



Hewlett Packard
Enterprise



HPE SI2 Automation Controller

Requestor Guide

DRAFT

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1 Guide Document Control

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

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|--|-----------|---|--|
| 2/3/2016 | Draft | Janet Carey, Kelly Garcia & Cynthia Skinner | 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
- Create Redmine tickets.

3 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.

Information
HPES Self Service Integration Interface

SI2 Automation Controller

Email ID

Password

Login Reset

Register New User Reset Password

SI2 Feedback SI2 Support

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:

The screenshot shows the SI2 Automation Controller login page. At the top left, there is a link to 'Information' and the text 'HPES Self Service Integration Interface'. In the center, the 'SI2 Automation Controller' logo is displayed. On the right side, there are input fields for 'Email ID' and 'Password', each preceded by an information icon. Below these fields are four buttons: 'Login' (orange), 'Reset' (blue), 'Register New User' (gray, circled in blue), and 'Reset Password' (gray). At the bottom are two more buttons: 'SI2 Feedback' and 'SI2 Support'.

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

User Registration



Information

| | |
|----------------------------------|----------------------|
| First Name: * | <input type="text"/> |
| Middle Name | <input type="text"/> |
| Last Name: * | <input type="text"/> |
| Your Title | <input type="text"/> |
| Email: * | <input type="text"/> |
| Phone 1: | <input type="text"/> |
| Phone 2: | <input type="text"/> |
| Manager First Name: * | <input type="text"/> |
| Manager Last Name: * | <input type="text"/> |
| Manager Email: * | <input type="text"/> |
| Local Login ID (Email): * | <input type="text"/> |
| Password: * | <input type="text"/> |
| Repeat Password: * | <input type="text"/> |

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.

The screenshot shows a web-based form titled "RESET PASSWORD". At the top left is an "Information" icon. Below it is a question "I lost my password:" followed by two radio buttons: "yes" (unchecked) and "no" (checked). The "no" button is highlighted with a blue border. Below this are four input fields: "Username:" (empty), "Old Password:" (empty), "New Password:" (empty), and "Retype Password:" (empty). At the bottom are two buttons: "Save" (orange) and "Cancel" (blue).

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

The screenshot shows the same "RESET PASSWORD" window as above, but the "Email ID" field under the "Username:" label is now highlighted with a blue border. All other fields and buttons are identical to the first screenshot.

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:

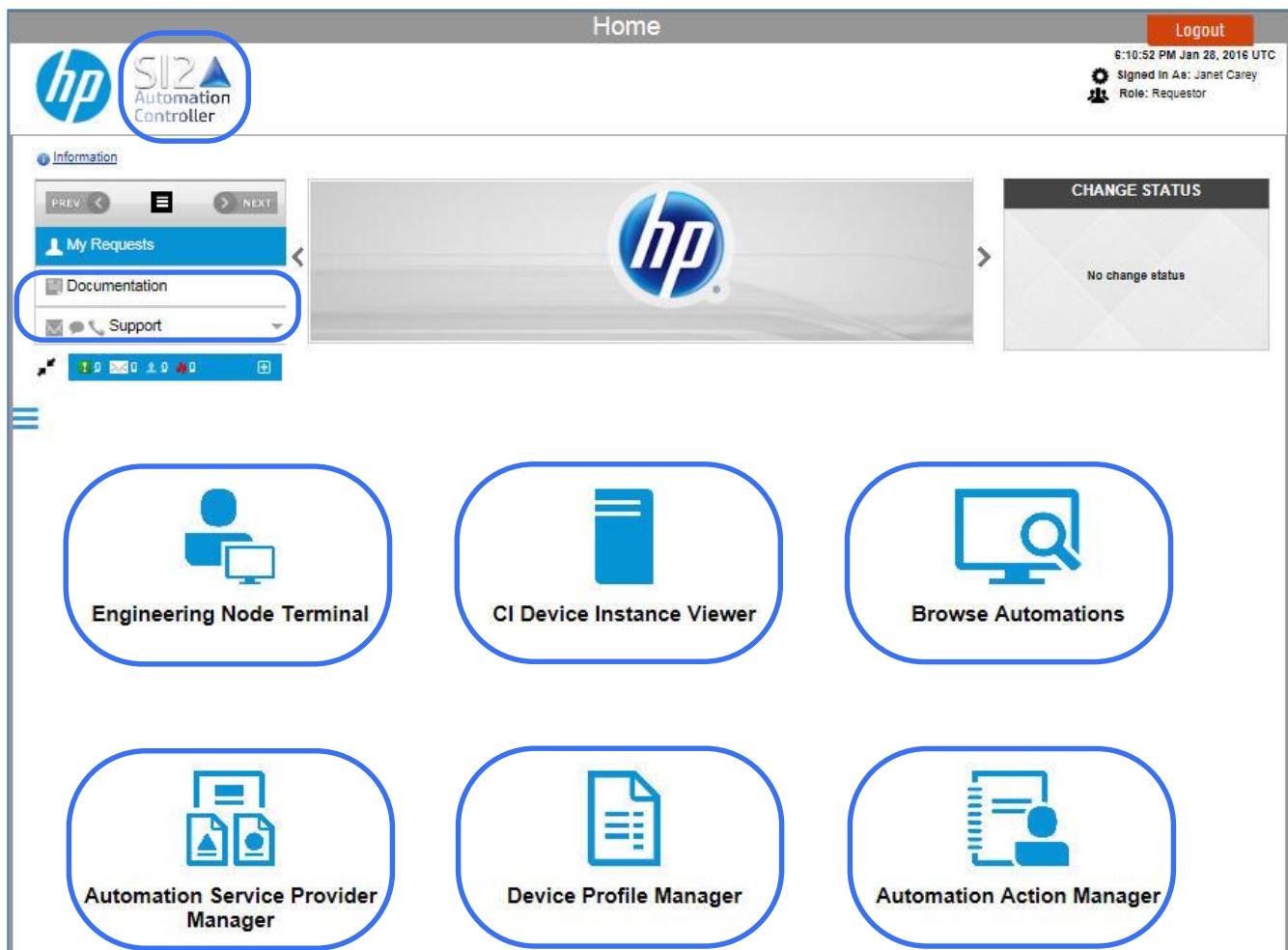
1. Select the **No** button next to **I lost my password**.
2. Enter your HP email address as your **Username** (required).
3. Enter your **Old Password** (required).

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).

4 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.

5 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](#)
- [CI Device Instance Viewer](#)
- [Browse Automations](#)
- [Automation Service Provider Manager](#)
- [Device Profile Manager](#)
- [Automation Action Manager](#)

5.1 Engineering Node Terminal

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

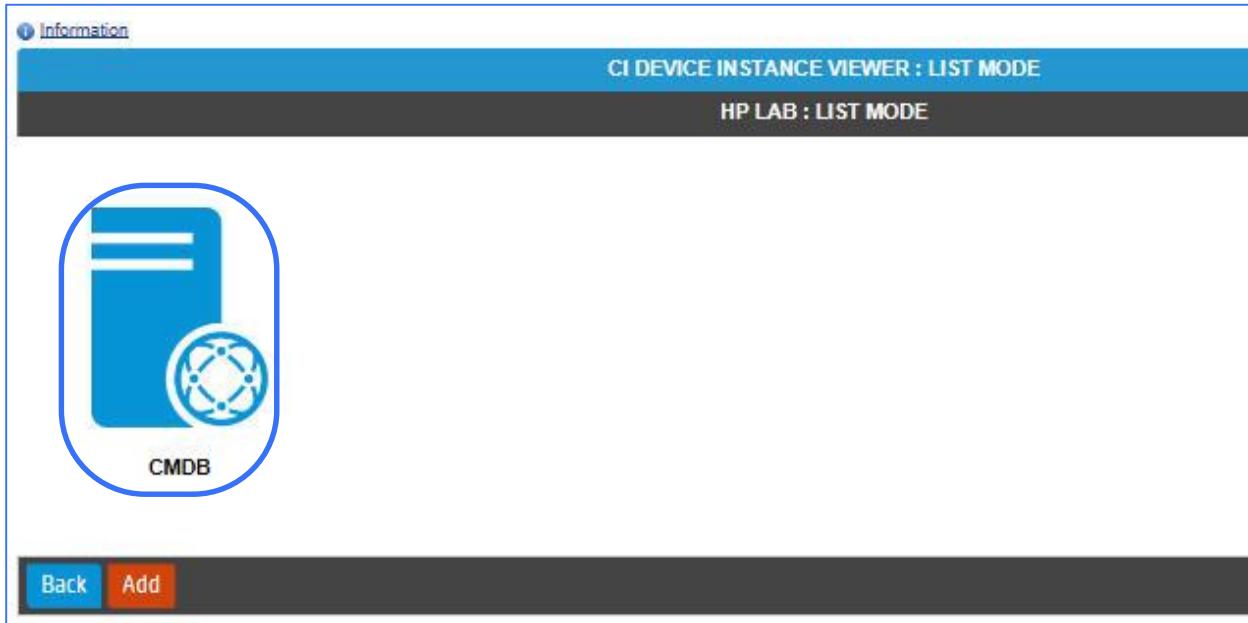
The screenshot shows a dialog box titled "DEVICE PROFILE MANAGER : LIST MODE". It contains three dropdown menus labeled "Account Type", "Device Instance", and "Device", each with a "Select [Item]" placeholder. At the bottom are two buttons: "Done" (orange) and "Cancel" (blue).

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

5.2 CI Device Instance Viewer



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



2. Select an item, 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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(13)rT |
| 9 | 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 | 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 | 11 | usplnacmcsp5478.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 V5.20 r2 |
| 12 | 12 | usplnids054086.mcsp.com | 192.168.54.86 | | HP Lab | L3Switch Cisco WS-C6509-E 12.2(18)SXFI4 | Router/Switch | WS-C6509-E | Cisco IOS 12.2(18)SXFI4 | Lab Cisco WS-C6509-E Switch 12.2(17)rS2 |
| 13 | 13 | usplnacmcsp5487.mcsp.com | 192.168.54.87 | | HP Lab | Lab L3Switch Cisco WS-C6509-E 12.2(18)SXFI4 | Router/Switch | WS-C6509-E | Cisco IOS 12.2(18)SXFI4 | Lab Cisco WS-C6509-E Switch 12.2(17)rS2 |

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 | 1 | usabhceeds9001.mcsp.com | 192.168.90.1 | | HP Lab | Switch HP 3500yl-24G K.12.57 | Router/Switch |
| 2 | 2 | usplnacmcsp5458.mcsp.com | 192.168.54.58 | | HP Lab | Switch Hewlett-Packard 5800 5.20 | Router/Switch |
| 3 | 3 | usplnacmcsp5468.mcsp.com | 192.168.54.68 | | HP Lab | S5500-28C-EI 5.20 Release 2208 | Router/Switch |
| 4 | 4 | usplnacmcsp5469.mcsp.com | 192.168.54.69 | | HP Lab | S5500-28C-EI 5.20 Release 2208 | Router/Switch |
| 5 | 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 | 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 | 7 | usplnacmcsp5483.mcsp.com | 192.168.54.83 | | HP Lab | Router Cisco WS-C3750-48TS-S 12.2(46)SE | Router/Switch |
| 8 | 8 | usplnacmcsp5484.mcsp.com | 192.168.54.84 | | HP Lab | Router Cisco C2811 12.4(7b) | Router/Switch |
| 9 | 9 | usplnacmcsp5485.mcsp.com | 192.168.54.85 | | HP Lab | 7206VXR Router 12.2(25)S12 | Router/Switch |
| 10 | 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 | Device Name | IP Address | IPv6 Address | Org | Device Profile | 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.

Information

DEVICE CI INSTANCE (VIEW)
HP LAB > CMDB > USABHCEEDS9001.MCSP.COM : VIEW

Device Instance Name: usabhceeds9001.mcsp.com

IP Address: 192.168.90.1

Organization: HP Lab

CI Data Source Name: CMDB

Device Profile: Switch HP 3500yl-24G K.12.57

Type: Router/Switch

Vendor: HP

Model: 3500yl-24G

HW Version: base

HW Version Revision:

OS: Procure

OS Version:

Open Engineering Node Terminal
Get Realtime Configuration
CI Activity History

Device Description
 Lab Cisco C2851 Router 12.4(18)

Current Configurations

Available Automation Actions

Device CI Configurations

2. Scroll down the window to view additional fields.

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Page 16

| | |
|---|---------------------------------------|
| OS Release | <input type="text"/> |
| Managing ASP Instance | <input type="text"/> LAB HPNA #1 10.0 |
| Device Instance Function | <input type="text"/> CMDB |
| <input type="button" value="Edit"/> <input type="button" value="Cancel"/> | |

5.2.2 Edit Device Details

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

 Information

DEVICE CI INSTANCE (EDIT)
HP LAB > CMDB > USABHCEEDS9001.MCSP.COM : EDIT

| | | |
|--|--|--|
| Device Instance Name | <input type="text"/> usabhcceeds9001.mcsp.com | <input type="button" value="Open Engineering Node Terminal"/> <input type="button" value="Get Realtime Configuration"/> <input type="button" value="CI Activity History"/> |
| IP Address | <input type="text"/> 192.168.90.1 | Device Description Lab Cisco C2851 Router 12.4(18) |
| Organization | <input type="text"/> HP Lab | |
| CI Data Source Name | <input type="text"/> CMDB | |
| Device Profile | <input type="text"/> Switch HP 3500yl-24G K.12.57.12 ... | |
| Type | <input type="text"/> Router/Switch | |
| Vendor | <input type="text"/> HP | |
| Model | <input type="text"/> 3500yl-24G | |
| HW Version | <input type="text"/> base | |
| HW Version Revision | <input type="text"/> | |
| OS | <input type="text"/> Procurve | |
| Current Related CMDB CI Device Configurations Available Automation Actions Device CI Configurations | | |

- Scroll down the window to view additional fields.

| | |
|---|---------------------------------------|
| OS Version | <input type="text"/> |
| OS Release | <input type="text"/> |
| Managing ASP Instance | <input type="text"/> LAB HPNA #1 10.0 |
| Device Instance Function | <input type="text"/> CMDB |
| Test Device | <input checked="" type="checkbox"/> |
| <input type="button" value="Save"/> <input type="button" value="Cancel"/> | |

- 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).

4. The first four fields are auto populated as data elements:

- **Device Instance Name**
- **IP Address**
- **Organization**
- **CI Data Source Name**

The screenshot shows a web-based form for configuring a device. The form has a blue header bar and a white body with a light gray background for input fields. The fields are organized into two columns. The left column contains labels: Device Instance Name, IP Address, Organization, CI Data Source Name, Type, Vendor, Model, HW Version, HW Version Revision, OS, and OS Version. The right column contains corresponding input fields. The 'Device Profile' field is highlighted with a blue border, indicating it is the current focus. The input field for 'Device Profile' contains the text 'Switch HP 3500yl-24G K.12.57 12'. Below this input field is a small dropdown arrow icon and a '...' button.

| | |
|----------------------|--------------------------------------|
| Device Instance Name | usabhcoeds9001.mosp.com |
| IP Address | 192.168.90.1 |
| Organization | HP Lab |
| CI Data Source Name | CMDB |
| Device Profile | Switch HP 3500yl-24G K.12.57 12 ... |
| Type | Router/Switch |
| Vendor | HP |
| Model | 3500yl-24G |
| HW Version | base |
| HW Version Revision | |
| OS | Procurve |
| OS Version | |

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**

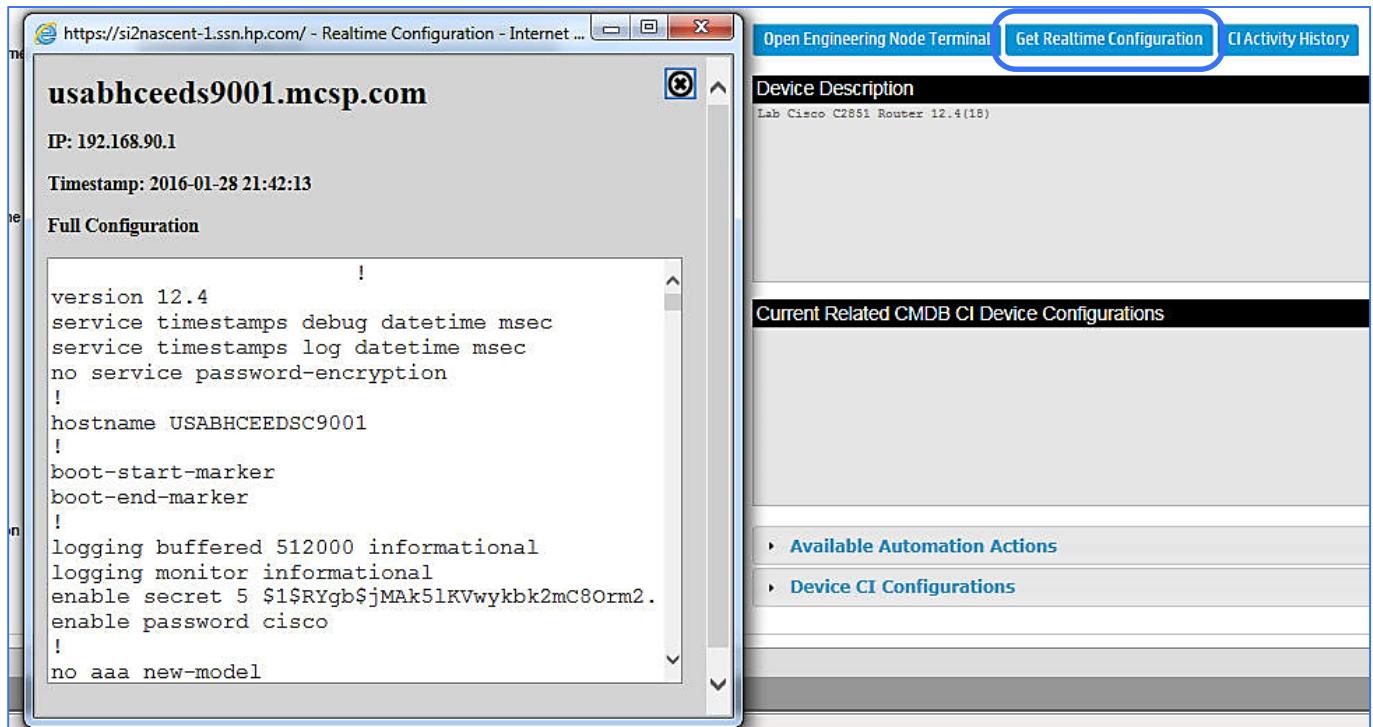
The screenshot shows a form for managing a device. At the top is a field for 'OS Release' with a long grey input bar. Below it is a section labeled 'Managing ASP Instance' containing a dropdown menu with the value 'LAB HPNA #1 10.0'. This dropdown is highlighted with a blue rounded rectangle. To the right of the dropdown is a 'CMDB' button. Underneath is a section labeled 'Device Instance Function' with a long grey input bar. Below that is a section labeled 'Test Device' with a checkbox that has a checked mark. This 'Test Device' section is also highlighted with a blue rounded rectangle. At the bottom of the form are two buttons: a red 'Save' button and a grey 'Cancel' button.

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.

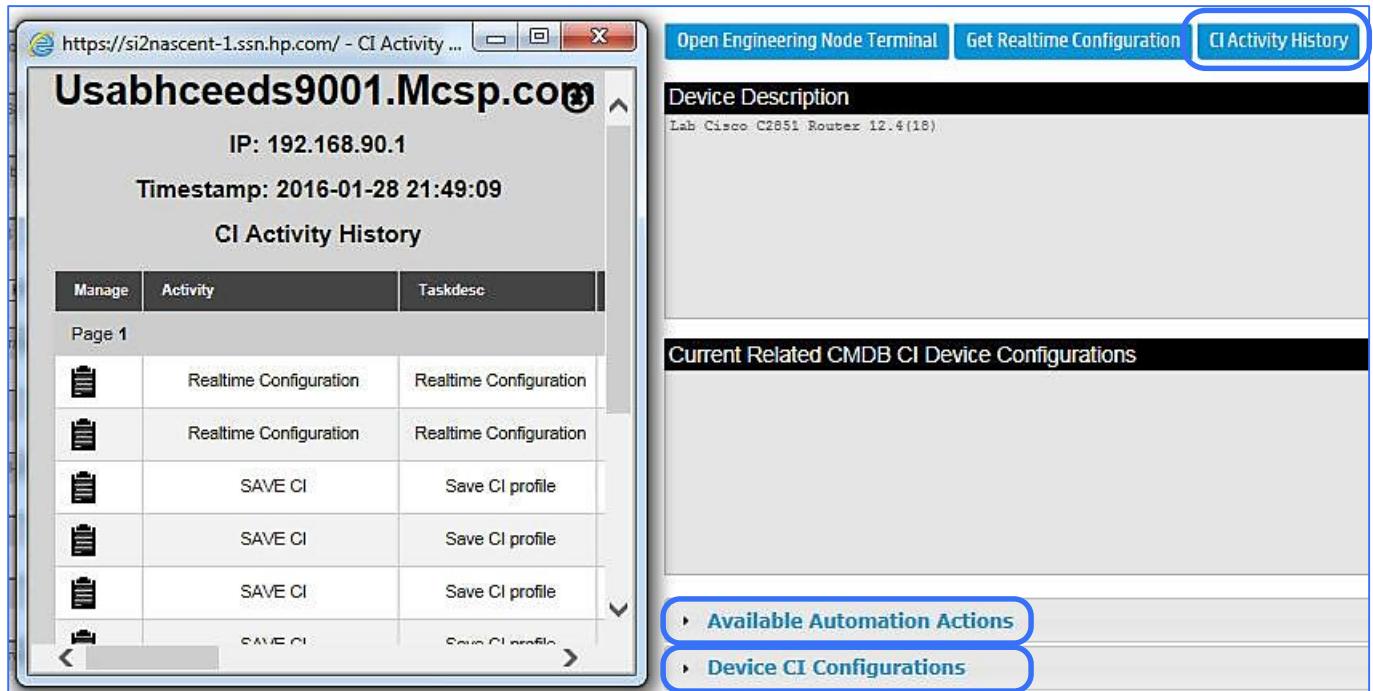
All other fields are auto populated from a data source such as CMDB.

- **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.

The screenshot shows a table titled "Available Automation Actions". The columns are: Manage, TYPE, Deviceprofileid, Id, Name, and Description. There are five rows of data:

| Manage | TYPE | Deviceprofileid | Id | Name | Description |
|--------|--------------|-----------------|-----|-----------------------------|-------------------------------------|
| | | | | | |
| | CommonAction | 12 | 3 | portstatus | Get current port status information |
| | CommonAction | 12 | 4 | showvlans | Show Vlans for specified CI |
| | DeviceAction | 12 | 230 | Action_2015-04-15_11:43:03 | Test |
| | DeviceAction | 12 | 247 | showip3500 | show ip |
| | DeviceAction | 12 | 373 | showvlans-hp3500yl24g-k1257 | Show Vlans |

Below the table, there is a navigation bar with "Page 1 | Show 100" and a dropdown menu. At the bottom, there are back and forward arrows, and a link to "Device CI Configurations".

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

The screenshot shows the "DEVICE ACTION" window for "ROUTER/SWITCH > HP > PROCURVE 12.4(18) CODE BASE > SHOWIP3500 : EDIT MODE".

CommonActionName : portstatus
Action Name : showip3500
Version : 1
Action Type : Monitoring
Device Profile : Switch HP 3500yl-24G K12.57
Status : In Development
State : Locked
Read Only :
Create Date : 2015-04-30 16:08:01 - By - Garcia Kelly
Last Update : 2015-07-28 08:27:48 - By - Garcia Kelly
Human Time (HH:mm:ss): 00:00:00
Automation Time (HH:mm:ss): 00:00:01
Action Elements : [1]: show ip 3500
Action Parameters : [0]: TargetCI (Required!), AccountName (Required!), UserID (***!)

Est. Time Saving : -00:00:01

At the bottom, there are buttons: Duplicate, Save, Cancel, Delete, Submit for Approval, and Action TestRun.

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.

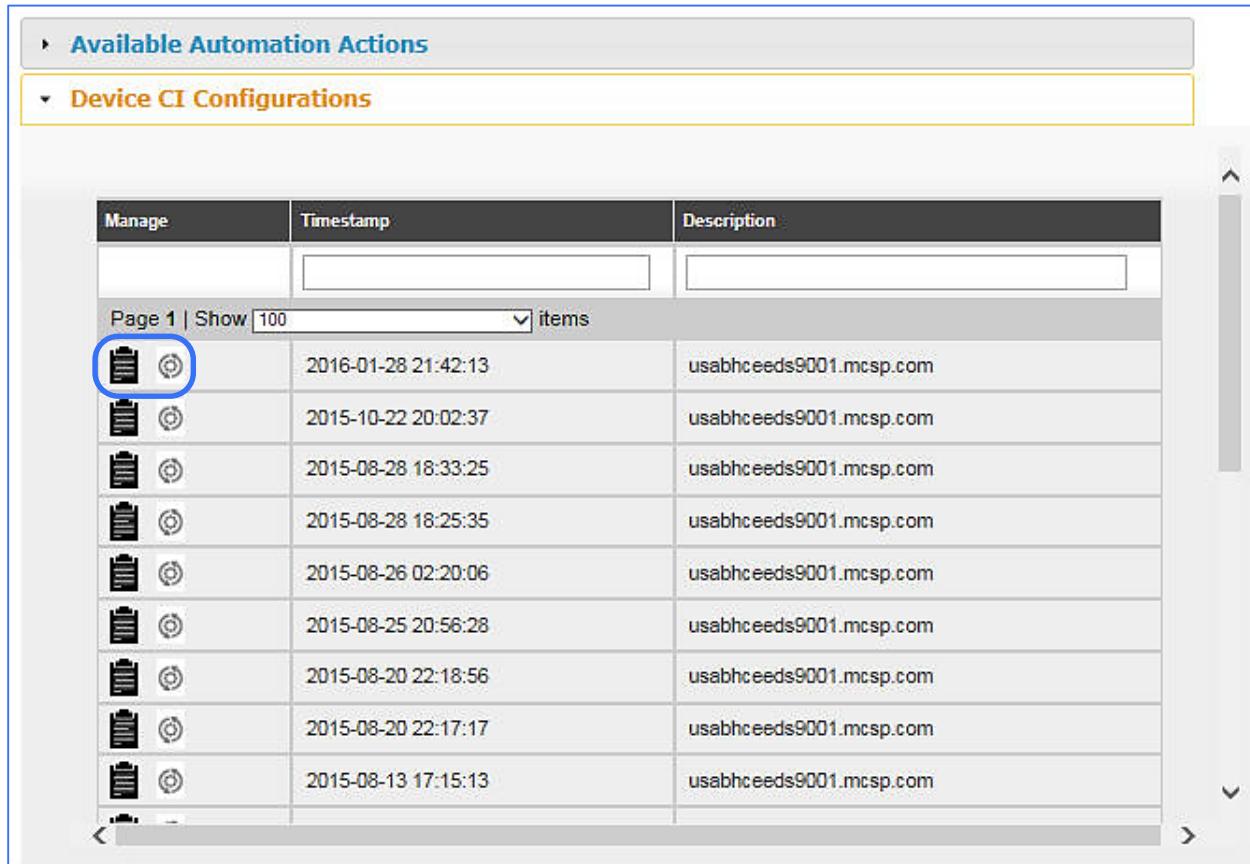
The screenshot shows a software interface for managing actions. At the top, there are two sections: "Action Elements : [1]" containing a text input field with "show ip 3500" and a "Script" button, and "Action Parameters : [0]" listing "TargetCI", "AccountName", and "UserID" with checkboxes for "Required?" and "Value". Below these are buttons for "Duplicate", "Save", "Cancel", "Delete", "Submit for Approval", and "Action TestRun". The "Action TestRun" button is highlighted in blue. Underneath, there's a section titled "Available End Devices" showing "1/192.168.90.1 / usabhoeds9001.mosp.com / Lab Cisco C2851 Router 12.4(18) / HP Lab". At the bottom, there's a "Web Services API" section with a code snippet:

```
**** Device Action API Call Sample *****
curl -k --basic --user <UserName>:<Password> -H "Accept: application/json" -X POST -d "TargetCI=<value>&AccountName=<value>&UserID=<UserID>"
https://si2nascent-1.ssn.hp.com/automationwebsrv/api/showip3500/1/
```

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 list of **Device CI Configurations** from CMDB.



| Manage | Timestamp | Description |
|---|---------------------|-------------------------|
| | | |
| Page 1 Show 100 ✓ items | | |
|  | 2016-01-28 21:42:13 | usabhceeds9001.mcsp.com |
|  | 2015-10-22 20:02:37 | usabhceeds9001.mcsp.com |
|  | 2015-08-28 18:33:25 | usabhceeds9001.mcsp.com |
|  | 2015-08-28 18:25:35 | usabhceeds9001.mcsp.com |
|  | 2015-08-26 02:20:06 | usabhceeds9001.mcsp.com |
|  | 2015-08-25 20:56:28 | usabhceeds9001.mcsp.com |
|  | 2015-08-20 22:18:56 | usabhceeds9001.mcsp.com |
|  | 2015-08-20 22:17:17 | usabhceeds9001.mcsp.com |
|  | 2015-08-13 17:15:13 | usabhceeds9001.mcsp.com |

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

usabhceeds9001.mcsp.com

IP: 192.168.90.1

Timestamp: 2016-01-28 21:42:13

Full Configuration

```
!
version 12.4
service timestamps debug datetime msec
service timestamps log datetime msec
no service password-encryption
!
hostname USABHCEEDSC9001
!
boot-start-marker
boot-end-marker
!
logging buffered 512000 informational
```

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

5.3 Browse Automations

The screenshot shows the 'AUTOMATION INVENTORY SUMMARY' page. At the top right is a search bar with a 'Search' button. Below it, there are several sections with counts:

- Total Actions: 253**
 - Live Production: 4
 - In Approval Process: 35
 - In Development: 195
 - Common Actions: 5
- My Actions: 0 (janet.carey@hpe.com)**
- Managed API Actions: 49**
 - Automation Proxy: 21
 - CIS-SM9: 4
 - HPNA: 2
 - Infrasec: 3
 - NNMI: 7
 - NSV: 2
 - SI2 Automation Controller: 10
- Managed Device Actions: 204**
 - + Router/Switch: 187
 - + Firewall: 2
 - + Hub: 1

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.

The screenshot shows the 'AUTOMATION SERVICE PROFILE MANAGER : LIST MODE' page. At the top left is an 'Information' link. Below it is a toolbar with four buttons: 'Back' (blue), 'Add' (orange), 'Delete' (orange), and 'Manage Service Accounts' (blue). The 'Manage Service Accounts' button is highlighted with a blue border.

5.4.1 Add a Service Type

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



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

5.4.2 Manage Service Accounts

MANAGE SERVICE ACCOUNTS

| | |
|--------------------------|--|
| Service Type: | <input type="button" value="Select Service Type"/> |
| User Name(Email): | <input type="text"/> |
| Password: | <input type="password"/> |
| Confirm Password: | <input type="password"/> |

Update **Cancel**

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

5.5 Device Profile Manager

Information

SI2 AUTOMATION CONTROLLER DEVICE PROFILE MANAGER : LIST MODE

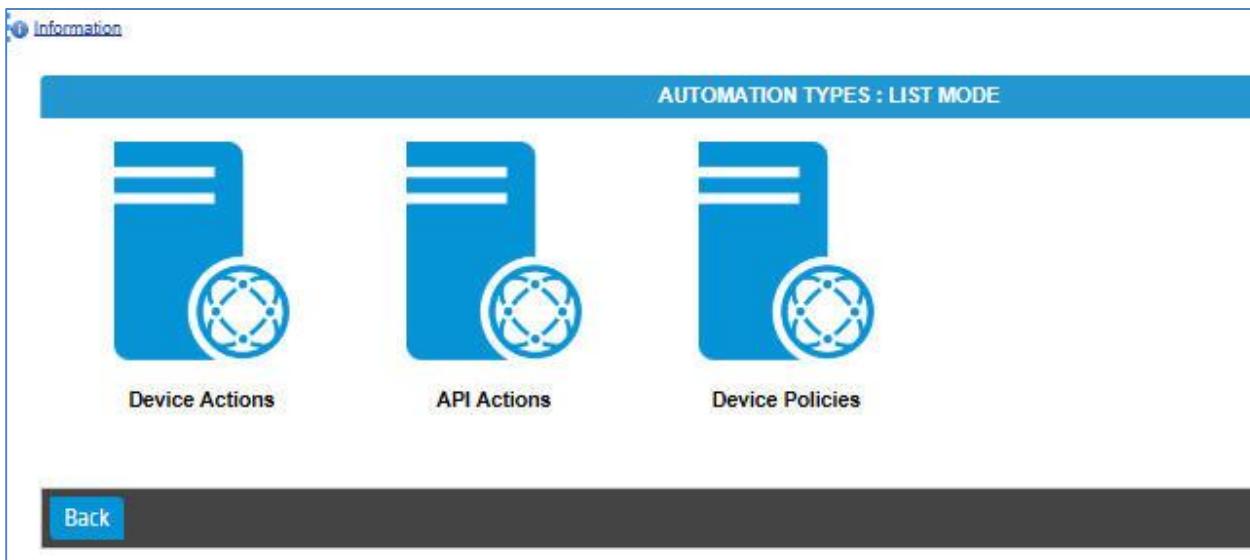
Back **Add**

5.5.1 Add a Device Type

The screenshot shows a software interface titled "SI2 AUTOMATION CONTROLLER DEVICE PROFILE MANAGER". The main title bar is blue, and below it is a dark grey header bar with the text "DEVICE TYPE : ADD MODE". The main content area contains a label "● Device Type:" followed by an empty text input field. At the bottom is a dark grey footer bar with two buttons: "Add" and "Cancel".

1. Enter the **Device Type**.
2. Click **Add**.

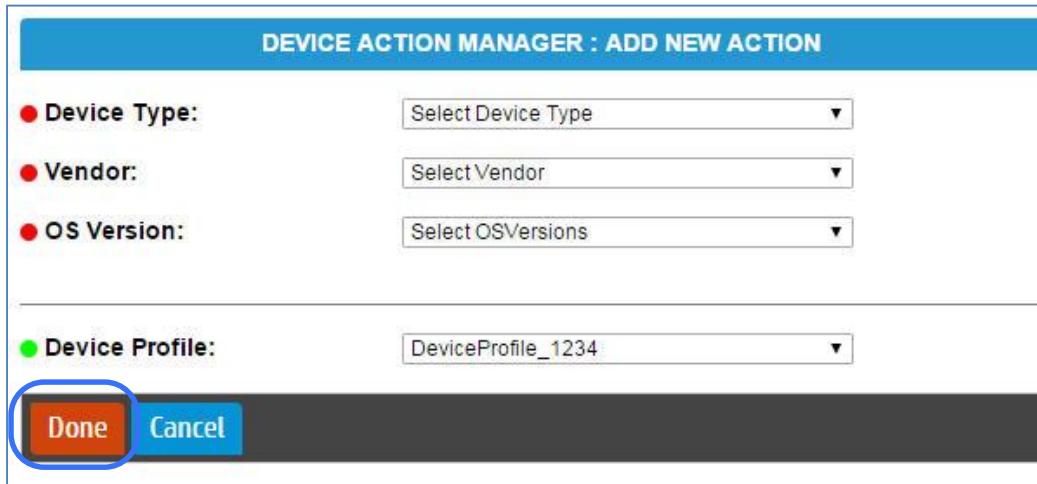
5.6 Automation Action Manager



1. Select an icon to display the associated action or policy:
 - [Device Actions](#)
 - [API Actions](#)
 - [Device Policies](#)

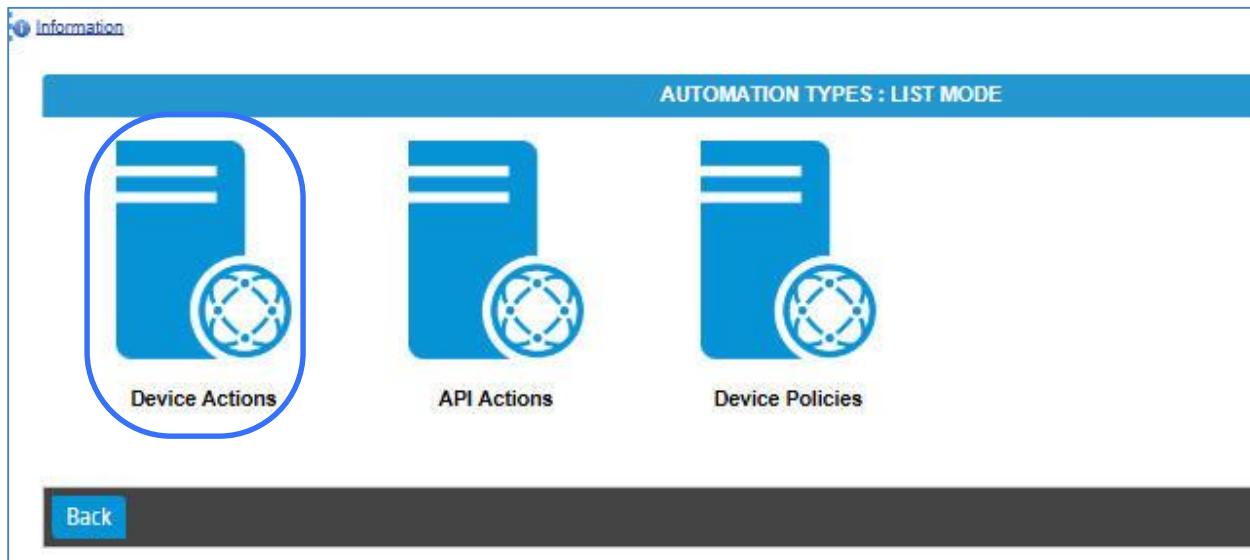
5.6.1.1 Add New Action

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



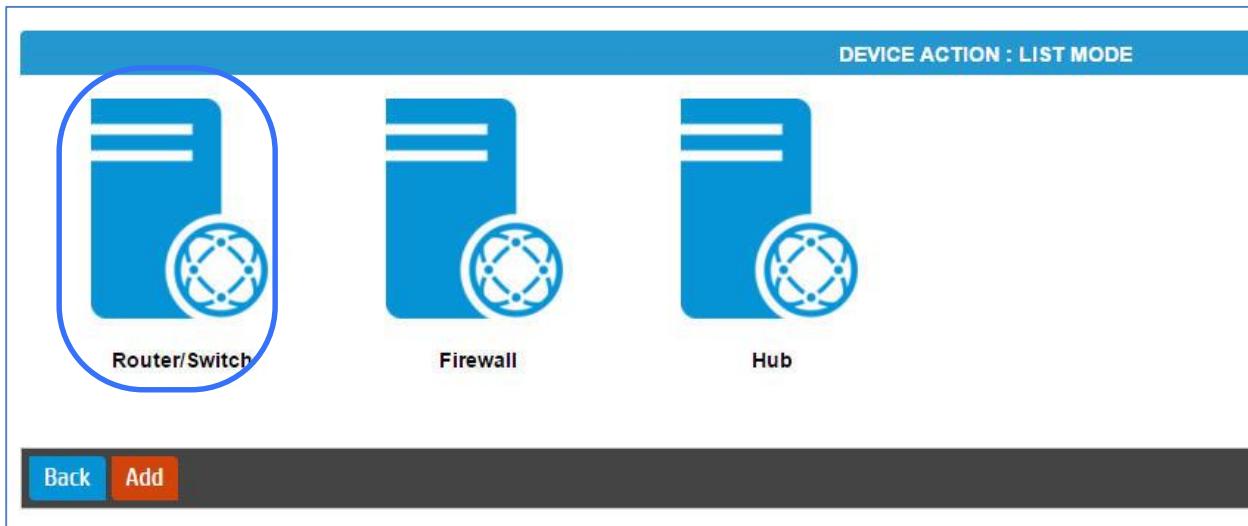
1. Click the drop down arrows and select the following:
 - **Device Type**
 - **Vendor**
 - **OS Version**
 - **Device Profile**
2. Click **Done**.

5.6.2 Device Actions

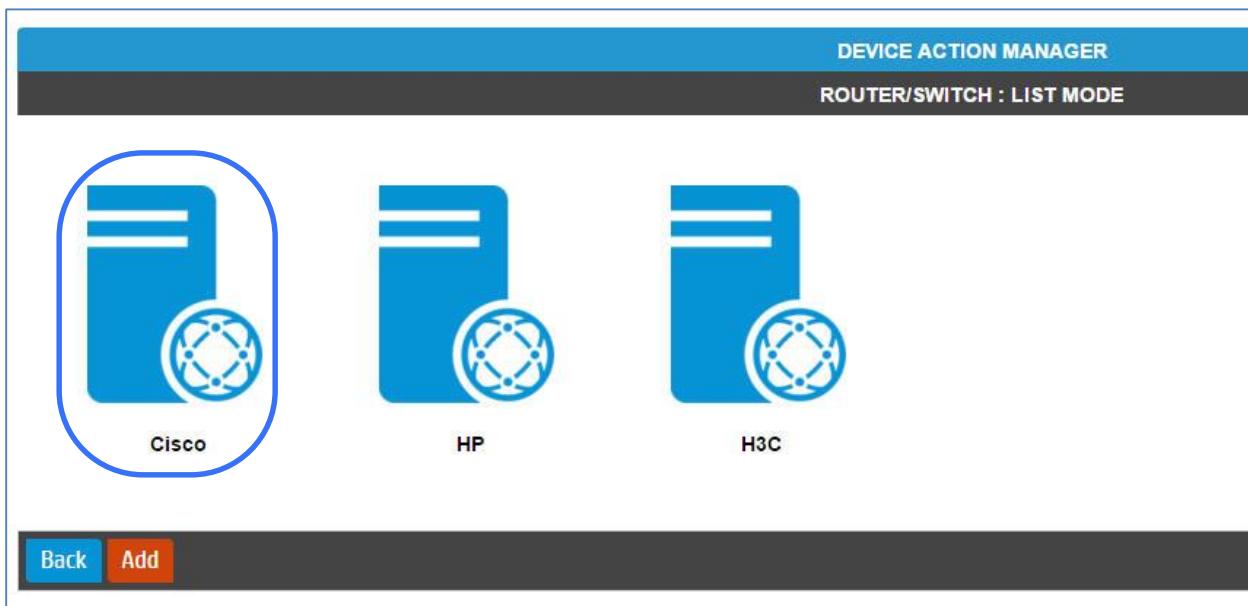


1. Select **Device Actions**. The **Device Action** window displays with the following options:
 - [Router/Switch](#)
 - [Firewall](#)
 - [Hub](#)

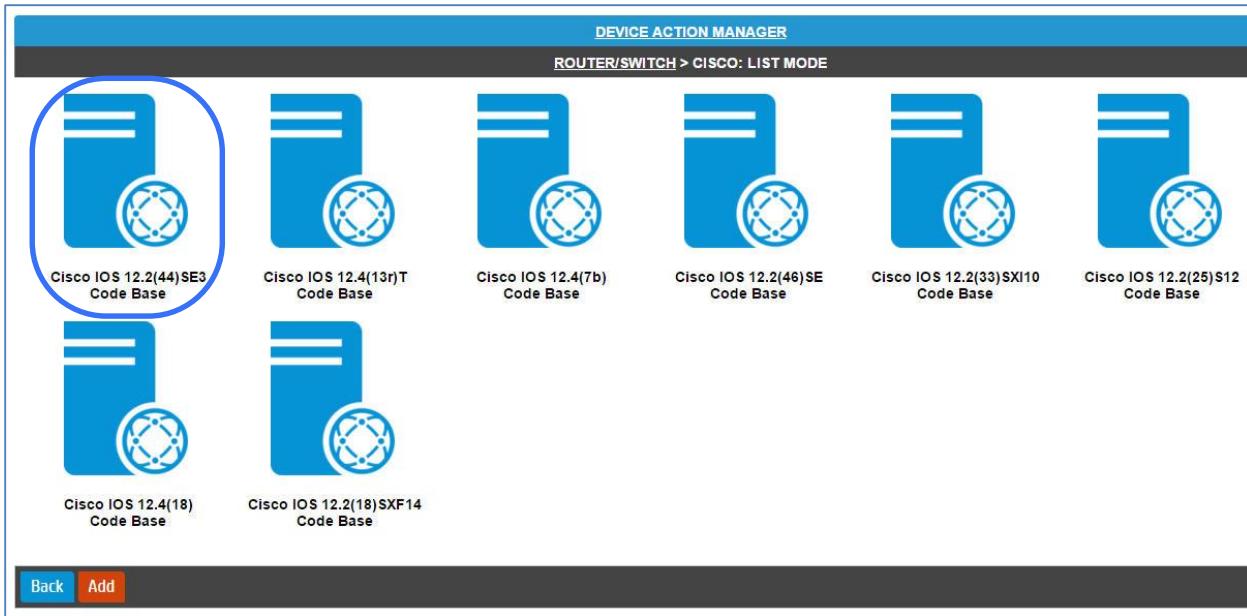
5.6.2.1 Router/Switch



1. Select **Router/Switch**. The **Router/Switch** window displays.



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.

| Manage | Name | Description |
|--------|--|---|
| | Policy_Test | Policy Test |
| | <DeviceActionName_1442505236>_Ver._1 | asdfsadf |
| | C3750_PERL_CREATE_TRUNK_SELECT_PORT_TYPE_IOS_12_2(44)SE3-Copy-Copy | C3750_PERL_CREATE_TRUNK_SELECT_PORT_TYPE_IOS_12_2(44)SE3 1. Select Device. 2. From pull down menu -> select Interface Type (i.e. FastEthernet, GigabitEthernet, etc). 3. Type Interface Description. 4. Insert VLAN ID number (range 1 to 4094). For two or more VLAN IDs please separate with a comma (,). Example1: 333,566,991 Example2: 330-339 |
| | C3750_PERL_CREATE_TRUNK_SELECT_PORT_TYPE_IOS_12_2(44)SE3-Copy | C3750_PERL_CREATE_TRUNK_SELECT_PORT_TYPE_IOS_12_2(44)SE3 1. Select Device. 2. From pull down menu -> select Interface Type (i.e. FastEthernet, GigabitEthernet, etc). 3. Type Interface Description. 4. Insert VLAN ID number (range 1 to 4094). For two or more VLAN IDs please separate with a comma (,). Example1: 333,566,991 Example2: 330-339 |

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

| Page 1 | | |
|--------|--|--------------------------------------|
| | | Policy_Test |
| | | <DeviceActionName_1442505236>_Ver._1 |
| | | C3750_PERL_CREATE_TRUNK |

Device Action Name : <DeviceActionName_1442505236>_Ver._1
Full Description : asdfsadf

Status : In Development
State : Locked

Device.
pull down menu -> select Interface Type (i.e. FastEthernet, Gigabit)
Interface Description:
VLAN ID number (range 1 to 4094). For two or more VLAN IDs p
1: 333,566,991
Example2: 330-339

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

| Manage | Name | Description |
|--------|--------------------------------------|---|
| | | |
| Page 1 | | |
| | Policy_Test | Policy Test |
| | <DeviceActionName_1442505236>_Ver._1 | asdfsadf |
| | | <DeviceActionName_1442505236>_Ver._1 C3750_PERL_CREATE_TRUNK_SELECT_PORT_IOS_12_2(44)SE3 |

5.6.2.1.1 View

DEVICE ACTION

ROUTER/SWITCH > CISCO > CISCO IOS 12.2(44)SE3 CODE BASE > <DEVICEACTIONNAME_1442505236>_VER._1 : VIEW MODE

| | | |
|-----------------------------|---|----------------------|
| CommonActionName : | dfgdfgsfg | Action Description : |
| Action Name : | <DeviceActionName_1442505236>_Ver._1 | asdfsadf |
| Version : | 1 | |
| Action Type : | Monitoring | |
| Device Profile : | Switch Cisco C3750 12.2(44)SE3 | |
| Status : | In Development | |
| State : | Locked | |
| Create Date : | 2015-09-17 15:54:06 - By - Solomon Tsao | |
| Last Update : | 2015-09-17 15:54:28 - By - | |
| Human Time (HH:mm:ss): | 00:00:00 | |
| Automation Time (HH:mm:ss): | 00:00:00 | |
| Action Elements : [0] | Action Parameters : [0] | |
| | TargetCI | IRequired! |
| | AccountName | IRequired! |
| | UserID | !**! |

Edit **Cancel**

1. Scroll down the window to view additional fields.

Action Elements : [0]

Action Parameters : [0]

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>" https://si2nascent-1.ssn.hp.com/automationwebsrv/api/<DeviceActionName_1442505236>_Ver._1/1
```

5.6.2.1.2 Edit

DEVICE ACTION

ROUTER/SWITCH > CISCO > CISCO IOS 12.2(44)SE3 CODE BASE > <DEVICEACTIONNAME_1442505236>_VER_1 : EDIT MODE

CommonActionName : dfdfgdsfg

Action Name : <DeviceActionName_1442505236>_Ver_1

Version : 1

Action Type : Monitoring

Device Profile : Switch Cisco C3750 12.2(44)SE3

Status : In Development

State : Locked

Read Only :

Create Date : 2015-09-17 15:54:06 - By - Solomon Tsao

Last Update : 2015-09-17 15:54:28 - By -

Human Time (HH:mm:ss): 00:00:00 Update

Automation Time (HH:mm:ss): 00:00:00

Action Elements : [0]

Action Parameters : [0]

TargetCI
AccountName
UserID

Required!
Required!
!***!

Duplicate Save Cancel Delete Submit for Approval Action TestRun

Est. Time Saving : 00:00:00

- 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.

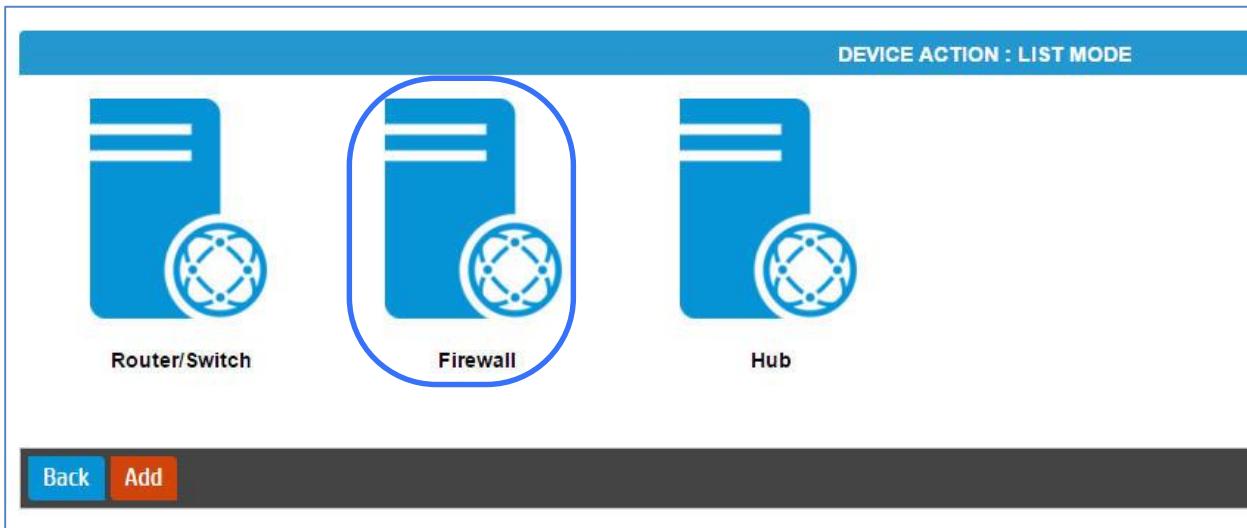
The screenshot shows a user interface for testing actions. At the top, there are buttons: Duplicate (green), Save (blue), Cancel (orange), Delete (red), Submit for Approval (grey), and Action TestRun (blue). Below these buttons is a section titled "Available End Devices" containing a list of two IP addresses: 20/192.168.54.36 / uspisac0054036.mcsp.com / Lab Cisco C3750 Switch 12.2(44)SE3 / HP Lab and 21/192.168.54.37 / uspisac0054037.mcsp.com / Lab Cisco C3750 Switch 12.2(44)SE3 / HP Lab. At the bottom is a "Web Services API" section with a code snippet:

```
**** Device Action API Call Sample *****
curl -k --basic --user <userName>:<password> -H "Accept: application/json" -X POST -d "TargetCI=<value>&AccountName=<value>&userID=<UserID>" https://si2nascent-1.ssn.hp.com/automationwebsrv/api/<DeviceActionName_1442505236>_Ver._1/1/
```

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.

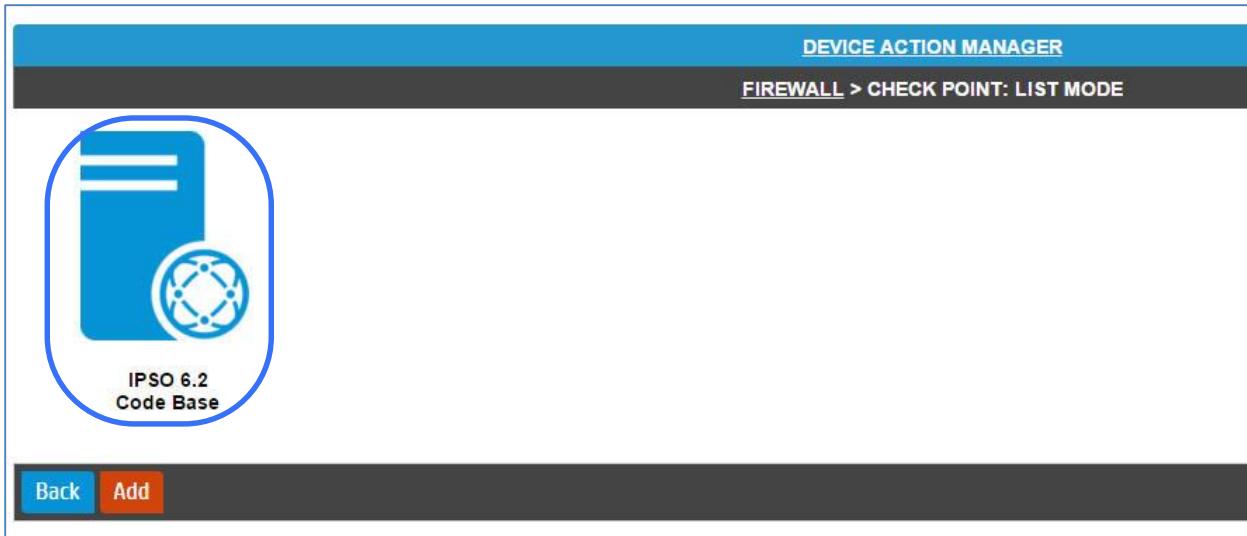
5.6.2.2 Firewall



1. Select **Firewall**. The **Firewall** window displays.



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



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

| DEVICE ACTION MANAGER | | | | | | | | | |
|---|--------------------------|-----------------------------|--------------|------------|---------|----------------|--------|---------------|--|
| FIREWALL > CHECK POINT > IPSO 6.2 CODE BASE : LIST MODE | | | | | | | | | |
| Manage | Name | Description | CreateBy | Type | Version | Status | State | Compatibility | |
| | | | | | | | | | |
| Page 1 | | | | | | | | | |
|    | FirewallDeviceActionTest | Firewall Device Action Test | Garcia Kelly | Monitoring | 1 | In Development | Locked | Firewall D8 | |

The screenshot shows the 'Device Action Manager' interface for the 'FIREWALL > CHECK POINT > IPSO 6.2 CODE BASE : LIST MODE'. The top navigation bar is blue with the title 'DEVICE ACTION MANAGER' and the current path 'FIREWALL > CHECK POINT > IPSO 6.2 CODE BASE : LIST MODE'. Below the navigation is a table with columns: Manage, Name, Description, CreateBy, Type, Version, Status, State, Compatibility, and an empty column at the end. The 'Manage' column contains icons for View, Edit, and Star. The table has one data row. At the bottom is a dark grey footer bar with 'Back' and 'Add' buttons.

5.6.2.2.1 View

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

DEVICE ACTION

ROUTER/SWITCH > CHECK POINT > IPSO 6.2 CODE BASE > FIREWALLDEVICEACTIONTEST : VIEW MODE

| | | | |
|--|--|---|--|
| CommonActionName : | <input type="text" value="Please Select"/> | Action Description : | <input type="text" value="Firewall Device Action Test"/> |
| Action Name : | <input type="text" value="FirewallDeviceActionTest"/> | | |
| Version : | <input type="text" value="1"/> | | |
| Action Type : | <input type="text" value="Monitoring"/> | | |
| Device Profile : | <input type="text" value="Firewall D8"/> | | |
| Status : | <input type="text" value="In Development"/> | | |
| State : | <input type="text" value="Locked"/> | | |
| Create Date : | <input type="text" value="2015-01-22 19:17:03 - By - Garcia Kelly"/> | | |
| Last Update : | <input type="text" value="2015-06-23 16:40:26 - By - Garcia Kelly"/> | | |
| Human Time (HH:mm:ss): | <input type="text" value="00:00:00"/> | | |
| Automation Time (HH:mm:ss): | <input type="text" value="00:00:00"/> | | |
| Action Elements : [1] | | Action Parameters : [2] | |
| <input type="text" value="KellyFirewallDeviceActionTest-1"/> <input type="button" value="Script"/> | | TargetCI AccountName UserID <input type="text" value="blah"/> <input type="text" value="this"/> | !Required! !Required! !**! |

2. Scroll down the screen to view additional fields.

| | |
|---|---|
| Action Elements : [1] | Action Parameters : [2] |
| <input type="text" value="KellyFirewallDeviceActionTest-1"/> <input type="button" value="Script"/> | TargetCI AccountName UserID <input type="text" value="blah"/> <input type="text" value="this"/> |
| <input type="button" value="Edit"/> <input type="button" value="Cancel"/> | |
| Available End Devices | |
| Web Services API <pre>**** 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"</pre> | |

5.6.2.2.2 Edit

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

The screenshot shows the 'DEVICE ACTION' interface for editing a device action. The top bar indicates the path: ROUTER/SWITCH > CHECK POINT > IPSO 6.2 CODE BASE > FIREWALL DEVICE ACTION TEST : EDIT MODE. The left side contains several configuration fields with dropdown menus and input boxes. On the right, there is a rich text editor for the 'Action Description' and a table for 'Action Parameters'. A large blue text overlay 'Est. Time Saving : 00:00:00' is positioned in the bottom right corner of the interface.

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:mm: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.

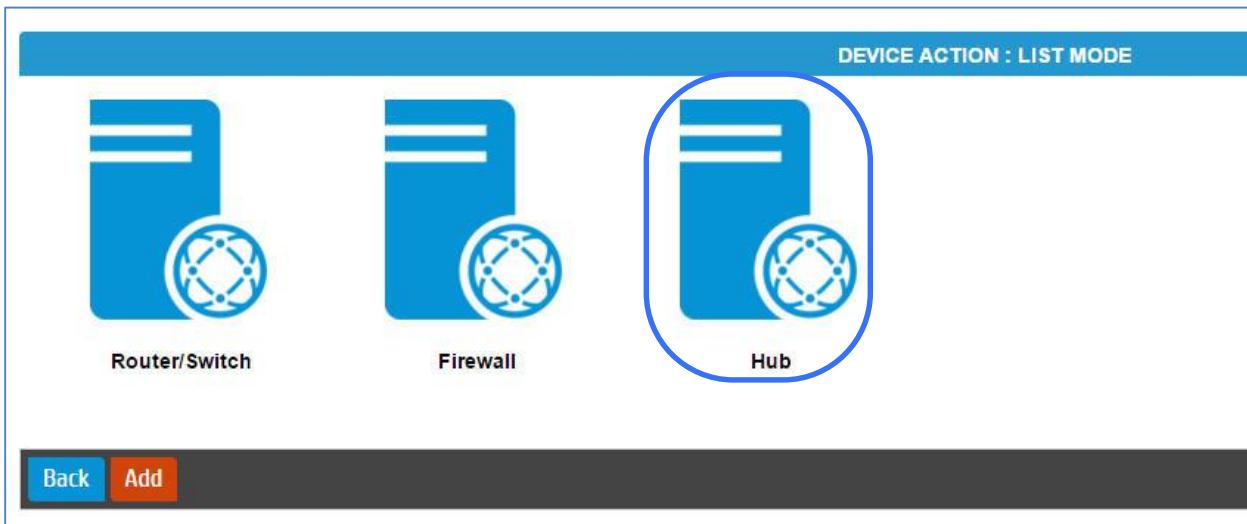
- **Action Parameters** – Displays required information.
3. Click **Action TestRun** to test your changes.

The screenshot shows a software interface for managing actions. At the top left, there's a section titled "Action Elements : [1]" with a single item "KellyFirewallDeviceActionTest-1". To its right is a "Script" button, an "Edit" button (which is currently highlighted in red), and a "Delete" button. Below this is a "Action Parameters : [2]" section containing three fields: "TargetCI" (with validation "IsRequired!"), "AccountName" (with validation "IsRequired!"), and "UserID" (with validation "!**!"). Under "TargetCI", there are two input fields: "blah" and "this". At the bottom of this section are buttons for "Duplicate", "Save", "Cancel", "Delete", and "Submit for Approval". To the right of these buttons is a blue "Action TestRun" button. Below these buttons is a large text area divided into two sections: "Available End Devices" (which is currently empty) and "Web Services API". The "Web Services API" section contains a code snippet:

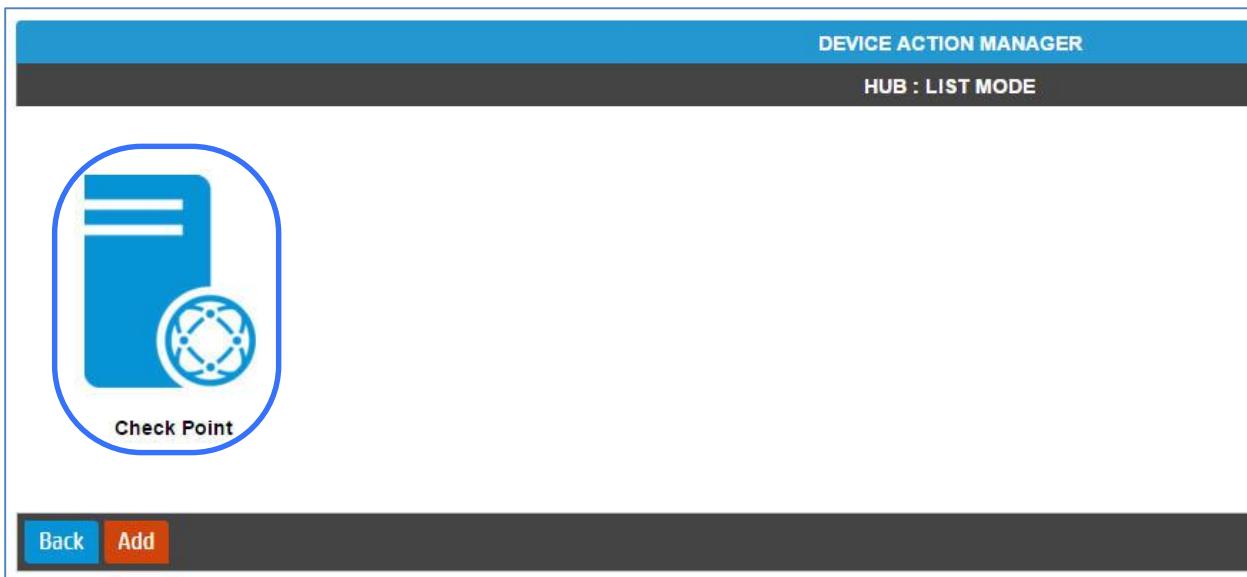
```
**** Device Action API Call Sample *****
curl -k --basic -user <UserName>:<Password> -H "Accept: application/json" -X POST -d "TargetCI=<value>&AccountName=<value>&userID=<UserID>&blah=<value>&this=<value>" https://si2nascent-1.ssn.hp.com/automationwebsrv/spi/FirewallDeviceActionTest/1/
```

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.

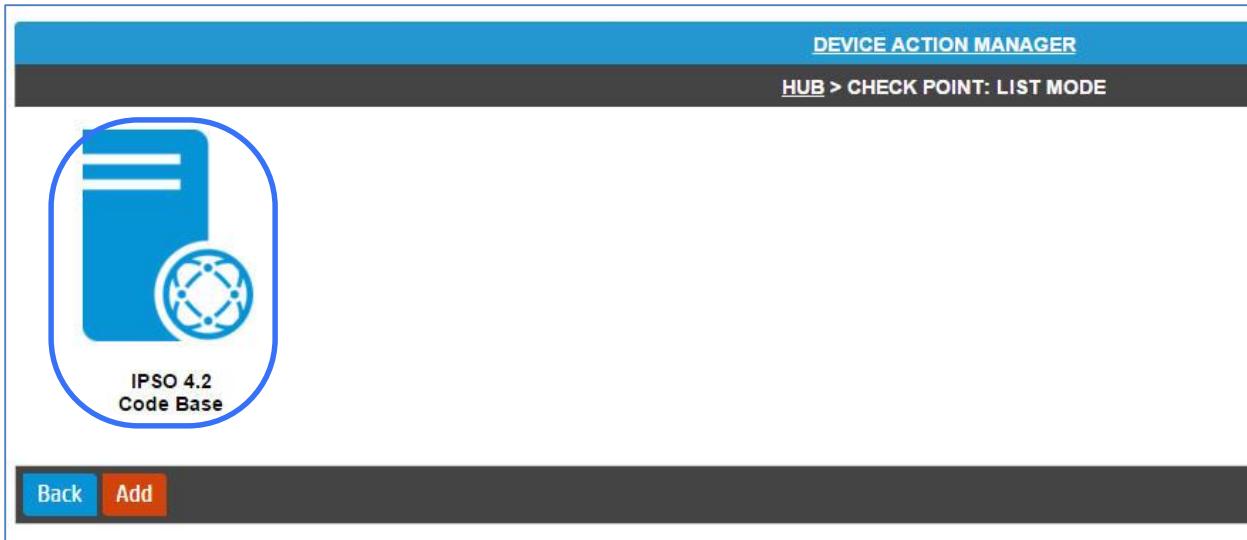
5.6.2.3 Hub



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.

| DEVICE ACTION MANAGER | | | | | | | | | |
|--|------|-------------|----------------------------|-----------------------------|--------------|------------|-------|----------------|--------------------|
| HUB > CHECK POINT > IPSO 4.2 CODE BASE : LIST MODE | | | | | | | | | |
| Manage | Name | Description | CreateBy | Type | Version | Status | State | Compatibility | |
| | | | | | | | | | |
| Page 1 | | | | | | | | | |
| | | | Action_2015-02-06_19:31:47 | Test Action | Garcia Kelly | Monitoring | 1 | In Development | Locked |
| | | | | | | | | | DeviceProfile_1234 |

5.6.2.3.1 View

DEVICE ACTION

ROUTER/SWITCH > CHECK POINT > IPSO 4.2 CODE BASE > ACTION_2015-02-06_19:31:47 : VIEW MODE

| | | |
|-----------------------------|---|--|
| CommonActionName : | Please Select | Action Description : |
| Action Name : | Action_2015-02-06_19:31:47 | Test Action |
| Version : | 1 | |
| Action Type : | Monitoring | |
| Device Profile : | DeviceProfile_1234 | |
| Status : | In Development | |
| State : | Locked | |
| Create Date : | 2015-02-06 19:32:54 - By - Garcia Kelly | |
| Last Update : | 2015-03-09 19:46:04 - By - Garcia Kelly | |
| Human Time (HH:mm:ss): | 00:00:00 | |
| Automation Time (HH:mm:ss): | 00:00:00 | |
| Action Elements : [0] | | Action Parameters : [0] |
| | | TargetCI AccountName UserID !Required! !Required! !***! |

Edit **Cancel**

1. Scroll down the window to view additional fields.

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>" https://si2nascent-1.ssn.hp.com/automationwebsrv/api/Action_2015-02-06_19:31:47/1/
```

5.6.2.3.2 Edit

Est. Time Saving : 00:00:00

DEVICE ACTION

ROUTER/SWITCH > CHECK POINT > IPSO 4.2 CODE BASE > ACTION_2015-02-06_19:31:47 : EDIT MODE

| | | |
|----------------------------------|---|--|
| CommonActionName : | Please Select | Action Description : |
| Action Name : | Action_2015-02-06_19:31:47 | Formats B |
| Version : | 1 | Test Action |
| Action Type : | Monitoring | p |
| Device Profile : | DeviceProfile_1234 | |
| Status : | In Development | |
| State : | Locked | |
| Read Only : | <input checked="" type="checkbox"/> | |
| Create Date : | 2015-02-06 19:32:54 - By - Garcia Kelly | |
| Last Update : | 2015-03-09 19:46:04 - By - Garcia Kelly | |
| Human Time (HH:mm:ss): | 00:00:00 | Update |
| Automation Time (HH:mm:ss): | 00:00:00 | |
| Action Elements : [0] + | | Action Parameters : [0] |
| | | TargetCI !Required! AccountName !Required! UserID !!!! |

Duplicate Save Cancel Delete Submit for Approval Action TestRun

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.

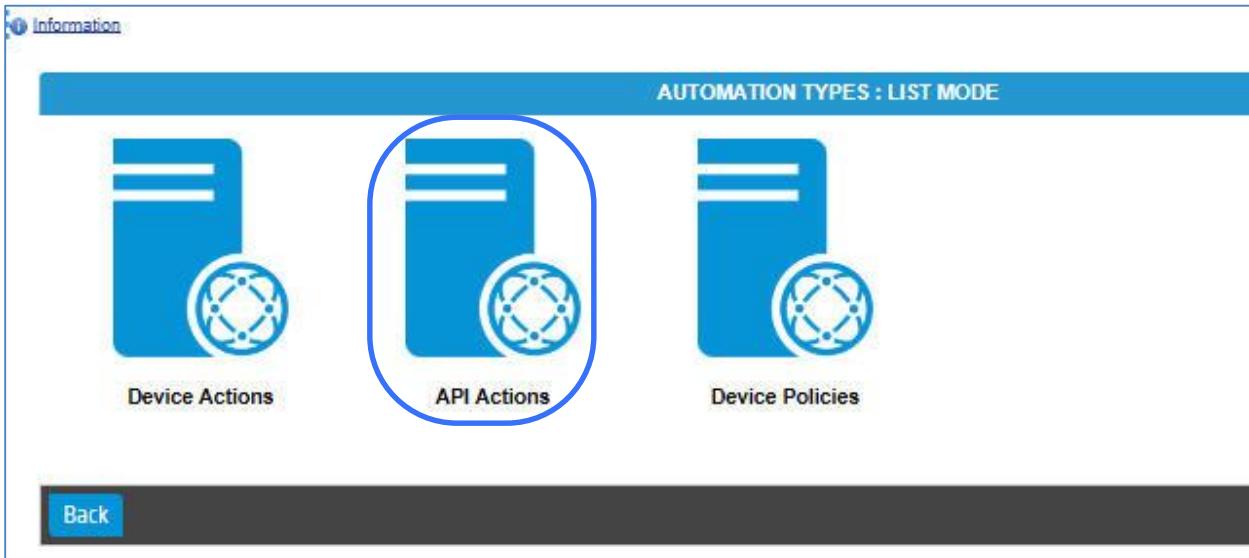
The screenshot shows two main sections. The top section is titled "Available End Devices" and contains a large, empty white area with a scroll bar on the right. The bottom section is titled "Web Services API" and contains a code snippet:

```
**** Device Action API Call Sample *****
curl -k -basic --user <UserName>:<Password> -H "Accept: application/json" -X POST -d "TargetCI=<value>&AccountName=<value>&userID=<UserID>" https://si2nascent-1.ssn.hp.com/automationwebsrv/api/Action_2015-02-06_19:31:47/1/
```

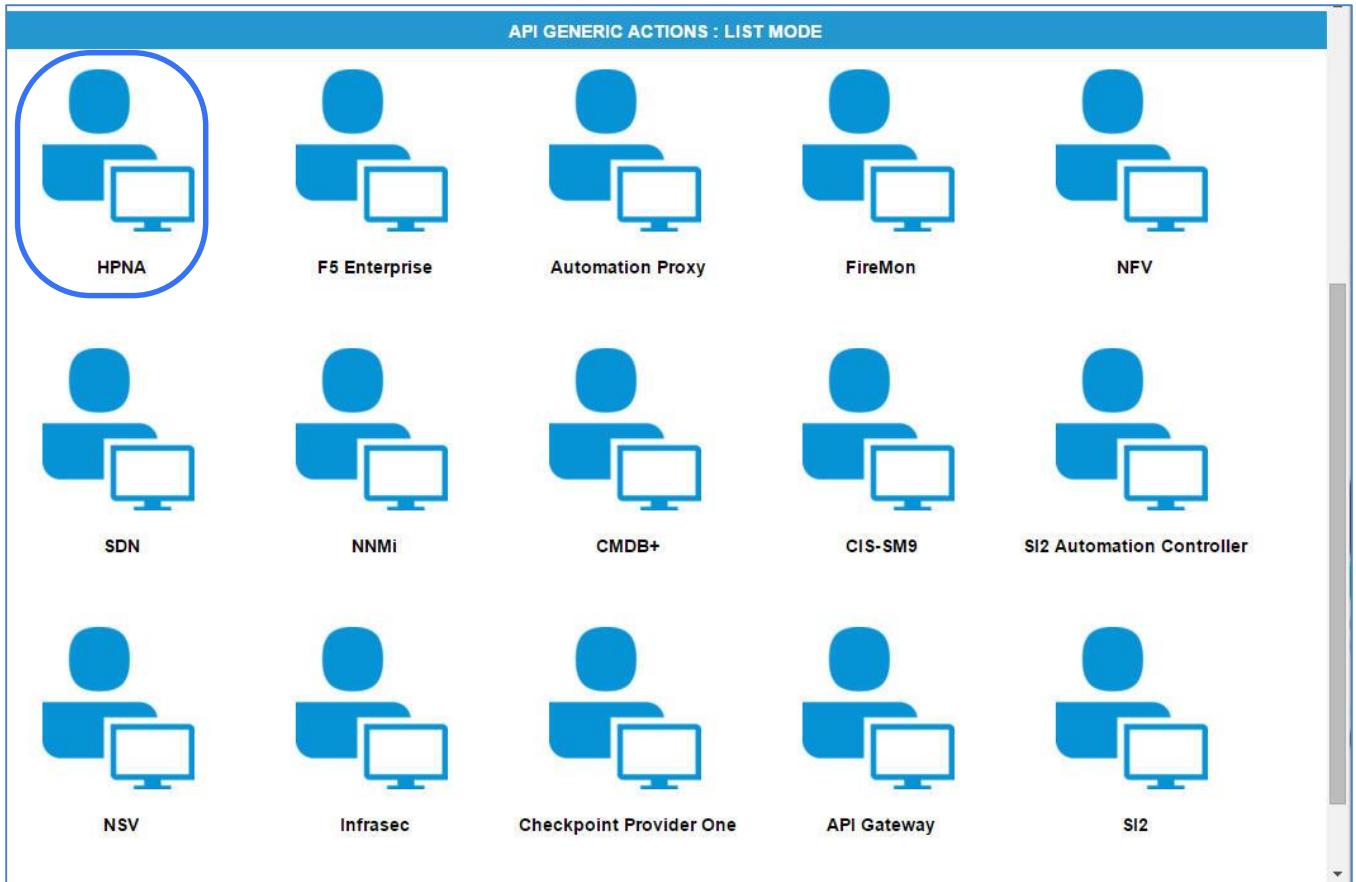
6. Buttons at the bottom of the form include:

- **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.

API GENERIC ACTION MANAGER

HPNA : LIST MODE

| Manage | Name | Description | CreateBy | Type | Version | Status | State | ASP Instance |
|----------------------|---|-----------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Page 1 | | | | | | | | |
| | Generic_Action_2015-08-20_04:44:17 | test | Solomon Tsao | Monitoring | 1 | In Development | Locked | LAB HPNA #1 10.0 |
| | TestGenAct1 | TestGenAct1 | Chitta Behera | Trending | 1 | In Development | Locked | LAB HPNA #2 9.20.01 |
| Back | Add | | | | | | | |

5.6.3.1 Add an API Generic Action

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

The screenshot shows the 'API GENERIC ACTION : ADD MODE' dialog box. It contains the following fields:

- Action Name: <GenericActionName_1454530230>_Ver_1
- Version: 1
- Action Type: Monitoring
- ASP: (dropdown menu)
- ASP Instance: Select ASP Instance
- Status: In Development
- State: Locked
- Action Elements: [0] + (empty list)
- Action Parameters: [0] (empty list)
- Action Description: (rich text editor with placeholder 'p')

At the bottom, there are 'Save' and 'Cancel' buttons, and a 'Generic Action TestRun' button on the right.

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

| API GENERIC ACTION MANAGER | | | | | | | | |
|---|------------------------------------|-------------|---------------|------------|---------|----------------|--------|---------------------|
| HPNA : LIST MODE | | | | | | | | |
| Manage | Name | Description | CreateBy | Type | Version | Status | State | ASP Instance |
| Page 1 | | | | | | | | |
|  | Generic_Action_2015-08-20_04:44:17 | test | Solomon Tsao | Monitoring | 1 | In Development | Locked | LAB HPNA #1 10.0 |
|  | TestGenAct1 | TestGenAct1 | Chitta Behera | Trending | 1 | In Development | Locked | LAB HPNA #2 9.20.01 |

Back **Add**

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

API GENERIC ACTION
► **GENERIC_ACTION_2015-08-20_04:44:17 : VIEW MODE**

| | | | |
|-----------------------|------------------------------------|--------------------------------|----------------------------------|
| Action Name : | Generic_Action_2015-08-20_04:44:17 | Action Description : | test |
| Version : | 1 | Action Elements : [0] | Action Parameters : [0] |
| Action Type : | Monitoring | | |
| ASP : | Select ASP Instance | | |
| ASP Instance : | In Development | | |
| Status : | Locked | | |
| State : | | | |

Save **Cancel** **Generic Action TestRun**

Web Services API

```
**** Generic Action API Call Sample ****
curl -k --basic --user <UserName>:<Password> -H "Accept: application/json" -X POST https://si2nascent-1.ssn.hp.com/automationwebsrv/genericapi/Generic_Action_2015-08-20_04:44:17/1/
```

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**.

The screenshot shows the 'API GENERIC ACTION' window titled '> GENERIC_ACTION_2015-08-20_04:44:17 : EDIT MODE'. The left side contains a vertical list of configuration fields:

- Action Name: Generic_Action_2015-08-20_04:44:17
- Version: 1
- Action Type: Monitoring
- ASP: (dropdown menu)
- ASP Instance: Select ASP Instance
- Status: In Development
- State: Locked

The right side has two main sections:

- Action Description:** A rich text editor containing the text "test" and "p".
- Action Parameters:** A list showing "[0]".

At the bottom, there are buttons for Save, Cancel, Delete, Submit for Approval, and Generic Action TestRun.

Web Services API

```
**** Generic Action API Call Sample ****
curl -k --basic --user <UserName>:<Password> -H "Accept: application/json" -X POST https://si2nascent-1.ssn.hp.com/automationwebsrv/genericapi/Generic_Action_2015-08-20_04:44:17/1/
```

2. Enter or select information in the following fields:

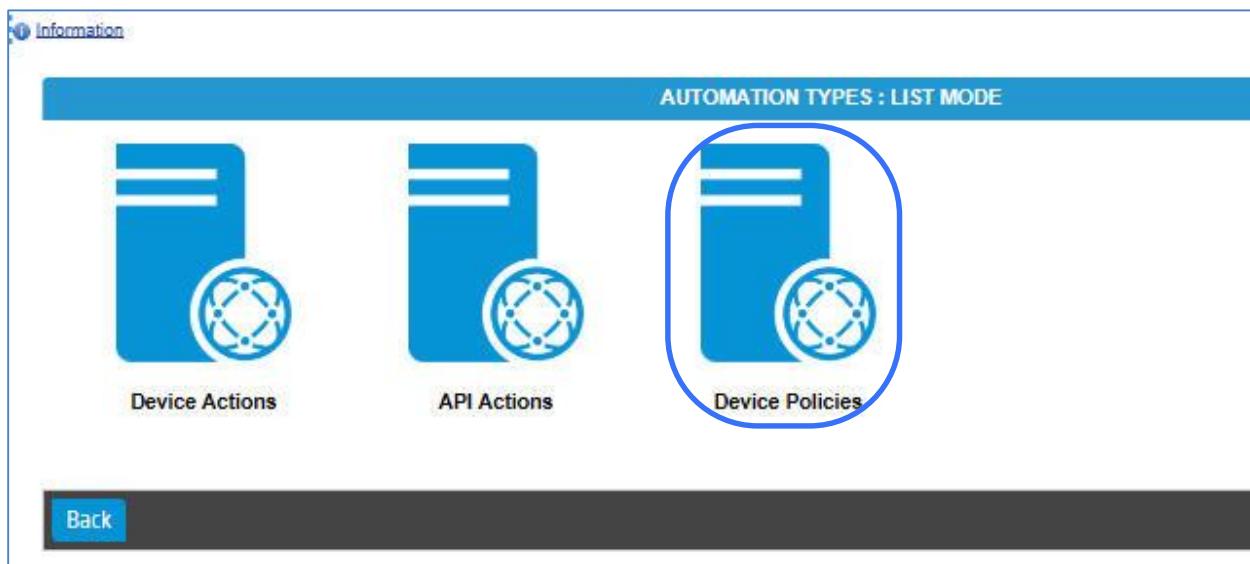
- **Action Name**
- **Version**
- **Action Type**
- **ASP**
- **ASP Instance**
- **Status**
- **State**
- **Action Elements**
- **Action Description**
- **Action Parameters**

3. Click **Generic Action TestRun** to test the Action.

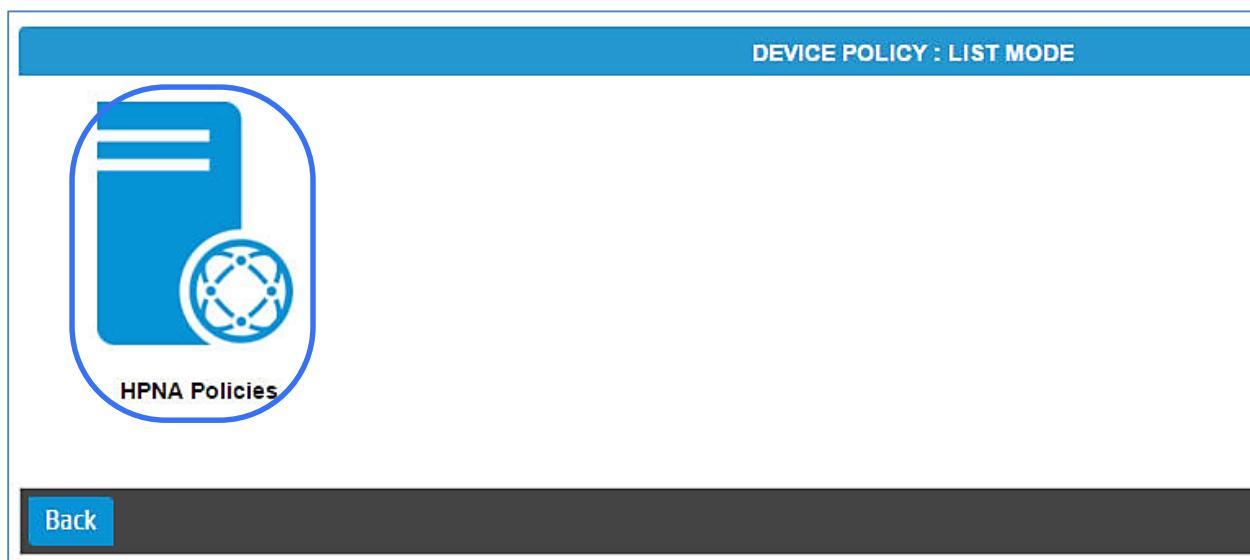
4. Additional buttons at the bottom of the window allow you to:

- **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.

DEVICE POLICY MANAGER
HPNA POLICIES : LIST MODE

| Manage | Name | Description | CreateBy | Type | Status | State |
|--------|------|-------------|----------|------|--------|-------|
| | | | | | | |

Page 1

| | | | | | | |
|---|---------------|--------------------------------|--------------|---------------|----------------|--------|
|    | Policy_Test_2 | View Interface | Solomon Tsao | HPNA Policies | In Development | Locked |
|    | wqretqwrt | | Solomon Tsao | HPNA Policies | In Development | Locked |
|    | | | Edwin Hemert | HPNA Policies | In Development | Locked |

[Back](#) [Add](#)

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**.

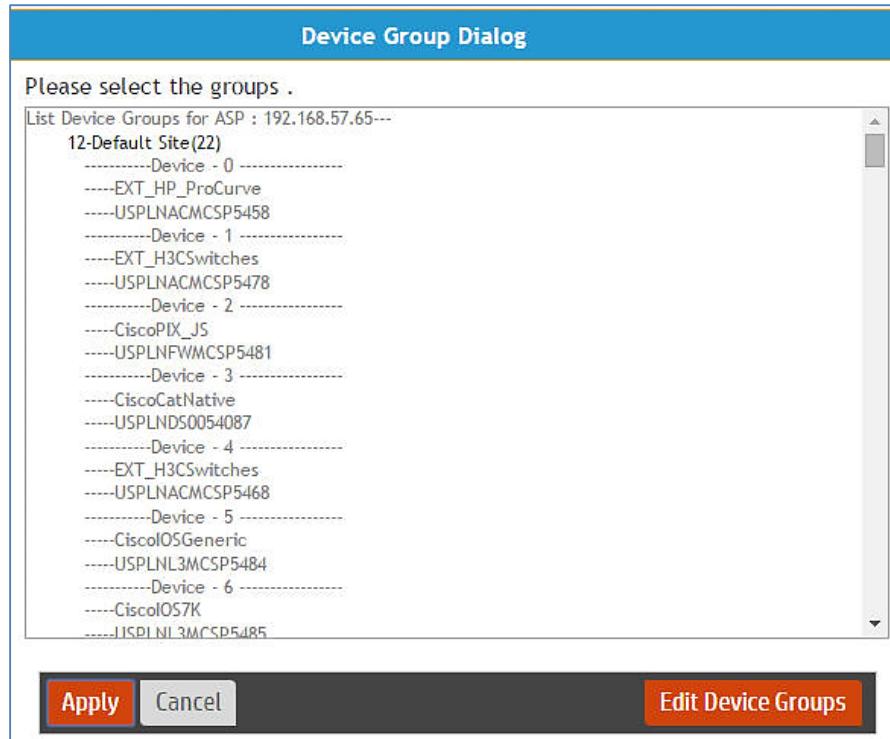
DEVICE POLICY

HPNA POLICIES > POLICY_TEST_2 : EDIT MODE

| | |
|-------------------------|----------------------------|
| ● Policy Name : | Policy_Test_2 |
| ● Site Name : | |
| ● Policy Tag : | |
| ● Scope : | 192.168.57.50_Default Site |
| ● Exceptions : | |
| ● Policy Status : | inactive |
| ● Action Status : | In Development |
| ● Action State : | Locked |
| ● Read Only : | <input type="checkbox"/> |
| Create Date : | - By - |
| Last Update : | 2015-11-19 08:36:51 - By - |
| ● CVE : | |
| ● Vendor Advisory URL : | |
| ● Vendor Solution URL : | |
| ● Disclosure Date : | 0000-00-00 |
| ● Solution : | |
| ● Policy Description : | First test policy rule |

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.

Policy Rules : [3]

| | | | | | | |
|-------------------|---------------|--|--------|--|-------------|--------|
| AAA Configuration | Configuration | | High | Check the AAA domain configuration | Edit | Delete |
| ACL management | Configuration | | High | Check the ACL used for device management | Edit | Delete |
| STP | Configuration | | Medium | Check the spanning-tree configuration | Edit | Delete |

Duplicate Save Cancel **Install Policy**

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>" https://si2nascent-1.ssn.hp.com/automationwebsrv/api///
```

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

DEVICE POLICY > HPNA POLICIES > POLICY_TEST_2 > [- POLICY RULE : ADD MODE

| | | |
|-------------------------------|--|---|
| Policy Name : | HPNA Policies | Rule Conditions : [1] |
| Rule Name : | AAA Configuration | A Config Block 1 contains only |
| Rule Type : | Configuration | domain system |
| Rule Description : | Check the AAA domain configuration | authentication default hwtacacs-scheme mc-n local |
| Detailed Description : | domain system | |
| Device Family : | <input checked="" type="radio"/> All <input type="radio"/> Device Family | |
| Define Text Block : | <input checked="" type="checkbox"/> Set Text Blocks to be used by rule conditions. Start Pattern : domain system Block End Pattern : # | |

6. Scroll down the window to view additional fields.

Block End Pattern :

```
#
```

Importance : High

Status : In Development

State : Locked

Update Cancel

7. Edit the fields as needed.

8. Click **Update**.

Policy Rules : [3]

| AAA Configuration | Configuration | | High | Check the AAA domain configurati | Edit | Delete |
|-------------------|---------------|--|--------|-----------------------------------|------|--------|
| ACL management | Configuration | | High | Check the ACL used for device ma | Edit | Delete |
| STP | Configuration | | Medium | Check the spanning-tree configura | Edit | Delete |

Duplicate Save Cancel Install Policy

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>" https://si2nascent-1.ssn.hp.com/automationwebsrv/api///
```

9. Click **Duplicate** to create a copy.

10. Click **Save**.

11. Click **Install Policy**. The **Policy** becomes active.