



Administering Application Policies

This chapter contains the following sections:

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- [Understanding the Define Application Policies Tab, page 5-4](#)
- [Understanding the Application Bandwidth Tab, page 5-7](#)

Understanding the Categorize Applications Tab

The Cisco IWAN Application comes with pre-defined applications grouped into categories. Use the **Categorize Applications** tab to view, edit, move, and add custom applications as shown in the following table:

Table 5-1 Categorize Applications Tab

| No. | Task | Reference |
|-----|---|---|
| 1 | View all of the installed applications in an alphabetized list or view the applications by category. View a summary of all applications. Search for a specific application. | Viewing Applications, page 5-2 |
| 2 | Move applications into different categories. | Moving Applications to a Different Category, page 5-2 |
| 3 | Edit application information. | Editing Application Information, page 5-3 |
| 4 | Add new custom application to an existing category. | Adding a New Application, page 5-3 |



Note

For a quick tutorial about what you can do in the Categorize Applications page, click **Teach Me** in the instructional text.

Viewing Applications

Use this procedure to view applications by list, by category, or view a summary of all installed applications.

Procedure

- Step 1** From the Cisco IWAN on APIC-EM home page, click **Administer Application Policy**. The Application Policy page opens.
 - Step 2** Click the **Categorize Applications** tab. All of the installed applications are displayed in an alphabetized list.
 - Step 3** To view the applications by category, click the **By Applications** drop-down list (located under the Add Application tab), and then choose **By Category**.
Not all categories are shown by default, to view all categories click **Show** available in the instructional text.
 - Step 4** To view all of the applications in a particular category, click the down arrow by a category.
 - Step 5** To view a summary of the total number of applications, popular applications, and custom applications, look at the Applications Summary area.
 - Step 6** To search for a specific application, enter one of the following parameters in the **Search** field: application short name, long description, ports, and traffic class.
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Moving Applications to a Different Category

To share bandwidth, you can choose to move the application into a different category.

Procedure

- Step 1** From the Cisco IWAN on APIC-EM home page, click **Administer Application Policy**. The Application Policy page opens.
 - Step 2** Click the **Categorize Applications** tab. All of the installed applications are displayed in an alphabetized list.
 - Step 3** To view all of the applications in a particular category, click the down arrow by a category.
 - Step 4** To move an application into a different category, drag-and-drop it into the appropriate category, and then click **Apply Changes**.
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Editing Application Information

Use this procedure to edit application information.

Procedure

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- Step 1** From the Cisco IWAN on APIC-EM home page, click **Administer Application Policy**. The Application Policy page opens.
 - Step 2** Click the **Categorize Applications** tab. All of the installed applications are displayed in an alphabetized list.
 - Step 3** To view all of the applications in a particular category, click the down arrow by a category.
 - Step 4** To edit application information, click on the pencil icon next to the application. Information about the application appears.
 - Step 5** Click **Edit**. The Edit Application dialog box opens.
 - Step 6** Make your changes, and then click **Save**.
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Adding a New Application

Use this procedure to add a new custom application.

Procedure

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- Step 1** From the Cisco IWAN on APIC-EM home page, click **Administer Application Policy**. The Application Policy page opens.
 - Step 2** Click the **Categorize Applications** tab. All of the installed applications are displayed in an alphabetized list.
 - Step 3** To add a new custom application, click the **Add Application** tab. The Add Application dialog box opens.
 - Step 4** Enter the following properties, and then click **Add**:

| Field | Description |
|-------------------|--|
| Name | Name of the application. |
| Type radio button | Choose one of the following: <ul style="list-style-type: none"> • URL—Click the radio button, and then enter the application url in the URL field. • Server IP/Port—Click the radio button, and then enter the IP, port, and protocol for the application to use. • DSCP—Differentiated services code point (DSCP). Click the radio button, and then choose a value from the drop-down list. |
| Similar to | Click the field to display a list of available similar applications, and then choose an application. |
| Category | Choose a category from the drop-down list for the new application to reside. |
| Jitter | (Optional) Specify a different value or keep the default value. |
| Packet loss | (Optional) Specify a different value or keep the default value. |
| Delay | (Optional) Specify a different value or keep the default value. |

Understanding the Define Application Policies Tab

Use the **Define Application Policy** tab to define policies according to their relevance to the business. The application policies are categorized into the following three business groups:

- **Business Relevant**—Applications such as email, voice-and-video, file-sharing, backup-and-storage that are critical to the business.
- **Default**—Applications such as epayment.
- **Business Irrelevant**—Applications that are not relevant to the business such as social media and gaming applications.

Use the **Define Application Policy** tab to do the following:

Table 5-2 Define Applications Tab

| No. | Task | Reference |
|-----|---|--|
| 1 | Move an application category to a different business group. | Understanding the Application Bandwidth Tab, page 5-7. |
| 2 | Modify application performance. | Modifying the Application Performance, page 5-5 |

Moving an Application Category to a Different Business Group

Use this procedure to move an application category to a different business group.

Procedure

- Step 1** From the Cisco IWAN on APIC-EM home page, click **Administer Application Policy**. The Application Policy page opens.
 - Step 2** Click the **Define Application Policy** tab. All of the applications are displayed in three categories: Business Relevant, Default, and Business Irrelevant.
 - Step 3** To move an application from one business group to another, use the drag-and-drop feature. For example, you can drag the epayment application from the Default group and drop it into the Business Irrelevant group.
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Modifying the Application Performance

Use this procedure to modify the application performance parameters.

Procedure

- Step 1** From the Cisco IWAN on APIC-EM home page, click **Administer Application Policy**. The Application Policy page opens.
- Step 2** Click the **Define Application Policy** tab. All of the applications are displayed in three categories: Business Relevant, Default, and Business Irrelevant.
- Step 3** To modify the application performance, click the down arrow next to an application. The Application Performance dialog box opens as shown in the following figure.

The screenshot shows the 'Business Relevant' configuration interface. On the left, a list of application categories is visible, including 'email', 'file-sharing', 'browsing', 'backup-and-recovery', 'business-critical', 'database', 'voice-and-video', and 'software-updates'. The 'email' category is currently selected, showing a cloud icon and 'int1' as the path preference. A configuration panel is open over the 'business-critical' category, displaying the following settings:

- Application Performance:** A toggle switch is currently turned on.
- Path Preference:** Radio buttons are present for 'No path preference' and 'Path Preference'. 'Path Preference' is selected.
- Primary:** A dropdown menu showing 'int1'.
- Secondary:** A dropdown menu showing 'int2'.
- Tertiary:** A dropdown menu that is currently empty.
- Save:** A button to save the configuration.

Below the configuration panel, there are three checkboxes for 'int3', 'int4', and a radio button for 'Drop'.

Step 4 Do the following:

- Click the **Application Performance** button to enable or disable it.
- Choose the appropriate path preference radio button.
- Choose primary and secondary path from the drop-down list. The secondary path can be Drop.

Step 5 Select a path preference, with Path 1 being the preferred path for traffic in this category. For example, Int (Internet).

Step 6 After updating the path preference, click **Save**.

Note The **Save** option does not check for validations in conflict with future scheduled workflows. Please reevaluate scheduled jobs based on these changes and update scheduled jobs as required. If there is a conflict when the scheduled job is activated, it may fail at that time.

Understanding the Application Bandwidth Tab

Use the Application Bandwidth tab to view the bandwidth used across various applications. Based on this information you can choose to move applications into different categories. See [Moving Applications to a Different Category, page 5-2](#).

Viewing the Application Bandwidth

Use this procedure to view the bandwidth used across different applications in a graphical format.

Before You Begin

Make sure you have done the following:

- Added the Cisco APIC-EM controller IP address on the Prime application.
- Added the Prime credentials in Cisco APIC-EM.

Procedure

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- Step 1** From the Cisco IWAN on APIC-EM home page, click **Administer Application Policy**. The Application Policy page opens.
- Step 2** Click the **Application Bandwidth** tab. The amount of bandwidth used per application category for each hub is displayed in a graphical format. You can also view the date and time the bandwidth is used the most.
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