**
   - **Vendor Solution URL**
   - **Disclosure Date**
   - **Solution**
   - **Policy Description**

4. Scroll down the window to view all the fields.

5. Click on the **Edit** button to display the **Policy Rule** on that row.

6. Scroll down the window to view additional fields.

7. Edit the fields as needed.
8. Click **Update**.

9. Click **Duplicate** to create a copy.
10. Click **Save**.
11. Click **Install Policy**. The **Policy** becomes active.

6

Network Configuration Manager (NCM)

The Network Configuration Manager (NCM) allows users to view or edit a network device configuration, depending on the level of access privileges granted in the user profile. The NCM performs the following automated activities:

- Pulls device information.
- Parses the device information and inserts the data into a spreadsheet format.
- Logs activity against interfaces, VLANs, and routers.

Note: Users will need to provide an FQDN or IP in order to view or edit a network device configuration.

To view / edit a network device configuration:

1. Click the **Menu** button in the upper left corner of your SI2 screen and select **Network Configuration Manager**. The **Network Configuration Manager** screen displays.

2. Enter one of the following:
   - **FQDN**
   - **IP**

3. Click **Next**. A message displays to inform you that the NCM is "**Fetching current configuration from network device...**".

When the configuration for the network device has been retrieved, the **Interface** screen displays.

4. Click on the **Device Details** link. A message displays to inform that "**Fetching Device info has started**". The **Device Details** window displays.

5. Click **Save** to save the **Device Details**, or **Close** to close the window.
6. Scroll down the window to the rows of **Interfaces**.

7. Click **Edit** next to the **Interface** that you want to edit. A window opens to display the information that may be edited. In the following example, the **Port Channel** window opens.

8. Click the drop down arrow and select the **Change Classification**.

9. Click **Generate Change and Reserve**. Depending on the **Change Classification** you selected the **Port-channel** window updates to display additional fields.

6.1 End Station Interface

If the **Change Classification** selected is **End Station Interface**:

1. Edit or select information for the following fields:
   - **Interface**
   - **Description**
   - **Speed**
   - **Duplex**
   - **Switchport Trunk Encapsulation**
   - **Switchport Trunk Allowed Vlan** – enter the first few characters in the **Filter** field to scroll to the **Vlan**, then select the **Vlan** and click on the right **>** arrow to move the **Vlan** to the **Selected** section. To select all **Vlans**, click on the double **>>** right arrow. To remove a **Vlan** from the **Selected** section, click on the **Vlan** and then click on the left **<** arrow. Click on the double **<<** left arrow to remove all **Selected Vlans**.
   - **Spanning-Tree Vlan**
   - **Channel-group**

6.2 Description Update

If the **Change Classification** selected is **End Station Interface**:

1. Edit or select information for the following fields:
   - **Description**

6.3 Engineering Work Order (EWO)

To generate a PDF of the EWO.

1. Scroll down the window and click **PDF EWO**. The **EWO** displays in a **PDF Viewer** window.

pdf-name (1).pdf 5 / 7

- HP Delivery Team (Technical)
- Account Delivery Manager/Service Delivery Executive (Account)
- Account Change Manager (Process)

- Change Advisory Board Approval Date.
- Proposed Review Date

2.1.3. Authorized Requestors

[Please specify who is eligible to request this type of Standard Change]

2.2. Risk Assessment

Specify the Risk level and any additional information associated with the implementation of the requested Standard Change.

Note: That as a best practice only "No Risk" or "Low Risk" Changes be accepted as Standard Changes.

2.3. Impact Assessment

Specify the Impact level and any additional information associated with implementation of the requested Standard Change.

2.4. Change Plan

This Section provides additional information on the content required as part of the high level Change Plan to be associated to the Standard Change. This information will be used by the Change Advisory Board to determine if the Change meets the criteria to be classified as a Standard Change.

Once the Standard Change Plan is approved, this will serve as work instructions to create the Standard Change entry within the Standard Change Catalogue / List.

2.4.1. High-Level Implementation Plan

2. Hover over the **PDF** icons and select to **Print** or **Save the EWO**.

6.4 Configuration Tab

1. Select the **Configuration Tab** to search for and view configuration changes.

Edit
Configuration
EWO
FQDN: usplsac0054036.mcsp.com
IP: 192.168.54.36
Save
Close
Fetching Port Status has failed.
Fetching Vlans has failed.
INTERFACE
Item # | Manage | Status/Protocol | Interface | Switchport trunk encapsulation | Switchport trunk allowed vlan | Switchport mode | Spanning-tree vlan | Description | Channel-group | Speed | Switchport access vlan | Duplex
1 | Edit | Port-channel5 | dot1q | 5,10,440,540,640 | trunk
2 | Edit | Port-channel10 | dot1q | 440,540,640 | trunk | 440,540 cost 2000 640 cost 1000
3 | Edit | FastEthernet1/0/1 | dot1q | 5,10,440,540,640 | trunk | aaa | 5 mode active
4 | Edit | FastEthernet1/0/2 | dot1q | 5,10,440,540,640 | trunk | 5 mode active
5 | Edit | FastEthernet1/0/3 | dot1q | 440,540,640 | trunk | HP00_trigger | 10 mode active | 100
6 | Edit | FastEthernet1/0/4 | dot1q | 440,540,640 | trunk | HPOO_Flow_Trigger | 10 mode active | 100
7 | Edit | FastEthernet1/0/5 | access | TEST-6509 | 100 | 540 | full
8 | Edit | FastEthernet1/0/6
9 | Edit | FastEthernet1/0/7 | Demo for Juraj and Karol
10 | Add | FastEthernet1/0/8
11 | FastEthernet1/0/9

OSVERSIONREVISION: null
DESCRIPTION: Lab Cisco C3750 Switch 12.2(44)SE3
HPNA: LAB HPNA #2 9.20.01
DATASOURCE: CMDB

Edit | Configuration | EWO

Search config: interface Search

```
ip tftp source-interface FastEthernet1/0/48
interface Port-channel5
interface Port-channel10
interface FastEthernet1/0/1
interface FastEthernet1/0/2
interface FastEthernet1/0/3
interface FastEthernet1/0/4
interface FastEthernet1/0/5
interface FastEthernet1/0/6
interface FastEthernet1/0/7
interface FastEthernet1/0/8
interface FastEthernet1/0/9
interface FastEthernet1/0/10
interface FastEthernet1/0/11
interface FastEthernet1/0/12
interface FastEthernet1/0/13
interface FastEthernet1/0/14
interface FastEthernet1/0/15
interface FastEthernet1/0/16
interface FastEthernet1/0/17
interface FastEthernet1/0/18
interface FastEthernet1/0/19
```

```
switchport mode trunk
speed 100
channel-protocol lacp
channel-group 10 mode active
!
interface FastEthernet1/0/5
description TEST-6509
switchport access vlan 540
switchport mode access
speed 100
duplex full
!
interface FastEthernet1/0/6
shutdown
!
interface FastEthernet1/0/7
description Demo for Juraj and Karol
!
interface FastEthernet1/0/8
!
interface FastEthernet1/0/9
!
interface FastEthernet1/0/10
!
interface FastEthernet1/0/11
!
interface FastEthernet1/0/12
!
interface FastEthernet1/0/13
!
interface FastEthernet1/0/14
description Kelly20150603
```

Edit | Configuration | EWO

FQDN: usplsac0054036.mcsp.com
IP: 192.168.54.36

Save | Close

Fetching Port Status has failed.
Fetching Vlans has failed.

INTERFACE

Item #	Manage	Status/Protocol	Interface	Switchport trunk encapsulation	Switchport trunk allowed vlan	Switchport mode	Spanning-tree vlan	Description	Channel-group	Speed	Switchport access vlan	Duplex	Sp
1	Edit		Port-channel5	dot1q	5,10,440,540,640	trunk							
2	Edit		Port-channel10	dot1q	440,540,640	trunk	440,540 cost 2000 640 cost 1000						
3	Edit		FastEthernet1/0/1	dot1q	5,10,440,540,640	trunk		aaa	5 mode active				
4	Edit		FastEthernet1/0/2	dot1q	5,10,440,540,640	trunk			5 mode active				
5	Edit		FastEthernet1/0/3	dot1q	440,540,640	trunk		HP00_trigger	10 mode active	100			
6	Edit		FastEthernet1/0/4	dot1q	440,540,640	trunk		HPOO_Flow_Trigger	10 mode active	100			
7	Edit		FastEthernet1/0/5			access		TEST-6509		100	540	full	
8	Edit		FastEthernet1/0/6										
9	Edit		FastEthernet1/0/7					Demo for Juraj and Karol					
10	Add		FastEthernet1/0/8										
11	Add		FastEthernet1/0/9										

tps://netsrm-8.ssn.hp.com/SI2/Configmanager/showgrid#tabs-1