C H A P T E R **3**

Using Device Groups and Device Locations

This chapter describes the types of device groups supported by the WAAS software and how to create groups that make it easier to manage and configure multiple devices at the same time. This chapter also discusses how to use device locations.

Note Throughout this chapter, the term WAAS device is used to refer collectively to the WAAS Central Managers and WAEs in your network. The term WAE refers to WAE appliances, WAE Network Modules (the NME-WAE family of devices), and SM-SRE modules running WAAS.

This chapter contains the following sections:

About Device and Baseline Groups

When you create a device group, you need to identify the unique characteristics that distinguish that group of devices from others in your network. For example, in larger WAAS deployments, one set of devices may need to be configured with authentication settings that are different from another set of devices in your WAAS network. In this situation, you would create two device groups that each contain different authentication settings, and then assign your devices to the most appropriate group.

If you have devices that reside in different time zones, you can also create device groups based on geographic regions so that the devices in one group can have a different time zone setting from the devices in another group.

In smaller WAAS deployments where all devices can be configured with the same settings, you may only need to create one general device group. This setup allows you to configure settings for the group, and then apply those settings consistently across all your WAAS devices.

Groups not only save you time when configuring multiple devices, but they also ensure that configuration settings are applied consistently across your WAAS network.

When you register a WAAS device with the WAAS Central Manager, that device automatically joins the AllWAASGroup, which is the default device group on the system for WAAS devices. If you create additional device groups, you need to decide if you want your devices to belong to more than one group (the default AllWAASGroup and the new device group you create). If you only want a device to belong

to a device group that you create, make sure that you remove the device from the default AllWAASGroup. WAAS Express devices automatically join the default AllWAASExpressGroup device group when they are registered with the Central Manager.

WAAS devices and WAAS Express devices cannot be mixed in the same device group. You choose the device group type when you create the group and it cannot be changed. When you create a WAAS Express type of device group, you can copy policies from an existing WAAS or WAAS Express group, but policies cannot be copied after creation.

You can organize your WAAS devices into the following types of device groups:

- Standard Device Group—A collection of devices that share common qualities and capabilities. Setting up groups based on their authentication settings as previously described is an example of a device group. There are two types of device groups: WAAS Device Groups and WAAS Express Device Groups. These groups are explained in more detail in the "Creating a New Device Group" section on page 3-3.

- Baseline Group—A special type of device group used to configure a WAAS service consistently across multiple devices. There are three types of baseline groups: File, Acceleration, and Platform.

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Note   WAAS Express devices cannot use baseline groups.

By default, all WAE devices registered with the WAAS Central Manager are assigned to all three baseline groups.

Baseline groups allow you to apply consistent service settings across devices that reside in different device groups.

For example, if you have WAAS devices that reside in different device groups and you want all the devices to share the same application policies, you should make all your policy changes to the Acceleration baseline group. Whenever you create a new policy or modify an existing policy, those changes are distributed to each device that belongs to the Acceleration baseline group. If you make the policy changes to a specific device group, the devices that belong to your other groups are not updated with the policy changes.

Working with Device Groups

This section contains the following topics:

Creating a Device Group

This section contains the following topics:

- Creating a New Device Group, page 3-3
- Configuring the Settings for a Device Group, page 3-5
- Assigning Devices to a Configuration Device Group, page 3-6

Table 3-1 describes the process for creating a new device group.

Table 3-1   Checklist for Creating a Device Group

Task	Additional Information and Instructions
1. Create a new device group.	Defines general information about the new group, such as the group name, group type, and whether all newly activated devices are assigned to this group. For more information, see the "Creating a New Device Group" section on page 3-3.
2. Configure the settings of the new device group.	Specifies the settings that are unique to this device group. All devices that are a member of this group will automatically inherit these settings. For more information, see the "Configuring the Settings for a Device Group" section on page 3-5.
3. Assign devices to the device group.	Assigns devices to the group so they can inherit the group settings. For more information, see the "Assigning Devices to a Configuration Device Group" section on page 3-6.

Creating a New Device Group

Before you create a device group, make sure you understand the unique properties that you want the group to contain. For example, you may want to set up two device groups that have different authentication settings or different time zone settings.

To create a device group, follow these steps:

Step 1   From the WAAS Central Manager GUI navigation pane, choose **My WAN > Manage Device Groups**. The Device Groups window appears.

From this window you can perform the following tasks:

- Click the **Edit** icon next to the device group that you want to modify.
- Create a new device group as described in the steps that follow.

Step 2   Click the **Create New Device Group** icon in the taskbar. The Creating New Device Group window appears, as shown in Figure 3-1.

Figure 3-1   *Creating New Device Group Window*
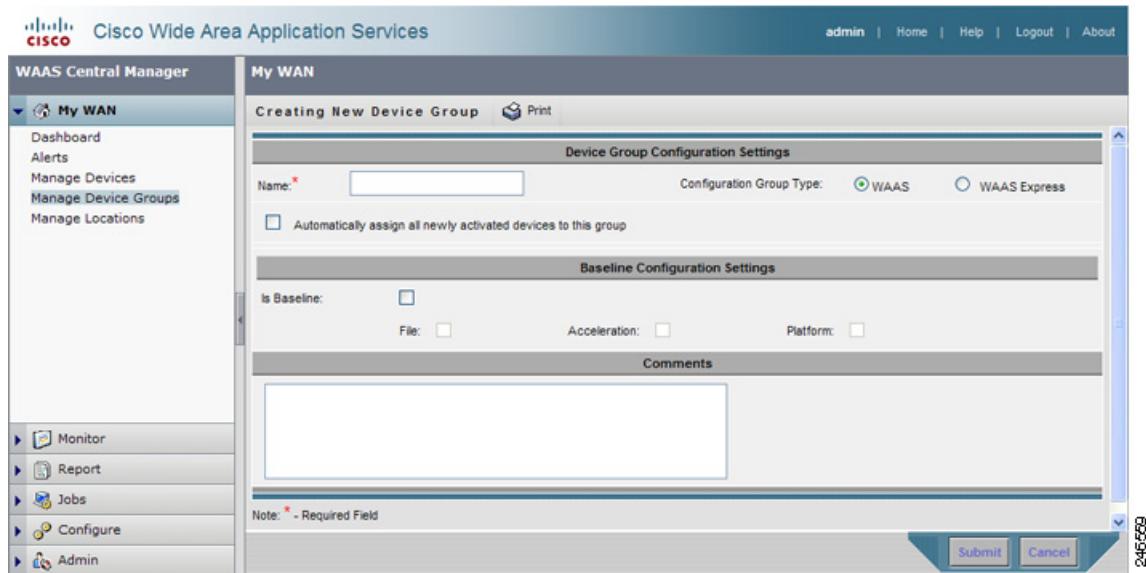
Step 3   In the Name field, enter the name of the device group.

The name must be unique and should be a name that is useful in distinguishing the device group from others on your system. The name cannot contain characters other than letters, numbers, period, hyphen, underscore, and space.

Step 4   Choose either WAAS or WAAS Express for the Configuration Group Type. This sets the type of devices that the group can contain. A WAAS Express group can contain only WAAS Express devices. A WAAS group can contain all types of devices except for WAAS Express devices.

Step 5   Check the **Automatically assign all newly activated devices to this group** check box to set this device group as the default device group for all newly activated devices.

Step 6   If you chose the WAAS group type, do not check any of the Baseline check boxes. If you want to create a baseline group, see the "Customizing the Baseline Group Settings" section on page 3-12.

> **Note**   The system is configured with file, acceleration, and platform baseline groups by default. Only one of each of these types of baseline groups can be configured, so you won't be able to check any of the Baseline check boxes unless you have deleted one of these groups. Checking the Is Baseline check box will have no effect unless you are recreating one of these groups.

Step 7   If you chose the WAAS Express group type, you can copy policies from another existing group by choosing the group in the Copy Policies from the device group drop-down list (only shown when creating a WAAS Express group). If you copy policies from a WAAS group, only basic optimization policies are copied, not application acceleration policies.

Step 8   (Optional) Enter comments about the group in the Comments field. The comments that you enter will appear in the Device Group window.

Step 9   Click **Submit**.

The page refreshes with additional options.

> **Note** The Pages configured for this device group arrow lists the configuration windows in the WAAS Central Manager GUI that have been configured for this device group. Because this is a new device group, no pages will appear in this list.

Step 10 (Optional) Customize the navigation pane for this device group by completing the following steps. Use this feature to remove from view any configuration windows that you do not need for that particular device group:

a. Click the **Select pages to hide from table of contents for this device group** arrow.

A list of windows in the WAAS Central Manager GUI appears.

b. Check the windows that you want to hide for this device group. You can click the folder icon next to a window to display its child windows.

c. Click **Submit**.

Step 11 Configure the settings for this device group as described in the "Configuring the Settings for a Device Group" section.

Configuring the Settings for a Device Group

After creating a device group, you need to configure the settings that you want to be unique to this group.

If you have a general device group that contains all your WAAS devices of a specific type, configure only the settings that you want to be consistent across all the devices of that type. Settings that apply to a single device should be configured on that device only and not on the device group.

> **Note** We recommend that you do not configure file and acceleration settings for a device group. Instead, use the File and Acceleration baseline groups for this purpose. For more information, see the "Working with Baseline Groups" section on page 3-11.

To configure settings for a device group, follow these steps:

Step 1 From the WAAS Central Manager GUI navigation pane, choose **My WAN > Manage Device Groups**.

The Device Groups window appears.

Step 2 Click the **Edit** icon next to the device group that you want to configure.

The Modifying Device Group window appears.

Step 3 Click the **Pages configured for this device group** arrow button to view which configuration windows have already been configured for the baseline group.

A list of pages that are configured for that device group appears. If this is a new device group or if there are no pages configured for this device group, the list displays Null.

Step 4 Customize the navigation pane for this device group by completing the following steps:

a. Click the **Select pages to hide from table of contents of this device group** arrow.

A list of windows in the WAAS Central Manager GUI appears.

b. Place a check next to the windows that you want to hide for this device group. Use this feature to remove from view any configuration windows that you do not need for this particular device group.

Step 5 Use the navigation pane to navigate to each configuration window that you want to modify for this device group.

If a window has not been configured for this device group, the message "There are currently no settings for this group" appears at the top of the window.

Step 6 Make the necessary changes on the configuration window, and click **Submit** when finished.

After a particular setting is configured, the configuration window is listed under Pages configured for this device group in the Modifying Device Group window.

Step 7 Assign devices to this new group as described in the

Assigning Devices to a Configuration Device Group

After you create a configuration device group, you need to assign devices to the group. The WAAS Central Manager GUI provides two methods to assign devices to a configuration group. You can either select the device first, then assign a group to the device, or you can select the device group first, then assign devices to the group.

The procedures in this section describe how to assign devices to a group. To assign a group to a device, choose **My WAN > Manage Devices**, click the **Edit** icon next to the device that you want to assign to a group, and choose **Assign Groups** from the navigation pane. You can then assign a group to the device using the same method described in steps 4 and 5 below.

You cannot assign the WAAS Central Manager to a device group. You must configure the WAAS Central Manager separately from other devices.

You cannot assign WAAS Express devices to a WAAS group and you cannot assign WAAS devices to a WAAS Express group. Invalid devices are not shown in the device list when assigning devices to groups.

Note By default, all devices automatically join either the AllWAASGroup or AllWAASExpressGroup when they are activated. If you do not want a device to belong to two different device groups, you should unassign the device from the All...Group before you assign the device to a custom device group.

Use care when you are assigning devices that have different WAAS software versions to a device group. Some features configured for a device group may not be supported by all devices in the group or, in some cases, devices may be prevented from joining the group if the group is configured with policies that they cannot support. In such cases, we recommend that you upgrade all devices to the same software version or create different device groups for devices with incompatible versions.

To assign a device to a device group, follow these steps:

Step 1 From the WAAS Central Manager GUI navigation pane, choose **My WAN > Manage Device Groups**.

Step 2 Click the **Edit** icon next to the device group to which you want to assign devices.

The Modifying Device Group window appears.

Step 3 In the navigation pane, choose **Assign Devices**.

The WAE/WAAS Express Assignments window appears, displaying the devices assigned to various locations. If you are editing a WAAS group, only WAAS devices are shown. If you are editing a WAAS Express group, only WAAS Express devices are shown.

The assignments window lets you filter your view of the items in the list. Filtering allows you to find items in the list that match the criteria that you set.

Step 4 Assign a device to the device group by doing either of the following:

- Click ![icon] in the taskbar to assign all available devices to the group.

- Click ![icon] next to each device that you want to assign to the group. The icon changes to ![icon] when selected.

Step 5 Click **Submit**.

A green check mark appears next to the assigned devices.

Step 6 Click the **Unassign** icon (green check mark) next to the name of the device that you want to remove from the device group. Alternatively, you can click the **Remove all** icon in the taskbar to remove all devices from the selected device group. Click **Submit**.

Deleting a Device Group

To delete a device group, follow these steps:

Step 1 From the WAAS Central Manager GUI navigation pane, choose **My WAN > Manage Device Groups**. The Device Groups window appears.

Step 2 Click the **Edit** icon next to the name of the device group that you want to delete. The Modifying Device Group window appears.

Step 3 In the taskbar, click the **Delete Device Group** icon. You are prompted to confirm your decision to delete the device group.

Step 4 To confirm your decision, click **OK**.

Viewing Device Group Assignments

The WAAS Central Manager GUI allows you to view the groups that a device belongs to, as well as the devices that belong to a specific group. This section describes both of these procedures.

To view the groups that a device belongs to, follow these steps:

Step 1 From the WAAS Central Manager GUI navigation pane, choose **My WAN > Manage Devices**.

Step 2 Click the **Edit** icon next to the device for which you want to view its group assignments.

The Device Dashboard window appears.

Step 3 In the Assignments section on the Device Dashboard window, click the link that displays the groups to which the device is assigned.

The Device Group Assignments page appears, which shows all the device groups in your WAAS network that match the device type (WAAS or WAAS Express). The device is assigned to the device groups with a green check mark next to them.

You can also go to the Device Group Assignments window directly by browsing to the Assign Groups option in the navigation pane.

To view the devices that are assigned to a specific group, follow these steps:

Step 1   From the WAAS Central Manager GUI navigation pane, choose **My WAN > Manage Device Groups**.

Step 2   Click the **Edit** icon next to the group for which you want to view its device members.

The Modifying Device Group window appears.

Step 3   From the navigation pane, choose **Assign Devices**.

The WAE/WAAS Express Assignments window appears, which shows all the WAAS or WAAS Express devices on your WAAS network. The devices with a green check mark next to them are assigned to this group.

Viewing the Device Groups List

The Device Groups window lists all the device groups that have been created in your WAAS network. To view this list, choose **My WAN > Manage Device Groups** in the WAAS Central Manager GUI.

This window displays the following information about each device group:

- Type of device group (WAAS Configuration Group or WAAS Express Configuration Group).
- Any comments that were entered when the device group was created.

From this window, you can perform the following tasks:

- Create a new device group. For more information, see the "Creating a New Device Group" section on page 3-3.
- Modify the settings of a device group by clicking the **Edit** icon next to the group that you want to edit.

Enabling or Disabling Device Group Overlap

By default, you can assign a device to multiple device groups (including baseline groups). You can disable this functionality so a device can only belong to one device group, which eliminates the possibility of a device inheriting settings from more than one group.

To enable or disable device group overlap, follow these steps:

Step 1   From the WAAS Central Manager GUI navigation pane, choose **Configure > System Properties**.

The Config Properties window appears.

Step 2   Click the **Edit** icon next to the property name DeviceGroup.overlap.

The Modifying Config Property, DeviceGroup.overlap window appears.

Step 3   From the Value drop-down list, choose either **true** or **false**. (The default is true.)

When you disable device group overlap (set to false), existing overlapping device groups are retained and continue to be handled as though overlap were enabled; however, any newly added groups do not allow overlapping, and new devices cannot be added to the existing overlapping groups.

Step 4   Click **Submit**.

Overriding Group Configuration Settings

The WAAS Central Manager GUI provides the following methods to override the current group configuration on a device:

- Forcing Device Group Settings on All Devices in the Group, page 3-9
- Selecting Device Group Precedence, page 3-9
- Overriding the Device Group Settings on a Device, page 3-10

Forcing Device Group Settings on All Devices in the Group

To force a device group configuration across all devices in the group, follow these steps:

Step 1   From the WAAS Central Manager GUI navigation pane, choose **My WAN > Manage Device Groups**.

The Device Groups listing window appears.

Step 2   Click the **Edit** icon next to the device group with the settings that you want to force on all devices in that group.

The Modifying Device Group window appears.

Step 3   Click the **Force Group Settings** icon in the taskbar.

The WAAS Central Manager GUI displays the following message:

```
The action will apply all settings configured for this device group to all the WAEs/WAAS
Express assigned to it. Do you wish to continue?
```

Step 4   To force group settings across all devices in the device group, click **OK**.

Step 5   Click **Submit**.

Selecting Device Group Precedence

When a device belongs to multiple device groups that have conflicting settings, the device automatically inherits the settings from the device group that was most recently changed. For a more detailed description of how a device inherits settings when it belongs to multiple device groups, see the "Understanding the Impact of Assigning a Device to Multiple Device Groups" section on page 3-11.

When a configuration conflict occurs, you can edit a device's configuration on a page-by-page basis and select which device group's settings should take precedence.

To select the device group precedence, follow these steps:

Step 1   From the WAAS Central Manager GUI navigation pane, choose **My WAN > Manage Devices**.

Step 2 Click the **Edit** icon next to the device that you want to set the device group precedence.

The Device Dashboard window appears.

Step 3 From the navigation pane, browse to the configuration window that contains the conflicting settings.

A drop-down list appears in the taskbar at the top of the window, as shown in Figure 3-2. This drop-down list allows you to select the device group that you want this configuration window to inherit settings from. The device group that is currently selected is the device group that has precedence.

Figure 3-2   Specifying the Device Group Precedence for a Configuration Window
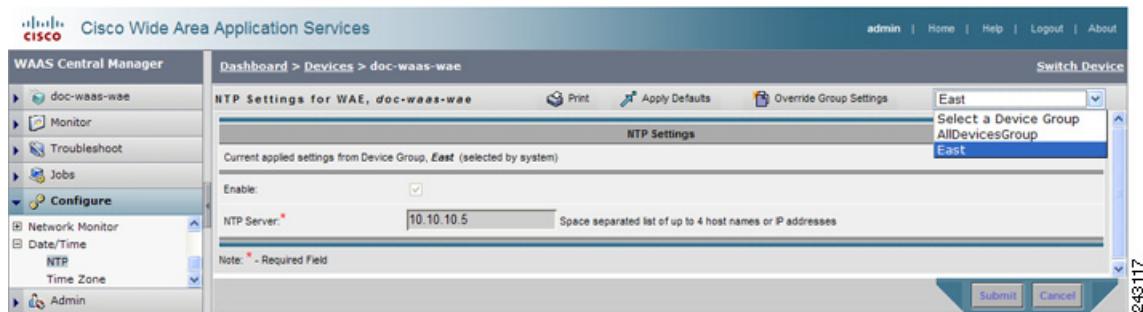
Step 4 From the drop-down list, choose the device group that you want this configuration page to inherit settings from, and click **Submit**.

The configuration window changes to reflect the settings associated with the selected device group.

Overriding the Device Group Settings on a Device

The WAAS Central Manager GUI allows you to override the device group settings and specify new settings that are unique to that device.

To override the device group settings on a device, follow these steps:

Step 1 From the WAAS Central Manager GUI navigation pane, choose **My WAN > Manage Devices**.

Step 2 Click the **Edit** icon next to the device that you want to override its group settings.

The Device Dashboard window appears.

Step 3 From the navigation pane, browse to the configuration window that contains the device group settings you want to override.

Step 4 Click the Override Group Settings icon in the taskbar.

The settings in the configuration window are enabled.

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Note The Override Group Settings icon only appears on configuration windows that have been modified on the associated device group.

Step 5 Make the necessary changes to the configuration window, and click **Submit**.

The device is now configured with settings that are different from the device group it belongs to.

✎

Note   The Force Settings on all Devices in Group icon appears in the device group view of an
overridden configuration window. You can click this icon to reapply the device group settings to
all devices in the device group.

Step 6   To reapply the device groups settings to this configuration window, choose the device group from the
drop-down list in the taskbar, and click **Submit**.

Understanding the Impact of Assigning a Device to Multiple Device Groups

If a device belongs to multiple device groups, a configuration conflict might occur if the groups are not
configured exactly the same. In this case, the device will inherit the settings from the device group that
was most recently changed. In some cases, however, a device can retain settings from more than one
device group depending on how the changes were implemented.

The following scenario describes how a device can retain settings from multiple device groups:

Action 1: Device A is assigned to Device Group 1 (DG1).

Result: Device A automatically inherits all the configuration settings of DG1.

Action 2: Device A is assigned to Device Group 2 (DG2) so it now belongs to two device groups (DG1
and DG2).

Result: Device A inherits all the settings from DG2, but it remains a member of DG1.

Action 3: The standard time zone setting on DG1 is changed to America New York.

Result: The time zone of Device A changes to America New York, but the device maintains all its other
configuration settings from DG2.

In this scenario, Device A's configuration is a hybrid of DG1 and DG2. If you want to specify which
device group settings a device should inherit, you can use the override features described in the
"Overriding Group Configuration Settings" section on page 3-9.

Working with Baseline Groups

A baseline group is a special type of device group used to configure a WAAS service consistently across
multiple devices.

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Note   WAAS Express devices do not use baseline groups.

The WAAS Central Manager GUI provides the following three types of baseline groups:

- File—Configures file services consistently across multiple devices.
- Acceleration—Configures the application policies consistently across multiple devices.
- Platform—Configures platform settings consistently across multiple devices.

For example, if you want all your devices to have the same set of application policies, we recommend that you create an Acceleration baseline group that contains all your custom and modified policies. When you assign all your devices to this group, the devices automatically inherit the application policies from the group. Anytime you need to change a policy, you make the change to the baseline group and the change is propagated to all your devices.

A device can be a member of multiple baseline groups. However, a particular service can have only one baseline group associated with it at any given time.

A baseline group is configured in the same way and functions in the same manner as a device group. You first create the baseline group, then configure or modify service settings for that group, then finally assign devices to the group.

This section contains the following topics:

- Configuring the Default Baseline Groups, page 3-12
- Switching the Baseline Group for a Service, page 3-14

Configuring the Default Baseline Groups

Table 3-2 describes the process for configuring the default baseline groups that come with your WAAS system.

Table 3-2   Checklist for Configuring the Default Baseline Groups

Task	Additional Information and Instructions
1. Customize the baseline group settings.	Changes the basic properties of the baseline group like whether newly activated devices automatically join the group.
	For more information, see the "Customizing the Baseline Group Settings" section on page 3-12.
2. Configure the service settings for the baseline group.	Configures the service settings that are unique to the baseline group. All devices that are a member of this group will automatically inherit these settings.
	For more information, see the "Configuring the Service Settings for a Baseline Group" section on page 3-13.
3. Assign devices to the baseline group.	Assigns devices to the group so they can inherit the group settings.
	For more information, see the "Assigning Devices to a Configuration Device Group" section on page 3-6.

This section contains the following topics:

- Customizing the Baseline Group Settings, page 3-12
- Configuring the Service Settings for a Baseline Group, page 3-13

Customizing the Baseline Group Settings

The first step in configuring a baseline group is to customize the basic settings that determine the following:

- Whether all newly activated devices automatically join the baseline group.
- The configuration windows that you want to hide for the baseline group.

To customize the settings for a baseline group, follow these steps:

Step 1 From the WAAS Central Manager GUI navigation pane, choose one of the three baseline groups that you want to customize, as follows:

- For the File Services baseline group, choose **Configure > File Services > Baseline Group**.
- For the Acceleration Services baseline group, choose **Configure > Acceleration > Baseline Group**.
- For the Platform Services baseline group, choose **Configure > Platform > Baseline Group**.

The Selecting the (File, Acceleration, or Platform) Baseline Group window for the chosen service appears.

> **Note** If this baseline group does not have a device group assigned to it, the Selecting the File Baseline Group window appears. From this window, select the device group that you want to assign to this baseline group, and then proceed with the rest of the instructions in this section.

Step 2 Change the name of the baseline group by entering the new name in the provided field.

The name must be unique and should be a name that is useful in distinguishing the baseline group from others on your system. The name cannot contain spaces or special characters.

Step 3 Check the **Automatically assign all newly activated devices to this group** check box to set this baseline group as the default device group for all newly activated devices. Only check this box if you want all your devices to inherit the settings of this baseline group.

Step 4 Enter your comments in the Comments field to provide a description of this baseline group.

The comments you enter will appear in the Device Group window.

Step 5 Click the **Pages configured for this device group** arrow to view the list of the windows in the WAAS Central Manager GUI that have been configured for this baseline group.

Step 6 Customize the navigation pane for this baseline group by completing the following steps:

a. Click the **Select pages to hide from table of contents of this device group** arrow.

A list of windows in the WAAS Central Manager GUI appears.

b. Place a check next to the windows that you want to hide for this baseline group. Use this feature to remove from view any configuration windows that you do not need for this particular baseline group.

Step 7 Click **Submit**.

The windows that you selected to hide for this baseline group disappear from the navigation pane.

Step 8 Configure the service settings for this baseline group as described in the section that follows.

Configuring the Service Settings for a Baseline Group

Each baseline group should be configured to reflect the unique service settings that are not shared with the other baseline groups. For example, if you use the File baseline group to configure File Services on your devices and the Acceleration baseline group to configure the application policies, then these two

baseline groups should be configured with different service settings. In this case, the File baseline group can be configured with Edge Server service enabled, and the Acceleration baseline group can be configured with custom or modified application policies.

To configure service settings for a baseline group, follow these steps:

Step 1 From the WAAS Central Manager GUI navigation pane, choose one of the three baseline groups that you want to configure, as follows:

- For the File Services baseline group, choose **Configure > File Services > Baseline Group**.
- For the Acceleration Services baseline group, choose **Configure > Acceleration > Baseline Group**.
- For the Platform Services baseline group, choose **Configure > Platform > Baseline Group**.

The Modifying Device Group window for the chosen service appears.

Step 2 Click the **Pages configured for this device group** arrow button to view the configuration windows that have already been configured for the baseline group.

A list of pages that are configured for this baseline group appears. If this is a new baseline group or if there are no pages configured for this baseline group, the list displays Null.

Step 3 Use the navigation pane to navigate to the configuration window that you want to modify for this baseline group.

Depending on the baseline group you are configuring, you will likely want to modify the following configuration windows:

- Configure > File Services—Configures service settings for the File baseline group.
- Configure > Acceleration—Configures service settings for the Acceleration baseline group.
- Configure > General Settings—Configures service settings for the Platform baseline group.

If a configuration window has not been configured for this baseline group, the message "There are currently no settings for this group" appears at the top of the window.

Step 4 After making the necessary changes to a configuration window, click **Submit**.

After you submit your changes, the modified configuration window is listed under Pages configured for this device group in the Modifying Device Group window.

Step 5 Assign devices to this new group as described in the

Switching the Baseline Group for a Service

The WAAS Central Manager GUI allows you to switch the device group that is associated with a baseline group. When you switch a baseline group, you must choose a regular device group to take its place. During the switch, the regular device group that you choose is converted to a baseline group, and the baseline group that you remove is converted to a regular device group.

To remove a baseline group from a service and associate another baseline group in its place, follow these steps:

Step 1 From the WAAS Central Manager GUI navigation pane, choose **Configure > File** or **Acceleration** or **Platform > Baseline Group**.

The Modify Device Group window for the chosen service appears.

Step 2   Click the **Switch Group** icon in the taskbar. The WAAS Central Manager GUI returns the following message:

```
This action will remove this device group as the Baseline Group for this service. You can
then select another device group or create a new one to the Baseline Group for this
service. Do you wish to Continue?
```

Step 3   Click **OK** to remove the device group from the service.

The WAAS Central Manager GUI displays the Selecting the Baseline Group window for the chosen service.

Step 4   From the Select a Device Group to be the Baseline Group drop-down list, choose a device group, or choose the **Create New Device Group** option, as follows:

- If you choose a device group to be the baseline group for that service, the WAAS Central Manager GUI takes you to the Modify Device Group window for that device group.

- If you choose the Create New Device Group option, the WAAS Central Manager GUI takes you to the Create New Device Group window.

Working with Device Locations

The WAAS Central Manager GUI allows you to create locations that you can associate with a WAAS device. You assign a device to a location when you first activate the device. The main purpose of assigning a device to a location is to help you identify a WAAS device by the physical region in which it resides. Locations are different from device groups because devices do not inherit settings from the location to which they belong.

You can view reports that aggregate data from all the devices in a particular location. For more information, see the "Location Level Reports" section on page 16-41.

You assign a device to a location when you activate the device as described in the "Modifying Device Properties" section on page 9-1.

You can work with locations by performing these tasks:

- Creating Locations, page 3-15
- Deleting Locations, page 3-16
- Viewing the Location Tree, page 3-16

Creating Locations

To create a new location or modify an existing one, follow these steps:

Step 1   From the WAAS Central Manager GUI navigation pane, choose **My WAN > Manage Locations**. The Locations window appears.

Step 2   In the taskbar, click the **Create New Location** icon.

The Creating New Location window appears.

Step 3   In the Name field, enter a location name.

The name can contain letters, numbers, period, hyphen, underscore, and space.

Step 4 From the Parent Location drop-down list, choose a parent location (or choose **None**).

A location with no parent is a level 1 location. A location with a level 1 parent becomes a level 2 location, and so forth. The location level is displayed after you choose a parent location (or choose **None**) and click **Submit** to save the configuration.

Step 5 (Optional) In the Comments field, enter comments about the location.

Step 6 Click **Submit**.

Step 7 Modify a location by going to the Locations window and clicking the **Edit** icon next to the name of the location that you want to modify.

Step 8 Assign a device to this location. For more information, see the "Modifying Device Properties" section on page 9-1.

Deleting Locations

You can delete locations as needed, as long as they are not the root locations of activated WAAS devices.

✎

Note If a location has a device assigned to it, you can first assign the device to another location and then delete the original location.

To delete a location, follow these steps:

Step 1 From the WAAS Central Manager GUI navigation pane, choose **My WAN > Manage Locations**. The Locations window appears.

Step 2 Click the **Edit** icon next to the location that you want to delete.

The Modifying Location window appears.

Step 3 In the taskbar, click the **Delete Location** icon. You are asked to confirm your decision to delete the location.

Step 4 To confirm the action, click **OK**. The location is deleted.

Viewing the Location Tree

The location tree represents the network topology you configured when you assigned a parent to each location. The WAAS Central Manager GUI graphically displays the relationships between the locations configured in your WAAS network.

To view the location tree, choose **My WAN > Manage Locations**. In the taskbar, click the **Location Trees** button. The location tree is displayed as shown in Figure 3-3.

Figure 3-3   *Example of the Location Tree*