



## APPENDIX **O**

# Deployment User Interface Reference

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Depending on whether you are in Workflow mode or non-Workflow mode, the pages displayed in support of deployment differ. The following topics provide user interface reference information for these pages:

- [Deployment—Non-Workflow Mode, page O-1](#)
- [Deployment—Workflow Mode, page O-9](#)

## Deployment—Non-Workflow Mode

The following topics provide details about the windows and dialog boxes used for deploying configurations and managing deployment jobs when using non-Workflow mode:

- [Deployment Manager Window \(Non-Workflow Mode\), page O-2](#)
- [Deploy Saved Changes Dialog Box, page O-3](#)
- [Deployment Status Details Dialog Box, page O-6](#)
- [Preview Config Dialog Box, page O-8](#)

## Deployment Manager Window (Non-Workflow Mode)

Use the Deployment Manager window to display a list of deployment sessions, view job details, deploy and redeploy configurations to devices, abort deployment jobs, and rollback to previous configurations on selected devices.

### Navigation Path

Click the Deployment Manager button on the Main toolbar.

### Related Topics

- [Viewing Deployment Status Information, page 18-37](#)

### Field Reference

**Table O-1** Deployment Manager Window (Non-Workflow Mode)

Element	Description
Name	Name of the job. Click a job name to display details about the job. Information is displayed under the Deployment Details tab.
Last Action	Date and time that the job or status was changed. <b>Note</b> Uses the time zone of the server, not the time zone of the client.
Status	State of each job. For a list of valid states, see <a href="#">Job States in Non-Workflow Mode, page 18-4</a> .
Changed By	Name of the user who modified the job.
Description	Description for each job.
Deploy button	Deploys the generated CLI commands to the selected devices or files. When you click Deploy, the Deploy Saved Changes dialog box appears. For details about the elements on the page, see <a href="#">Deploy Saved Changes Dialog Box, page O-3</a> .
Refresh button	Reloads job information from the Security Manager server. The latest job information is displayed in the Deployment Job table.
Redeploy button	Redeploys the generated CLI commands to the selected devices or files. When you click Redeploy, the Redeploy Job page appears. For details about the elements in the dialog box, see <a href="#">Redeploy a Job Dialog Box, page O-32</a> .

**Table O-1** Deployment Manager Window (Non-Workflow Mode) (continued)

Element	Description
Abort button	Aborts a job that is in the Deploying state. The Abort state is a final state; no other actions can be taken on the job. Click Abort to display the Abort Deployment Job dialog box. For details about the elements in the dialog box, see <a href="#">Abort Deployment Job Dialog Box, page O-28</a> .
Rollback button	Deploys the selected job again. Click Rollback to display the Deployment Rollback dialog box. For details about the elements on the page, see <a href="#">Deployment Rollback Dialog Box, page O-29</a> .
Summary tab	Displays summary information about the status of deployment jobs, such as the status of the job, number of devices deployed successfully, and number of device deployed with errors. For information about the elements displayed, see <a href="#">Summary Tab (Deployment Manager Window), page O-34</a> .
Details tab	Displays details about the deployment to specific devices, including information about errors, the proposed configuration, and the transcript of the download. For information about the elements displayed, see <a href="#">Details Tab (Deployment Manager Window), page O-35</a> .
Close button	Closes the dialog box.
Help button	Opens help for this dialog box.

## Deploy Saved Changes Dialog Box

Use the Deploy Saved Changes dialog box to select specific devices for deployment.



### Caution

You must configure at least one policy on a device before deploying to that device. If you deploy to a device without assigning at least one policy, the device's current configuration is overwritten with a blank configuration.

### Navigation Path

Do one of the following:

- Select **File > Submit and Deploy**. If the validation results in errors, either click **Cancel** and resolve the errors before attempting to deploy again or click **OK** to proceed.


- Click the Deployment Manager button on the Main toolbar. Then click **Deploy**. If the validation results in errors, either click **Cancel** and resolve the errors before attempting to deploy again or click **OK** to proceed.

**Related Topics**

- [Deploying Configurations in Non-Workflow Mode, page 18-38](#)
- [Previewing Configurations, page 18-43](#)
- [Job States in Non-Workflow Mode, page 18-4](#)

## Field Reference

Table O-2 Deploy Saved Changes Dialog Box

Element	Description
Devices Selector	<p>All devices for which policy changes were made but not yet deployed. To include devices in the deployment job, select the check box next to the desired device. To remove devices from the deployment job, deselect the check box.</p> <p> <b>Note</b> To preview the configuration for a device, right-click the device, then select <b>Preview Config</b>.</p> <hr/> <p>Also consider the following:</p> <ul style="list-style-type: none"> <li>• If you select a subset of devices that are part of a VPN and click <b>OK</b>, a warning appears. See <a href="#">Warning - Partial VPN Deployment Dialog Box, page O-16</a>.</li> <li>• You cannot select devices that were included in other deployment jobs that are in an active state (Edit, Edit Open, and Approved). You can select devices that were included in other deployment jobs that are in the Deployed, Failed, Discarded, or Aborted states.</li> <li>• In Catalyst 6500/7600, Firewall service modules (FWSMs) and Intrusion Detection System service modules (IDSMS) contain virtual devices. The module and the virtual devices are each considered by Security Manager to be separate devices.</li> <li>• Some changes to the FWSM might require the Catalyst 6500/7600 Multiservice function card (MSFC) to be updated as well. If you select a FWSM that has these types of changes, Security Manager notifies you that you must include the MSFC in the deployment job, and it will select the MSFC device for you automatically. However, if the MSFC is already included in another active deployment job (that is, one that is in the Edit, Edit Open, Submitted, Submitted Open, Approved, or Rejected states), you cannot include the MSFC in the current deployment job. You must remove the MSFC from the other deployment job, discard the other deployment job, or include the FWSM in the other deployment job.</li> </ul>
Edit deploy method button	<p>Select to specify whether to deploy the generated configurations directly to the devices in the network or to files in a directory. See <a href="#">Edit Deploy Method Dialog Box, page O-17</a> for details.</p>

**Table O-2**      **Deploy Saved Changes Dialog Box (continued)**

Element	Description
Add other devices button	Displays a list of <i>all</i> devices whether or not they contain proposed policy changes. You can select devices from this list to include in the All (or Modified Devices) tab. From the All tab, you can select to include those devices in your deployment job. See <a href="#">Add Other Devices Dialog Box, page O-23</a> for details.
Deploy button	Deploys updated configuration information to the selected devices. See <a href="#">Deployment Status Details Dialog Box, page O-6</a> .
Cancel button	Cancels the operation and closes the dialog box.
Help button	Opens help for this dialog box.

## Deployment Status Details Dialog Box

The Deployment Status Details dialog box appears while configurations are being deployed to selected devices. It displays summary information about the job, status about the deployment to each device, and messages indicating why the deployment failed.

In the Deployment Details table, select a row corresponding to a device to display deployment status messages for that device.



### Note

You can click **Close** to close this dialog box and continue working in Security Manager while deployment continues.

### Navigation Path

From the Deploy Saved Changes dialog box, click **Deploy**.

### Related Topics

- [Deploy Saved Changes Dialog Box, page O-3](#)
- [Deployment Job Approval, page 18-9](#)
- [Deploying Configurations in Non-Workflow Mode, page 18-38](#)

## Field Reference

Table O-3 Deployment Status Details Dialog Box

Element	Description
<b>Deployment Status Details</b>	
Progress Status Bar	Visual representation and percentage of devices that were successfully updated.
Status	Status of the deployment. Valid states are Deploying, Aborted, Successful, and Failed. For descriptions of these states, see <a href="#">Job States in Non-Workflow Mode, page 18-4</a> .
Devices To Be Deployed	Total number of devices in the deployment session.
Devices Deployed Successfully	Number of devices that were updated successfully.
Devices Deployed With Errors	Number of devices that failed to be updated.
<b>Deployment Details</b>	
Device	Lists the names of the devices in the deployment session.
Status	Shows the status of the deployment jobs. Valid states are Deploying, Aborted, Successful, and Failed. For a list of valid job states, see <a href="#">Job States in Non-Workflow Mode, page 18-4</a> .
Summary	Number of warnings, errors, and failures.
Method	Method of deployment to the device. Valid methods are File and Device.
Config	Displays the device configuration file. Double click the icon for the desired device. For more information, see <a href="#">Preview Config Dialog Box, page O-8</a> .
Transcript	Displays commands to and responses from the device during deployment. Double-click the icon for the desired device.
Messages	Warning, error, and failure messages.
Severity	Icons representing the message severity.
Description	Description of the warning, error, or failure.
Action	Information about how the warning, error, or failure might be corrected.
Refresh button	Updates information displayed in the dialog box.

**Table O-3**      **Deployment Status Details Dialog Box (continued)**

Element	Description
Abort button	Aborts job deployment. You can abort deployment jobs only while they are in the Deploying, Scheduled, or Rolling Back state. Aborting a job stops deployment of configuration files to pending devices, but has no effect on devices to which deployments are in progress (commands are being written to a device) or to which deployment has already completed successfully.  The Abort state is a final state.
Close button	Closes the dialog box.
Help button	Opens help for this dialog box.

## Preview Config Dialog Box

Use the Preview Config dialog box to display the proposed changes, last deployed configuration, or current running configuration for specific devices.

If you use the Preview Config dialog box on a virtual sensor, the preview that you see is for the parent device, not the virtual sensor. The reason is that the configuration for a virtual sensor is stored on the parent device.

### Navigation Path

From the Edit Deploy Method dialog box, select a device and click **Preview Config**.

### Related Topics

- [Edit Deploy Method Dialog Box, page O-17](#)
- [Previewing Configurations, page 18-43](#)

## Field Reference

**Table O-4** *Preview Config Dialog Box*

Element	Description
Proposed commands to be downloaded	Complete proposed configuration that will be on the device after deployment, including the configuration changes you have made using Security Manager and the existing configuration on the device.
Reference Configuration	Choose a configuration to compare against the proposed configuration: <ul style="list-style-type: none"> <li>• None—Leaves the reference configuration blank.</li> <li>• Last deployed—Displays the last configuration that was imported from the device and compares it with the proposed configuration.</li> <li>• Current running—Displays the current configuration running on the device and compares it with the proposed configuration.</li> </ul>
First Difference button	Moves the cursor to the first difference noted between the proposed and reference configurations.
Previous Difference button	Moves the cursor to the previous difference noted between the proposed and reference configurations.
Current Difference button	Centers the currently selected difference on the page.
Next Difference button	Moves the cursor to the next difference noted between the proposed and reference configurations.
Last Difference button	Moves the cursor to the last difference noted between the proposed and reference configurations.
Print button	Prints the active dialog box.
Close button	Closes the dialog box.
Help button	Opens help for this dialog box.

## Deployment—Workflow Mode

When in Workflow mode, the Deployment Manager window provides access to deployment job status and history and allows you to create and deploy jobs.

The following topics help you understand the Deployment Manager window and create and manage deployment jobs:

- [Deployment Manager Window \(Workflow Mode\)](#), page O-10
- [Summary Tab \(Deployment Manager Window\)](#), page O-34
- [Details Tab \(Deployment Manager Window\)](#), page O-35
- [History Tab \(Deployment Manager Window\)](#), page O-36

## Deployment Manager Window (Workflow Mode)

The Deployment Manager window contains four elements: the Deployment Job Table, Summary tab, Details tab, and History tab. These elements allow you to manage deployment of configurations to devices by helping you create and deploy jobs, monitor the status of deployment to devices, research deployment failures, and display job transaction histories.

### Navigation Path

Click the Deployment Manager button on the Main toolbar.

### Related Topics

- [Job States in Workflow Mode](#), page 18-8
- [Performing Additional Workflow-Mode Tasks](#), page 18-51

### Field Reference

**Table O-5** *Deployment Manager Window (Workflow Mode)*

Element	Description
Name	Name of the job. Click a job name to display details about the job. Information is displayed on the Deployment Details tab.
Last Action	Date and time that the job or status were modified. <b>Note</b> Uses the time zone of the server, not the time zone of the client.
Status	State of each job. For a list of valid states, see <a href="#">Job States in Workflow Mode</a> , page 18-8.
Changed By	Name of the user who modified the job.

**Table O-5** Deployment Manager Window (Workflow Mode) (continued)

Element	Description
Description	Description for each job.
Create button	Creates a new job. Click Create to display the Create a Job dialog box. See <a href="#">Create a Job Dialog Box, page O-12</a> for details about the elements on the page.
Open button	Opens the selected job.
Close button	Closes and save all changes made while the job was open. You can close a job when it is in the Edit Open or the Submit Open state.
Submit button	Submits the job for approval. You can submit a job when it is in the Edit or the Edit Open state. Click Submit to display the Submit Deployment Job dialog box. See <a href="#">Submit Deployment Job Dialog Box, page O-23</a> for details about the elements in the dialog box.
Reject button	Rejects the selected job if you are not satisfied with the configurations generated for the devices. Click Reject to display the Reject Deployment Job dialog box. See <a href="#">Discard Deployment Job Dialog Box, page O-26</a> for details about the elements in the dialog box.
Approve button	Approves the selected job. This button is present only if job approval is enabled in the System Settings under the Admin tab. If so, jobs must be approved before they can be deployed. Click Approve to display the Approve Deployment Job dialog box. See <a href="#">Approve Deployment Job Dialog Box, page O-25</a> for details about the elements in the dialog box.
Discard button	Discards the job. You can discard a job when it is in any state except Deployed, Deployment Failed, or Aborted. The job state is shown as discarded until the job is purged from the system. The job is purged from the system when you perform the purge action, either automatically as set on the Workflow Management page or manually. Click Discard to display the Discard Deployment Job dialog box. See <a href="#">Discard Deployment Job Dialog Box, page O-26</a> for details about the elements in the dialog box.
Refresh button	Reloads job information from the Security Manager server. The latest job information is displayed in the Deployment table.

**Table O-5**      **Deployment Manager Window (Workflow Mode) (continued)**

Element	Description
Deploy button	<p>Deploys the generated CLI commands to the selected devices or files.</p> <p>If the job is in the Approved state, the Deploy Job page appears. See <a href="#">Deploy Job Dialog Box, page O-27</a> for details about the elements on the page.</p> <p>If the job is in deployed/failed/aborted state then the redeploy job page appears. See <a href="#">Redeploy a Job Dialog Box, page O-32</a> about the elements on the page.</p>
Abort button	Aborts a job that is in the Deploying state with a warning. The Abort state is a final state.
Rollback button	Deploys the previously deployed configuration to the device. When you click Rollback, the Deployment Rollback page appears. See <a href="#">Deployment Rollback Dialog Box, page O-29</a> for details about the elements on the page.
Summary tab	Displays summary information about the status of deployment jobs, such as the status of the job, number of devices deployed successfully, and number of device deployed with errors. For information about the elements displayed, see <a href="#">Summary Tab (Deployment Manager Window), page O-34</a> .
Details tab	Displays details about the deployment to specific devices, including information about errors, the proposed configuration, and the transcript of the download. For information about the elements displayed, see <a href="#">Details Tab (Deployment Manager Window), page O-35</a> .
History tab	Displays information about changes made to a job, including the state change, date and time the change took place, and the user who performed the change. For information about the elements displayed, see <a href="#">History Tab (Deployment Manager Window), page O-36</a> .

## Create a Job Dialog Box

You create deployment jobs to deploy configurations to devices.

### Navigation Path

From the Deployment Manager window, click **Create**.

### Related Topics

- [Creating Deployment Jobs, page 18-51](#)
- [Working with Deployment, page 18-36](#)

- [Job States in Workflow Mode](#), page 18-8
- [Deployment Manager Window \(Workflow Mode\)](#), page O-10

### Field Reference



**Table O-6**      **Create a Job Dialog Box**

Element	Description
<b>Job Name and Description</b>	
Name	Name for the deployment job. Each job must have a unique name. Because the job name enables you to distinguish one job from another, you should assign a logical name that reflects the contents of the job.
Description	Description for the deployment job that reflects the contents of the job.

Table O-6 Create a Job Dialog Box (continued)

Element	Description
<b>Select Devices</b>	
Device Selector	<p>All devices on which policy changes were made but were not yet deployed. Select the check box next to the device to include in the deployment job. By default, all devices with policy changes are selected. You can deselect any of the selected devices if you do not want them included in the current job.</p> <p><b>Note</b> Modifying a subset of devices that are part of a VPN might make the VPN inoperable. If you select a subset of devices that are part of a VPN, then click <b>OK</b>, you will get a warning. See <a href="#">Warning - Partial VPN Deployment Dialog Box, page O-16</a>.</p> <p>Also consider the following:</p> <ul style="list-style-type: none"> <li>• You cannot select devices that were included in other deployment jobs that are in an active state (Edit, Edit Open, Submitted, Submitted Open, Approved, or Rejected). You can select devices that were included in other deployment jobs that are in the Deployed, Failed, Discarded, or Aborted states.</li> <li>• In Catalyst 6500/7600, Firewall service modules (FWSMs) and Intrusion Detection System service modules (IDSMS) contain virtual devices. The module and the virtual devices are each considered by Security Manager to be separate devices.</li> <li>• Some changes to the FWSM might require the Catalyst 6500/7600 Multiservice function card (MSFC) to be updated as well. If you select a FWSM that has these types of changes, Security Manager notifies you that you must include the MSFC in the deployment job, and it selects the MSFC device for you. However, if the MSFC is already included in another active deployment job (that is, one that is in the Edit, Edit Open, Submitted, Submitted Open, Approved, or Rejected states), you cannot include the MSFC in the current deployment job. You must remove the MSFC from the other deployment job, discard the other deployment job, or include the FWSM in the other deployment job.</li> </ul>
Edit deploy method button	Configures whether to deploy the generated configurations directly to the devices in the network or to files in an output directory. See <a href="#">Table O-8</a> for details.

**Table O-6** Create a Job Dialog Box (continued)

Element	Description
Add other devices button	Displays a list of <i>all</i> devices whether or not they contain proposed policy changes. You can select devices from this list. See <a href="#">Add Other Devices Dialog Box, page O-23</a> for details.
<b>Job State—Fields displayed when workflow is turned on without an approver.</b>	
Leave the job in the edit state	Saves the job so that you can make additional changes later.
Approve the job	Approves the job so that it can be deployed later.
Approver Comments	Enter comments about the job. Appears only if you clicked the Approve the job radio button.
Deploy the job	Deploys the job.
Deployment Options	Appears only if you clicked the Deploy the job radio button. Select when to deploy the job. Valid options are Schedule and Deploy Now.
Enter Deployment Time	<p>Appears only if you selected Schedule in the Deployment Options field.</p> <ul style="list-style-type: none"> <li>• <b>Date</b>—Enter the month, date, and year that you want the job to be deployed. You can also click the calendar next to the field to select a date.</li> <li>• <b>Time</b>—Enter the time that you want the job to be deployed. Use the 24-hour clock format.</li> </ul> <p> <b>Note</b> The time you enter should reflect the time zone of the server not necessarily the time zone of the client.</p> <p> <b>Note</b> The minimum amount of time for which you can schedule a job is 5 minutes from the current time.</p>
Deployment Comments	Enter a comment to the approver. For example, you might tell the approver why you are deploying the job.
<b>Job State—Fields displayed when workflow is turned on with an approver.</b>	
Submit the job	Submits the job for approval. By default this check box is selected.

**Table O-6** Create a Job Dialog Box (continued)

Element	Description
Approver email	Email address of the approver. This field can be edited only if the Submit the job check box is selected. To edit the default email address, go to Tools > Security Manager Administration > Workflow.
Approver Comments	Appears only if the Submit the job check box is selected. Enter approver comments if any.
OK button	Saves your changes and closes the dialog box.
Cancel button	Closes the dialog box without saving your changes.
Help button	Opens help for this dialog box.

### Warning - Partial VPN Deployment Dialog Box

When you create a deployment job from the Create a Job dialog box and the job contains devices in a VPN, you must select all of the devices in the VPN. If you select a subset of devices and try to deploy to only those devices, a Warning - Partial VPN Deployment dialog box appears. See [Create a Job Dialog Box, page O-12](#) for additional information.

#### Navigation Path

From the Create a Job dialog box, if you do not select all devices in a VPN, the Warning - Partial VPN Deployment dialog box appears.

#### Related Topics

- [Create a Job Dialog Box, page O-12](#)
- [Creating Deployment Jobs, page 18-51](#)

#### Field Reference

**Table O-7** Partial VPN Deployment Warning Dialog Box

Element	Description
VPN	Name of the VPN.
Missing Devices	All devices in the VPN that were not selected for deployment.
Is Device in Other Job	Information about the missing devices.

**Table O-7** *Partial VPN Deployment Warning Dialog Box*

Element	Description
Deploy to All Devices in VPN button	Deploys to all devices in the VPN.  <b>Note</b> You can deploy to all devices in VPN only if the devices are not in other deployment jobs. If the devices are in other deployment jobs and you click this button, an error message is displayed.
Deploy to Selected Devices button	Deploys only to the selected devices in the Create a Job page.

**Edit Deploy Method Dialog Box**

The Edit Deploy Method dialog box enables you to specify whether to deploy the generated configurations directly to the devices in the network or to files in an output directory.

**Navigation Path**

From the Create a Job dialog box, click **Edit Deploy Method**.


**Related Topics**

- [Understanding Deployment Methods, page 18-11](#)
- [Creating Deployment Jobs, page 18-51](#)

**Field Reference****Table O-8** *Edit Deploy Method Dialog Box*

Element	Description
Device	Name of the device.

Table O-8 Edit Deploy Method Dialog Box (continued)

Element	Description
Method	<p>Deployment method to use. Valid methods are:</p> <ul style="list-style-type: none"> <li>• Device—(Default) Deploys the configuration directly to the device or to the transport mechanism specified for the device. For more information, see <a href="#">Deploying to a Device, page 18-11</a>.</li> <li>• File—Deploys the configuration file to a file on a selected server. If you select File, specify the directory to which you want to deploy the configuration file in the Destination column. For more information, see <a href="#">Deploying to a File, page 18-13</a>.</li> </ul> <p> <b>Note</b> To set the deployment method for more than one device at a time, select the desired rows and right-click to display the Edit Selected Deployment Method dialog box. For more information, see <a href="#">Edit Selected Deployment Method Dialog Box, page O-19</a>.</p>
Destination	If you selected File in the Method field, enter the directory to which you want to deploy the configuration file or click <b>Browse</b> to select from a list of available directories.
Preview Config button	Displays the proposed changes, last deployed configuration, or current running configuration for specific devices. Select a row, then click Preview Config. For more information, see <a href="#">Preview Config Dialog Box, page O-21</a> .

**Table O-8**      **Edit Deploy Method Dialog Box (continued)**

Element	Description
Out of Bound Change Behavior	<p>Click the radio button corresponding to the action you want Security Manager to take regarding changes made to directly on the device using the CLI:</p> <ul style="list-style-type: none"> <li>• Overwrite changes and show warning—When configurations are deployed, Security Manager uploads the device’s current configuration and compares it against the configuration it has in its database. If changes were made to the device manually, Security Manager continues with the deployment and displays a warning notifying you of this action.</li> <li>• Cancel deployment—When configurations are deployed, Security Manager uploads the device’s current configuration and compares it against the configuration it has in its database. If changes were made to the device manually, Security Manager cancels the deployment and displays a warning notifying you of this action.</li> <li>• Do not check for changes—Security Manager does not check for changes and deploys the changes to the device.</li> </ul> <p>The default is set under Tools &gt; Security Manager Administration. For more information, see <a href="#">Chapter 20, “Using Tools.”</a></p>
OK button	Saves your changes and closes the dialog box.
Cancel button	Closes the dialog box without saving your changes.
Help button	Opens help for this dialog box.

### Edit Selected Deployment Method Dialog Box

Use this dialog box to change the deployment method for multiple devices. If you select File, you can also set the destination directory for those devices.

#### Navigation Path

From the Edit Deploy Method dialog box, select the desired rows and right-click to display the Edit Selected Deployment Method dialog box.

**Related Topics**

- [Edit Deploy Method Dialog Box, page O-17](#)

**Field Reference****Table O-9** *Deploy Method Dialog Box*

Element	Description
Method	<p>Deployment method to use. Valid methods are:</p> <ul style="list-style-type: none"> <li>• Device—Deploys the configuration directly to the device.</li> <li>• File—Deploys the configuration file to a file on a selected server. If you select File, specify the directory to which you want to deploy the configuration file in the Destination column.</li> </ul> <p>The main advantage of deploying configurations to files is that you can create configurations for devices that are not yet in place in your network. If you deploy to files, Security Manager creates a configuration file for each device in the job, in the format DeviceName.cfg. You must specify the directory on the Security Manager server in which to create the configuration files. Configuration files are in TFTP format so that you can upload them to your devices using TFTP.</p> <p>If you deploy to files, you are responsible for transferring the configurations to your devices. Security Manager assumes that you have done this, so the next time you deploy to the same devices, the generated incremental commands are based on the configurations from the previous deployment.</p>
Destination	<p>If you selected File in the Method field, enter the directory to which you want to deploy the configuration file or click <b>Browse</b> to select from a list of available directories.</p>

**Preview Messages Dialog Box**

Before displaying a proposed configuration, Security Manager validates it. If any errors or warnings occur, the Preview messages dialog box appears.

**Navigation Path**

From the Edit Deploy Method dialog box, select the desired device and click **Preview Config**. If any errors or warnings occur, the Preview messages dialog box appears.

**Related Topics**

- [Edit Deploy Method Dialog Box, page O-17](#)

**Field Reference****Table O-10** *Preview Messages Dialog Box*

<b>Element</b>	<b>Description</b>
Messages	Warning, error, and failure messages.
Severity	Icons representing the message severity.
Message Detail	Description of the warning, error, or failure.
Solution	Information about how the warning, error, or failure might be corrected.
OK button	Closes the dialog box and displays the Preview Config Dialog box. For more information, see <a href="#">Preview Config Dialog Box, page O-8</a> .
Help button	Opens help for this dialog box.

**Preview Config Dialog Box**

Use the Preview Config dialog box to display the proposed changes, last deployed configuration, or current running configuration for specific devices.

**Navigation Path**

From the Edit Deploy Method dialog box, select the desired device and click **Preview Config**.

**Related Topics**

- [Edit Deploy Method Dialog Box, page O-17](#)
- [Deployment Job Approval, page 18-9](#)
- [Previewing Configurations, page 18-43](#)

## Field Reference

Table O-11 Preview Config Dialog Box

Element	Description
Proposed commands to be downloaded	Shows the complete proposed configuration that will be on the device after deployment, including the configuration changes you have made using Security Manager and the existing configuration on the device.
Reference Configuration	Shows one of the following, as selected: <ul style="list-style-type: none"> <li>None—Displays the proposed configuration and compares it with the last deployed configuration (if there is one).</li> <li>Last deployed—Displays the last configuration that was imported from the device and compares it with the proposed configuration.</li> <li>Running config—Displays the running configuration on the device and compares it with the proposed configuration.</li> </ul>
<b>Buttons</b>	
First Difference button	Moves the cursor to the first difference noted between the proposed and reference configurations.
Previous Difference button	Moves the cursor to the previous difference noted between the proposed and reference configurations.
Current Difference button	Centers the currently selected difference on the page.
Next Difference button	Moves the cursor to the next difference noted between the proposed and reference configurations.
Last Difference button	Moves the cursor to the last difference noted between the proposed and reference configurations.
Print button	Prints the active dialog box.
Close button	Closes the dialog box.
Help button	Opens help for this dialog box.

## Add Other Devices Dialog Box

The Add Other Devices dialog box enables you to select additional devices that do not have proposed policy changes to be included in your deployment job. You might want to do this if a device was manually modified and you want to return the device to its previous configuration (the configuration stored in the Security Manager database).

### Navigation Path

From the Create a Job dialog box, click **Add other devices**.

### Related Topics

- [Create a Job Dialog Box, page O-12](#)
- [Creating Deployment Jobs, page 18-51](#)
- [Including Devices in Deployment Jobs, page 18-10](#)

### Field Reference

**Table O-12**      **Add Other Devices Dialog Box**

Element	Description
Available Devices	<p>Displays a list of <i>all</i> devices whether or not they contain proposed policy changes. Select the devices to include in the job; then click &gt;&gt; to move the devices to the Selected Devices field.</p> <p>You can display a subset of devices based on the filtering criteria you define. For more information, see <a href="#">Filtering the Device Selector, page 5-28</a>.</p>
Selected Devices	Displays a list of devices you selected for inclusion in the job. These devices do not have any proposed policy changes.
OK button	Saves your changes and closes the dialog box.
Cancel button	Closes the dialog box without saving your changes.
Help button	Opens help for this dialog box.

## Submit Deployment Job Dialog Box

When workflow is turned on with a deployment job approver, jobs must be submitted for approval before policy changes can be deployed to devices.

**Navigation Path**

To access this dialog box, do one of the following:

- From the Create a Job dialog box, click the Submit the job checkbox.
- From the Deployment Manager window, select the job and click **Submit**.

**Related Topics**

- [Submitting Deployment Jobs, page 18-55](#)
- [Create a Job Dialog Box, page O-12](#)
- [Deployment Manager Window \(Workflow Mode\), page O-10](#)
- [Job States in Workflow Mode, page 18-8](#)

**Field Reference**

**Table O-13**      **Submit Deployment Dialog Box**

Element	Description
Approver	Email address of the person to be notified of your submission. Leave the default email address or enter a new email address.  You can change the default email address under Tools > Security Manager Administration > Workflow.
Comment	Enter a brief explanation of the job or other pertinent information.
OK button	Saves your changes and closes the dialog box.
Cancel button	Closes the dialog box without saving your changes.
Help button	Opens help for this dialog box.

**Reject Deployment Job Dialog Box**

When workflow is turned on with a deployment job approver, jobs must be submitted to an approver who has the authority to approve or reject it. When jobs are rejected, policy changes cannot be deployed to devices. After a job is rejected, it can be opened for editing or discarded.

If you want the submitter to make changes to the job, you can specify those changes in the comments field.

**Navigation Path**

From the Deployment Manager window, select the job (must be in Submitted state) and click **Reject**.

**Related Topics**

- [Approving and Rejecting Deployment Jobs](#), page 18-56
- [Deployment Manager Window \(Workflow Mode\)](#), page O-10
- [Job States in Workflow Mode](#), page 18-8

**Field Reference**

**Table O-14**      *Reject Deployment Job Dialog Box*

Element	Description
Comment	Enter a brief explanation of why you are rejecting the activity and suggested revisions.
OK button	Saves your changes and closes the dialog box.
Cancel button	Closes the dialog box without saving your changes.
Help button	Opens help for this dialog box.

**Approve Deployment Job Dialog Box**

In Workflow mode with a deployment job approver, jobs must be submitted for review. Then, an approver either approves or rejects the job. When jobs are approved, policy changes are deployed to devices.

If you want the submitter to make changes to the job, you can cancel this operation and reject the job instead.

**Navigation Path**

From the Deployment Manager window, select the job (must be in Submitted state) and click **Approve**.

**Related Topics**

- [Approving and Rejecting Deployment Jobs](#), page 18-56
- [Deployment Manager Window \(Workflow Mode\)](#), page O-10

- [Job States in Workflow Mode, page 18-8](#)

### Field Reference

**Table O-15** *Approve Deployment Job Dialog Box*

Element	Description
Comment	Enter a brief explanation of why you are approving the job.
OK button	Saves your changes and closes the dialog box.
Cancel button	Closes the dialog box without saving your changes.
Help button	Opens help for this dialog box.

## Discard Deployment Job Dialog Box

When you discard a job, it is no longer active. It cannot be edited, submitted, approved, or deployed. For tracking purposes, you can enter a comment explaining why you are discarding the job.

### Navigation Path

From the Deployment Manager window, select the job and click **Discard**.

### Related Topics

- [Discarding Deployment Jobs, page 18-57](#)
- [Deployment Manager Window \(Non-Workflow Mode\), page O-2](#)
- [Deployment Manager Window \(Workflow Mode\), page O-10](#)
- [Job States in Non-Workflow Mode, page 18-4](#)
- [Job States in Workflow Mode, page 18-8](#)

## Field Reference

**Table O-16** *Discard Deployment Job Dialog Box*

Element	Description
Comment	Enter a brief explanation of why you are discarding the job.
OK button	Saves your changes and closes the dialog box.
Cancel button	Closes the dialog box without saving your changes.
Help button	Opens help for this dialog box.

## Deploy Job Dialog Box

Deploying a job begins the process of connecting to devices specified in the job and downloading updated configuration files.



### Caution

You must configure at least one policy on a device before deploying to that device. If you deploy to a device without assigning at least one policy, the device's current configuration is overwritten with a blank configuration.

### Navigation Path



From the Deployment Manager window, select the job (if using Workflow mode, must be in Approved state) and click **Deploy**.

### Related Topics

- [Deployment Manager Window \(Non-Workflow Mode\)](#), page O-2
- [Deployment Manager Window \(Workflow Mode\)](#), page O-10
- [Deploying Configurations in Workflow Mode](#), page 18-41
- [Job States in Workflow Mode](#), page 18-8

## Field Reference

Table O-17 Deploy Job Dialog Box

Element	Description
Deployment Options	Select when you want to deploy the job. Valid options are Schedule and Deploy Now.
Enter Deployment	<p>Appears only if you selected Schedule in the Deployment Options field.</p> <ul style="list-style-type: none"> <li>• Date—Enter the month, date, and year that you want the job to be deployed. You can also click the calendar next to the field to select a date.</li> <li>• Time—Enter the time that you want the job to be deployed. Use the 24-hour clock format.</li> </ul> <p> <b>Note</b> The time you enter should reflect the time zone of the server not necessarily the time zone of the client.</p> <p> <b>Note</b> The minimum amount of time for which you can schedule a job is 5 minutes from the current time.</p>
Deployment Comments	Enter comments regarding the job. For example, you might describe the reason that you are deploying the job.
OK button	Saves your changes and closes the dialog box.
Cancel button	Closes the dialog box without saving your changes.
Help button	Opens help for this dialog box.

## Abort Deployment Job Dialog Box

You can manually halt a job that is in the Deploying state. Only pending deployments to devices are halted. Successful deployments and those that are in progress are not affected by the abort operation. After aborting a job, no other actions can be taken on the job.

### Navigation Path

From the Deployment Manager window, select the job (must be in Deploying state) and click **Abort**.

**Related Topics**

- [Aborting Deployment Jobs, page 18-47](#)
- [Deployment Manager Window \(Non-Workflow Mode\), page O-2](#)
- [Deployment Manager Window \(Workflow Mode\), page O-10](#)
- [Job States in Non-Workflow Mode, page 18-4](#)
- [Job States in Workflow Mode, page 18-8](#)

**Field Reference****Table O-18** *Abort Deployment Job Dialog Box*

Element	Description
OK button	Confirms the abort operation.
Cancel button	Stops the abort operation and closes the dialog box.
Help button	Opens help for this dialog box.

**Deployment Rollback Dialog Box**

If you deploy configurations to devices, and then determine that there is something wrong with the new configurations, you can revert to and deploy the previous configurations for those devices.

**Note**

There is limited support for the rollback function on Catalyst 6500/7600. VLAN configuration changes made through the CVDM home page are not captured in the running configuration of the Catalyst 6500/7600. Therefore, they are not included in the configurations saved to Security Manager database after each deployment. If you want to use the rollback function in this case, you need to reconfigure the VLANs on the CVDM home page after rolling back the configuration.

**Note**

The rollback operation causes the devices in the job to reload. If you *do not* want to reload devices, instead you can redeploy the job or create and deploy a new job with the desired configuration changes. Use the rollback operation only in extreme circumstances.

**Navigation Path**

From the Deployment Manager window, select the job (must be in Deployed or Failed state) and click **Rollback**. Then click **OK** when prompted to confirm the operation.

**Related Topics**

- [Rolling Back Configurations to Devices](#), page 18-48
- [Deployment Manager Window \(Non-Workflow Mode\)](#), page O-2
- [Deployment Manager Window \(Workflow Mode\)](#), page O-10
- [Job States in Non-Workflow Mode](#), page 18-4
- [Job States in Workflow Mode](#), page 18-8

**Field Reference**

**Table O-19**      **Deployment Rollback Dialog Box**

Element	Description
Selection	When selected, reverts to the previous configuration. Select the check box next to a device for which to revert the configuration. By default, all the devices with the status “Succeeded” are selected.
Name	Name of the device.
Method	Deployment method, File or Device. <b>Note</b> You cannot roll back the configuration if the deployment method is File. You can only roll back the configuration if the deployment method is Device.
Previous Status	Status of the previous deployment. <b>Note</b> If there are no previous configurations on the device in the configuration archive, you cannot use the rollback feature.

**Table O-19** Deployment Rollback Dialog Box (continued)

Element	Description
Last Updated By	Name of previous job that updated the device.
Preview Config button	Displays the previous configuration on the device. Select a row, then click Preview Config.
OK button	Confirms the rollback operation.
Cancel button	Stops the rollback operation and closes the dialog box.
Help button	Opens help for this dialog box.

## Rollback Confirmation Dialog Box

Rollback deploys the previously deployed configuration to the device.



### Note

The rollback operation causes the devices in the job to reload. If you *do not* want to reload devices, you can redeploy the job or create and deploy a new job with the desired configuration changes instead. It is recommended that the rollback operation only be used in extreme circumstances.

### Navigation Path

From the Deployment Manager window, select the job (must be in Deployed or Failed state) and click **Rollback**.

### Related Topics

- [Aborting Deployment Jobs, page 18-47](#)
- [Job States in Non-Workflow Mode, page 18-4](#)
- [Job States in Workflow Mode, page 18-8](#)

## Field Reference

Table O-20 Rollback Confirmation Dialog Box

Element	Description
OK button	Confirms the rollback operation.
Cancel button	Stops the rollback operation and closes the dialog box.
Help button	Opens help for this dialog box.

## Redeploy a Job Dialog Box

If a job is in a Failed or Aborted state, you can deploy the job again. If desired, you can also add devices to which deployment was successful.



### Caution

You must configure at least one policy on a device before deploying to that device. If you deploy to a device without assigning at least one policy, the device's current configuration is overwritten with a blank configuration.

### Navigation Path

Do one of the following:

- (Non-Workflow mode) From the Deployment Manager window, select the job (must be in Aborted or Failed state) and click **Redeploy**.
- (Workflow mode) From the Deployment Manager window, select the job (must be in the Aborted or Failed state and click **Deploy**.

### Related Topics

- [Redeploying Configurations to Devices, page 18-45](#)
- [Job States in Non-Workflow Mode, page 18-4](#)
- [Job States in Workflow Mode, page 18-8](#)

## Field Reference

Table O-21 Redeploy a Job Dialog Box

Element	Description
Selection	When selected, includes a device in the deployment. By default, all the devices with the status “Failed” are selected.
Name	Name of the device.
Method	Deployment method, File or Device. If you select File, specify the directory to which you want to deploy the configuration file in the Destination column.
Destination	If you selected File in the Method field, enter the directory to which you want to deploy the configuration file or click <b>Browse</b> to select from a list of available directories.
Previous status	Status of the previous deployment.
Last Updated By	Name of previous job.
Preview Config button	Displays the previous configuration on the device. Select a row, then click Preview Config.
Out of Bound Change Behavior	<p>Click the radio button corresponding to the action you want Security Manager to take regarding changes made to directly on the device using the CLI:</p> <ul style="list-style-type: none"> <li>• Overwrite changes and show warning—When configurations are deployed, Security Manager uploads the device’s current configuration and compares it against the configuration it has in its database. If changes were made to the device manually, Security Manager continues with the deployment and displays a warning notifying you of this action.</li> <li>• Cancel deployment—When configurations are deployed, Security Manager uploads the device’s current configuration and compares it against the configuration it has in its database. If changes were made to the device manually, Security Manager cancels the deployment and displays a warning notifying you of this action.</li> <li>• Do not check for changes—Security Manager does not check for changes and deploys the changes to the device.</li> </ul> <p>The default is set under Tools &gt; Security Manager Administration. For more information, see <a href="#">Chapter 20, “Using Tools.”</a></p>
OK button	Confirms the deployment operation.
Cancel button	Stops the deployment operation and closes the dialog box.

**Table O-21** *Redeploy a Job Dialog Box (continued)*

Element	Description
Help button	Opens help for this dialog box.

## Summary Tab (Deployment Manager Window)

You can display summary information about deployment jobs, such as the status of the job, number of devices deployed successfully, and number of devices deployed with errors.

### Navigation Path

Click the Deployment Manager button on the Main toolbar, then click the Summary tab.

### Related Topics

- [Deployment Manager Window \(Workflow Mode\), page O-10](#)

### Field Reference

**Table O-22** *Summary Tab (Deployment Manager Window)*

Element	Description
Deployment Job Name	Name of the job.
Deployment Status	Status of the job. See the Deployment Status column in <a href="#">Table O-5</a> for detailed descriptions of the statuses.
Progress Status	Progress bar visually indicates the progress of the deployment. Next to the progress bar, displays the percentage complete and the ratio of remaining to total number of devices to be deployed.
Number Of Devices To Be Deployed	Total number of devices included in the job.
Number Of Devices Deployed Successfully	Number of devices that were successfully updated.

**Table O-22** Summary Tab (Deployment Manager Window) (continued)

Element	Description
Number Of Devices Deployed with Errors	Number of devices that failed to be updated.

## Details Tab (Deployment Manager Window)

You can display details about the deployment to specific devices, including information about errors, the proposed configuration, and the transcript of the download.

### Navigation Path

Click the Deployment Manager button on the Main toolbar, then click the Details tab.

### Related Topics

- [Deployment Manager Window \(Workflow Mode\), page O-10](#)

### Field Reference

**Table O-23** Details Tab (Deployment Manager Window)

Element	Description
<b>Details Table</b>	
Device	Names of the devices in the deployment job.
Status	Status indicating whether the deployment passed, failed, or passed with warnings.
Summary	Number of warnings, errors, and failures.
Method	Method of deployment to the device. Valid methods are File and Device. If the method is File, the path and file name are also shown.
Config	Double click the icon to display the configuration file for the selected device. See <a href="#">Preview Config Dialog Box, page O-8</a> for details about the dialog box that appears.

**Table O-23**      **Details Tab (Deployment Manager Window) (continued)**

Element	Description
Transcript	Double click the icon to display a transcript of the download attempt to the device.
<b>Results</b>	
Messages	Warning, error, and failure messages.
Severity	Icons representing the message severity.
Message Detail	Description of the warning, error, or failure.
Solution	Information about how the warning, error, or failure might be corrected.
Close button	Closes the dialog box.
Help button	Opens help for this dialog box.

## History Tab (Deployment Manager Window)

You can display information about changes made to a job, including the state change, date and time the change took place, and the user who performed the change.

### Navigation Path

Click the Deployment Manager button on the Main toolbar and click the History tab.

### Related Topics

- [Deployment Manager Window \(Workflow Mode\), page O-10](#)

### Field Reference

**Table O-24**      **Deployment Job History Tab**

Element	Description
State Changed To	State of the deployment job. For a list of valid states, see <a href="#">Job States in Workflow Mode, page 18-8</a> .
By User	Username of the person who performed the action on the deployment job.

**Table O-24**      **Deployment Job History Tab**

<b>Element</b>	<b>Description</b>
Time	Date and time that the action was performed on the deployment job. <b>Note</b> The timestamps shown on the History tab use the time zone of the server, not the time zone of the client.
Comment	Comment that was entered when the action was performed on the deployment job.

