DRC INSIGHT™
ONLINE LEARNING SYSTEM

Technology User Guide
Volume III: Configuring Devices for Testing

South Carolina

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Introduction

About This Guide

This user guide is part of a multi-volume set that describes how to configure, install, manage, and troubleshoot the DRC INSIGHT Online Learning System, or DRC INSIGHT. This volume, *Volume III: Configuring Devices for Testing*, provides detailed information about configuring devices using the Central Office Services - Device Toolkit (referred to as the COS - Device Toolkit in this user guide). It describes the COS - Device Toolkit and the role it plays in configuring devices for testing. It describes the various tasks you can perform using the COS - Device Toolkit, including how to organize, configure, and manage your testing devices for testing with DRC INSIGHT.

Important Information

Important: Throughout this user guide, the Important icon indicates important information or crucial tips.

COS - Device Toolkit Overview

You use the COS - Device Toolkit to organize, configure, and manage your testing devices. Within the COS - Device Toolkit, you create configurations, a logical grouping of devices usually consisting of one or more Testing Site Managers (TSMs) and multiple testing devices. A configuration allows you to group testing devices and TSMs and easily specify settings for all the devices in the configuration.

Each testing device can belong to only one configuration. The COS - Device Toolkit tracks and manages the testing devices within the configuration by using a unique DRC Device ID that the COS - Device Toolkit creates. You can use the COS - Device Toolkit to move a testing device from one configuration to another or to delete a testing device from the COS - Device Toolkit.

In addition to testing devices, you can configure TSMs as part of a configuration for content caching and/or response caching. You also can specify a load simulation server, the port used for communication, the location of a proxy host. and indicate whether to turn automatic software updates for DRC INSIGHT software off or on.

■ COS - Device Toolkit Overview (cont.)

After you have installed your TSMs, you use the COS - Device Toolkit to perform the following tasks:

1. Set up configurations.
2. Associate TSMs with configurations.
3. Organize testing devices by configuration.
4. Deploy configurations to testing devices.
5. Register the testing device with a configuration after you install and start INSIGHT on the testing device.

❑ Central Office Services Software

The COS - Device Toolkit integrates the new Central Office Services interface with the legacy Device Toolkit as part of the transition from the legacy Device Toolkit and TSM software to the complete Central Office Services software. For more details about the transition to Central Office Services, refer to the *Central Office Services (COS) - Device Toolkit Transition Guide*.

Important: Current Device Toolkit users will notice some differences in the COS - Device Toolkit interface, but there is no need to install additional software or make changes to your existing configurations to transition to this interface. The new interface is available when you click **Device Toolkit** in eDIRECT.

❑ COS Icon

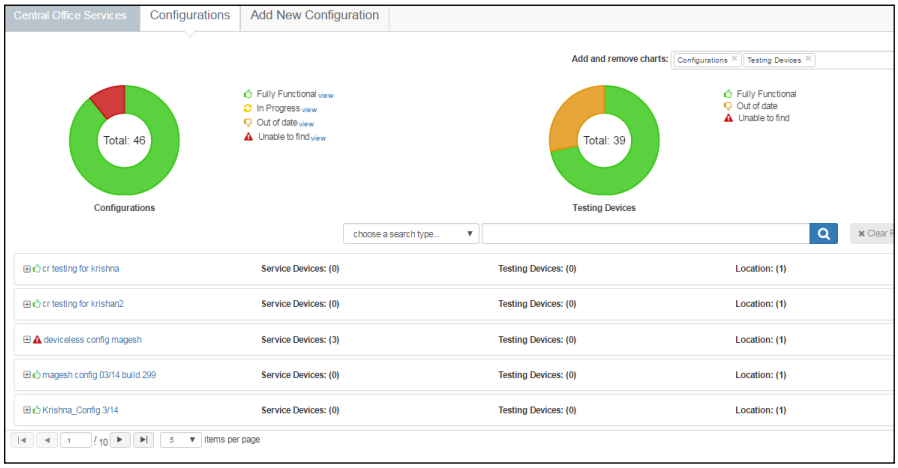
Central Office Services: At various locations throughout this volume, the COS icon is displayed. It indicates functionality that is part of the Central Office Services interface but is unavailable for the COS - Device Toolkit interface, either because it requires the Central Office Services software to be installed or because it is not compatible with TSM software.

The Central Office Services - Device Toolkit Dashboard

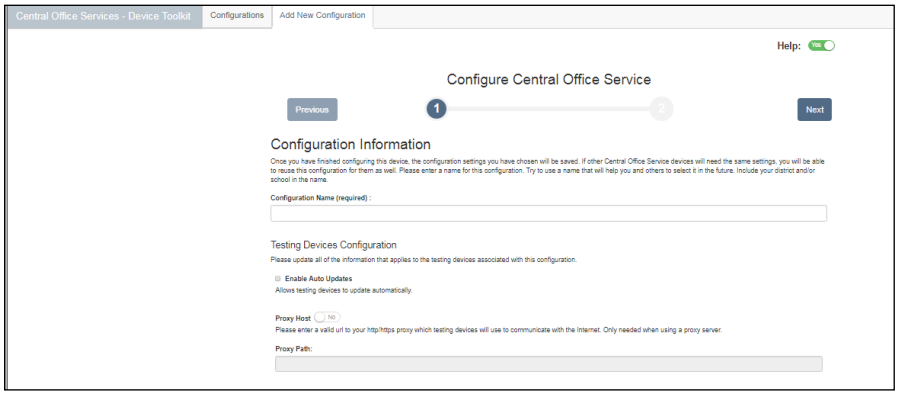
Introduction

The Central Office Services (COS) - Device Toolkit interface consists of two tabs—Configurations and Add New Configuration.

- The Configurations tab displays a visual dashboard describing the configurations that currently exist in the COS - Device Toolkit, status information about each configuration, and the testing devices associated with each configuration. From this tab, you can drill down into a configuration to manage the configuration and its associated devices.



- The Add New Configuration tab helps you quickly create a new configuration.

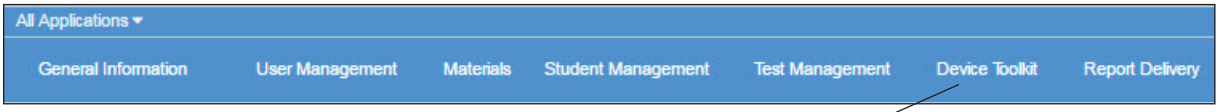


This section describes the COS - Device Toolkit dashboard that appears in the Configurations tab. Using the dashboard, you can review, monitor, and manage your configurations, TSMs, and testing devices from a central location.

Navigating the COS - Device Toolkit Dashboard

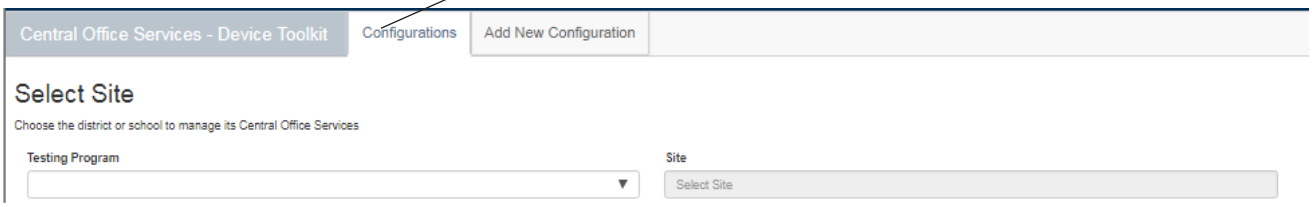
From the Configurations tab, select a testing program and a site from the drop-down menus to display the COS - Device Toolkit dashboard. When the dashboard first appears, two "donut" charts—Configurations and Testing Devices— display at the top. A third chart, Service Devices, is also available. You can toggle the dashboard to display any combination of these three charts.

Central Office Services: Service device functionality is part of the Central Office Services interface and is unavailable for the COS - Device Toolkit. In some locations within the interface, TSM options replace service device options.

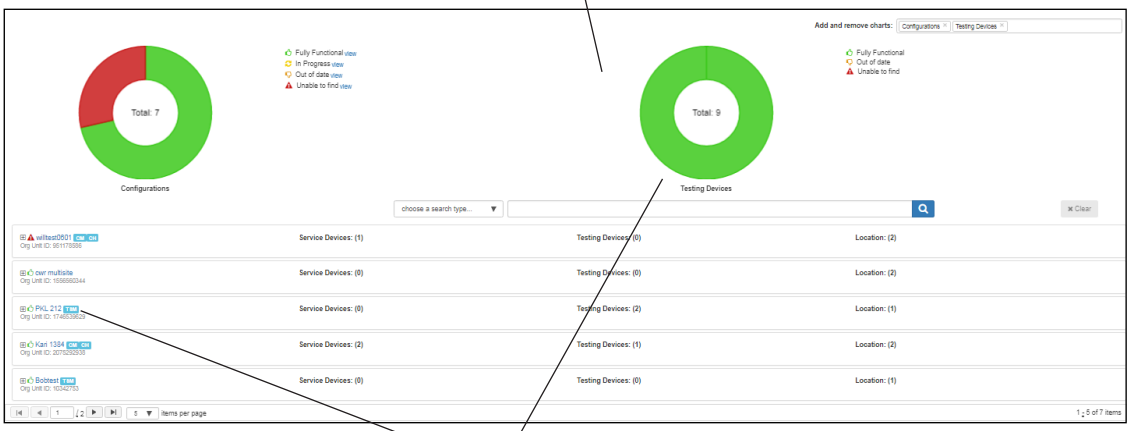


1. To start the COS - Device Toolkit and display its dashboard, sign on to eDIRECT, open the **All Applications** menu, and click **Device Toolkit**.

Note: You must have the Device Toolkit permission in eDIRECT to have access to this link.



2. From the Configurations tab, when you select a testing program from the drop-down menu, and search for and select a site (district or school) in the Site field by typing three or more letters of the site's name, the COS - Device Toolkit dashboard displays the configurations and testing devices that you can access.



The **Add and remove charts** tabs indicate the graphical donut charts currently displayed in the dashboard. The default is to display the Configurations and Testing Devices charts. Your configurations are listed below the donut charts, and you can click a configuration name to view or manage the configuration.

Navigating the COS - Device Toolkit Dashboard (cont.)

Within a donut chart, you can hover your mouse over a color to display the number of configurations or devices that have a particular status. Clicking the text in the legend to the right of a donut chart displays a definition of the status. The grids below list the colors and corresponding icons that appear in each legend (and elsewhere in the dashboard). They also list the corresponding status and provide a brief description of each status.

Note: The statuses for the Configurations chart are different from the statuses for the Testing Devices chart.

Configurations Chart

Chart Color	Icon	Configuration Status	Description
Green		Fully Functional	All TSM and testing devices using a configuration are visible to the COS - Device Toolkit and are either in use or ready for use.
Orange		Out of date	NA
Yellow		In Progress	NA
Red		Unable to find	Configured services have not been seen for at least an hour.

Central Office Services: The **In Progress** and **Out of date** status icons do not apply to configurations that use a TSM in the COS - Device Toolkit. To determine the status of a TSM, refer to the TSM interface information (see *Volume II: Testing Site Manager [TSM]*).

Testing Devices Chart

Chart Color	Icon	Testing Device Status	Description
Green		Fully Functional	Testing device last seen within a month
Red		Unable to find	Testing device has not been seen for at least a year.
Orange		Out of date	Testing device has not been seen for at least a month

Navigating the COS - Device Toolkit Dashboard (cont.)

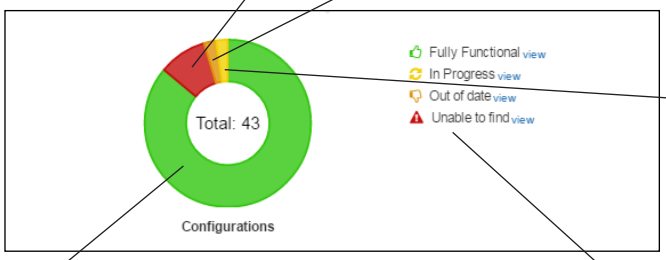
When you hover over a color in a donut chart, informational text appears based on the color of the chart.

Central Office Services: The **In Progress** and **Out of Date** status icons will not appear in configurations that use a TSM in the COS - Device Toolkit. To determine the status of a TSM, refer to the TSM interface information (see *Volume II: Testing Site Manager [TSM]*)

Configurations Chart

Red area text displays "**Unable to find:** *x*," where *x* is the number of missing configurations.

Orange area text displays "**Out of date:** *x*," where *x* is the number of configurations that are out of date.



Yellow area text displays "**In Progress Upload/ Download:** *x*," where *x* is the number of configurations uploading or downloading.

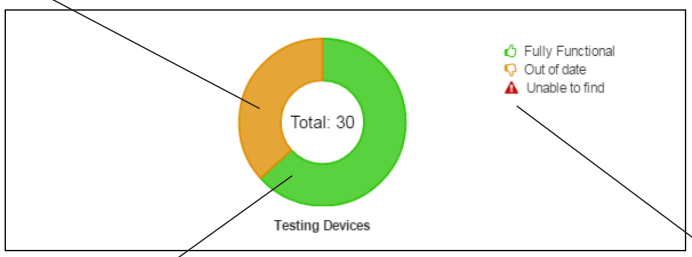
Green area text displays "**Fully Functional:** *x*," where *x* is the number of fully functional configurations.

The four status icons are listed to the right of the Configurations chart. Click **view** to the right of a status icon to filter the list, starting with the status you selected. Click a status name to display a definition of the status.

Testing Devices Chart

Orange area text displays "**Out of date:** *x*," where *x* is the number of testing devices with content that is out of date.

Red area text displays "**Unable to find:** *x*," where *x* is the number of missing testing devices.



Green area text displays "**Fully Functional:** *x*," where *x* is the number of fully functional testing devices.

The three status icons are listed to the right of the Testing Devices chart. Click on a status name to display a definition of the status.

Navigating the COS - Device Toolkit Dashboard (cont.)

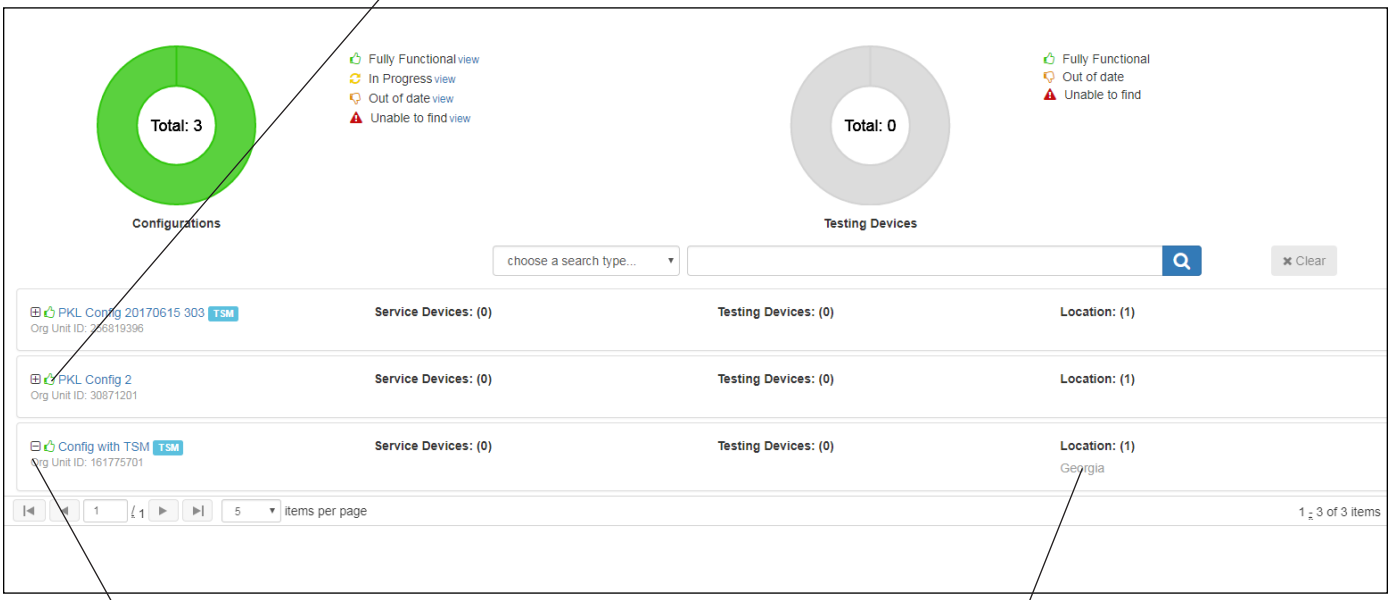
The Configurations tab displays all the configurations that match your search criteria. When you click the plus sign icon (+), the locations where the configuration and associated devices are registered are also displayed.

Note: The new ORG Unit ID is always displayed.

COS **Central Office Services:** The **In Progress** and **Out of date** status icons do not apply to configurations that use a TSM in the COS - Device Toolkit. To determine the status of a TSM, refer to the TSM interface information (see *Volume II: Testing Site Manager [TSM]*)

The icon to the left of the configuration name indicates the current overall status of the TSMs in the configuration.

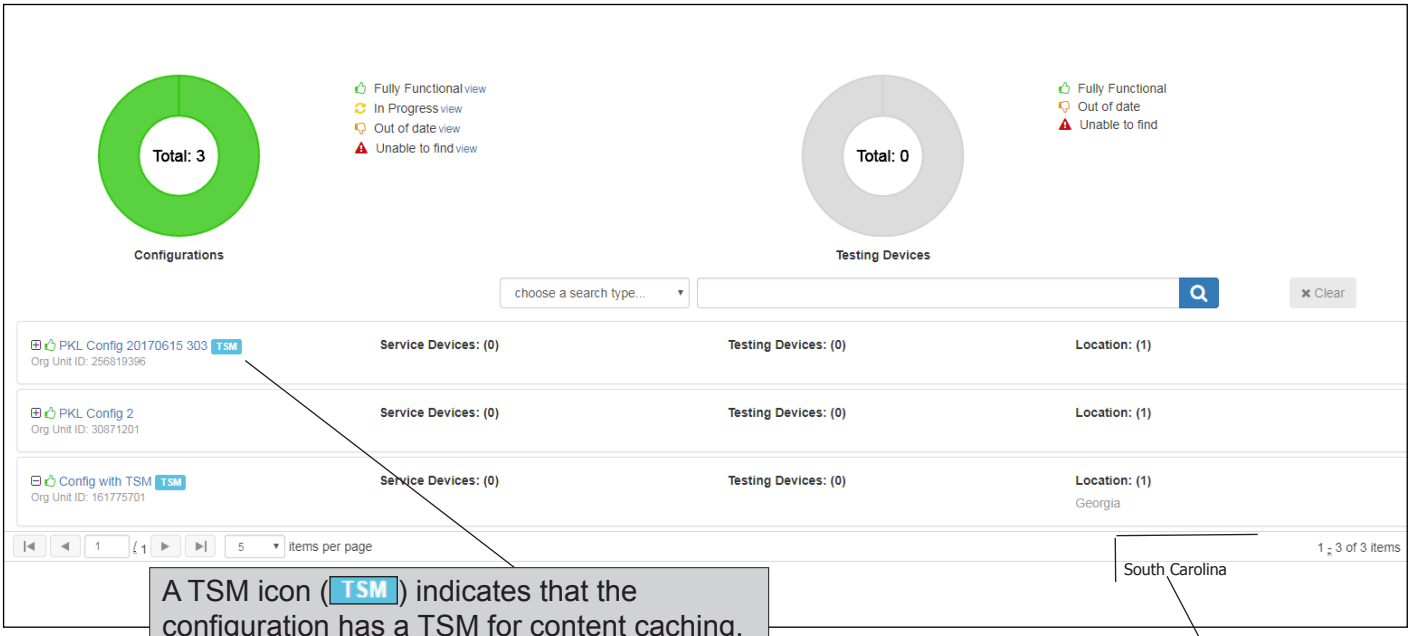
Icon	Description
Fully Functional ( )	Test content for all administrations is up to date on all TSMs, and the configured services on all TSMs are functional.
In Progress ( )	NA
Out of Date ( )	NA
Unable to find ( )	One or more TSMs in the configuration has not been "seen" in the last hour by the COS - Device Toolkit.



Click the plus (+) sign icon (toggles to a minus [-] sign icon) to display location information about the configuration, including all of the locations where the configuration's devices are registered.

For configurations with TSMs, the configured locations are displayed here.

Navigating the COS - Device Toolkit Dashboard (cont.)



A TSM icon (TSM) indicates that the configuration has a TSM for content caching.

The title of the assessments and administrations that were selected in the configuration is listed.

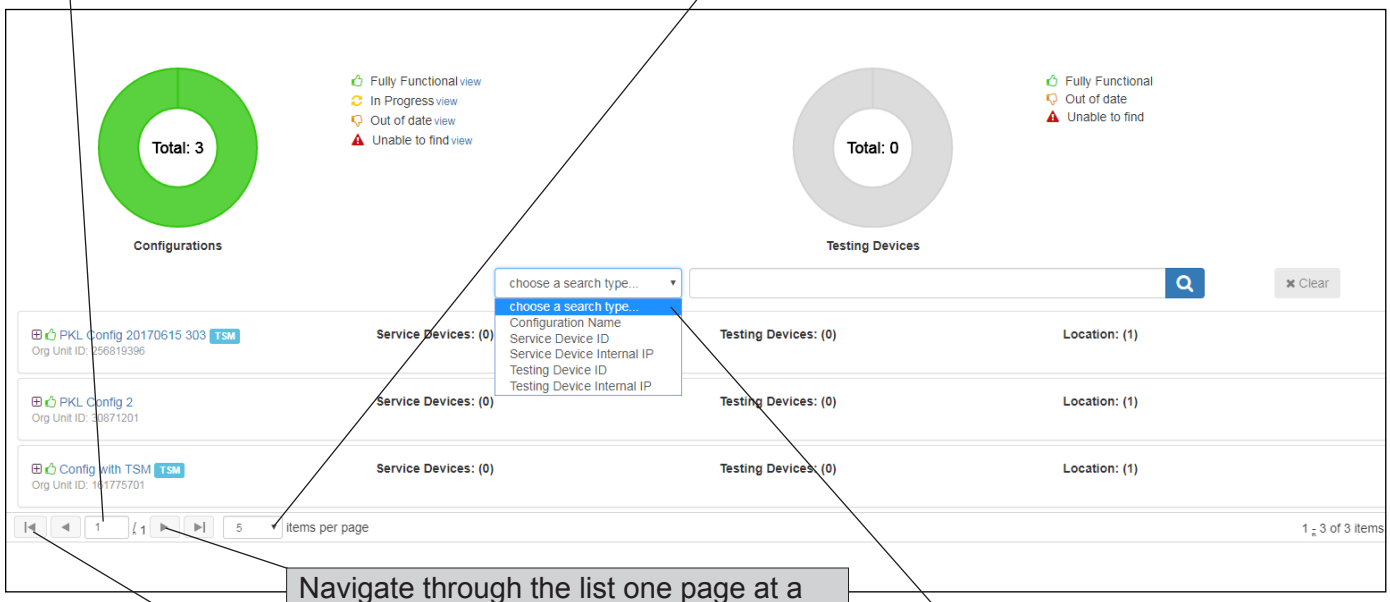
Note: If Response Caching is enabled for the configuration, a capitol letter **R** displays.

Navigating the COS - Device Toolkit Dashboard (cont.)

When there are more configurations than can be shown on a single page, the COS - Device Toolkit allows you to page through the configurations. There are multiple ways to navigate the dashboard configuration pages, as shown below.

Enter a number in the selected page box to jump directly to a certain page.

Specify the number of configurations to display on a page by using the items per page drop-down menu.



Navigate through the list one page at a time by clicking the **Page forward** (▶) and **Page back** (◀) arrows.

Click the **Page to first** (|◀) or **Page to last** (▶|) arrows to go to the first or last page.

To refine your search criteria, choose a search type—Configuration Name, Service Device ID, Service Device Internal IP, Testing Device ID, or Testing Device IP Address—enter your search values, and click the Search icon (🔍). You can click **Clear** at any time to clear your search results and return to the original display.

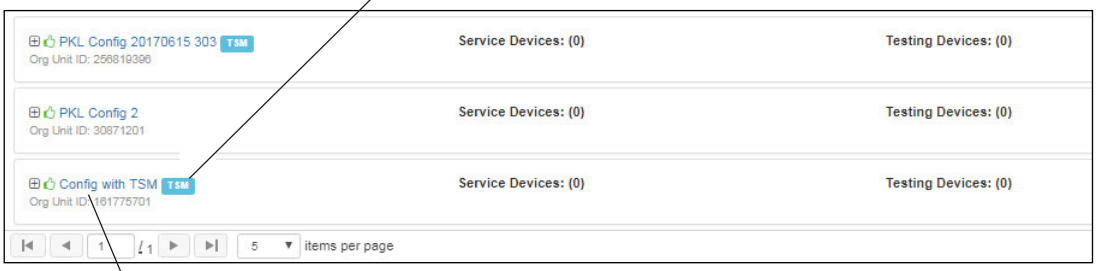
Notes:

- The search values you enter for a Configuration Name search do not have to be the first values in the string for which you are searching. The search locates any string in the search type that contains the search values you specified.
- The minimum number of characters you must enter varies by search type and a reminder is displayed, if necessary, when you search.

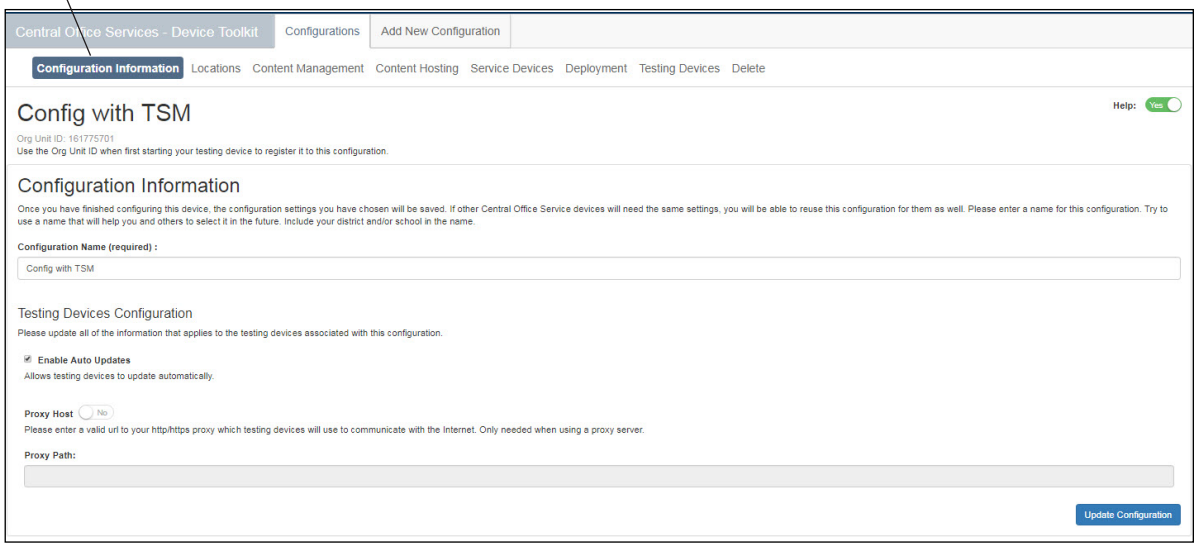
Central Office Services: The Service Device ID and Service Device Internal IP filters do not apply to configurations that use a TSM in the COS - Device Toolkit.

Navigating the COS - Device Toolkit Dashboard (cont.)

Each row on a page displays a configuration name, with icons indicating the number of devices using the configuration and the number of locations configured. In addition, a TSM icon (TSM) indicates that there are one or more TSMs associated with the configuration.



Click the configuration name to display the configuration's details.



Configuring Devices for Testing

■ Overview of Configuring INSIGHT

The process of configuring INSIGHT on testing devices consists of two main parts:

1. Create or modify configurations using the COS - Device Toolkit and, if needed, move one or more testing devices to them.

   Important: You can use COS - Device Toolkit configurations for a combination of testing devices.

2. For silent installations, you can create a compressed deployment file (.zip) using the COS - Device Toolkit, download it, and use it to deploy INSIGHT to the testing devices that you configured. Alternatively, you can launch INSIGHT on a testing device and manually link it to a configuration.

❑ Web Browsers and the COS - Device Toolkit

The COS - Device Toolkit is available from the eDIRECT and is supported for the following web-browser versions.

Browser	Version
Internet Explorer	Version 10 or newer
Chrome	The most recent Google Chrome stable channel release
Mozilla Firefox	Version 31 or newer

❑ COS - Device Toolkit Deployment Files and Silent Installation

You can use the COS - Device Toolkit to create a deployment file (.zip) containing configuration information for each testing device type (see the following page). To install INSIGHT on your testing devices silently, download the deployment file, extract the specific file(s) you need to install INSIGHT based on the type of testing devices you configured, and deploy the file(s) to these testing devices.

Note: As shown in the example below, silent installation commands are also available for Windows and Mac (OS X and macOS) in the desktop.txt file that is part of the configuration deployment file (.zip).

Desktop Silent Install Commands
==========

Windows
msiexec.exe /i DRC_INSIGHT_Setup.msi /qn /lv “install.log” HTTPS_PROXY=“” OU_IDS=“161775701”

Mac OSX
sudo ./drc_silent_install -o 161775701 -x “”

❑ Example Deployment File Templates

Important: The code in the deployment files is meant as a rough template only. Depending on your Mobile Device Management (MDM) software, your configuration could be very different (see *Volume IV: DRC INSIGHT* for more information about the deployment files).

Chromeos.json
Contains configuration information for Chromebook testing devices (see the example below) {“ouIds”:{“Value”:[“161775701”]}}
DRCConfiguration.json
Contains configuration information for Windows, Mac, and Linux machines (see the example below) { “config”: { “httpsProxy”: “” }, “ouIds”: [“161775701”]}
ios.plist
Contains a silent installation command for iPad testing devices (see the example below) <?xml version=“1.0” encoding=“UTF-8”?> <!DOCTYPE plist PUBLIC “-//Apple//DTD PLIST 1.0//EN” “http://www.apple.com/DTDs/PropertyList-1.0.dtd”> <plist version=“1.0”> <dict> <key>ouIds</key> <string>161775701</string> </dict> </plist>

❑ Setting Up INSIGHT on PCs and Mac Testing Devices

The following steps describe the process of configuring, installing, deploying, and registering INSIGHT on PCs and Mac (OS X and macOS) testing devices.

1. Use the COS - Device Toolkit to create configurations and deployment files and organize your testing devices in the configurations.
2. Use a silent installation (many testing devices) or an interactive installation (one testing device) to install INSIGHT on one or more machines.
3. If you installed INSIGHT interactively, start INSIGHT and enter the COS - Device Toolkit ORG Unit ID to register the testing device. If you installed INSIGHT using a silent installation, when you start INSIGHT, the testing device is registered automatically.

❑ Setting Up INSIGHT on iPad Testing Devices

The following steps describe the process of configuring, installing, deploying, and registering INSIGHT on iPad testing devices.

1. Use the COS - Device Toolkit to create configurations and deployment files and organize your testing devices in the configurations.
2. Use an MDM solution to install INSIGHT on each testing device. To *deploy and register* your DRC INSIGHT iPad software automatically, your MDM software must support the Managed App Configuration feature (first introduced in iOS 7).
3. If you installed and registered INSIGHT using an MDM solution, when you start INSIGHT, the iPad testing device is registered automatically. If you installed INSIGHT using an MDM without the Managed App Configuration feature, start INSIGHT and enter the COS - Device Toolkit ORG Unit ID to register the testing device with the configuration.

❑ Setting Up INSIGHT on Chromebook Testing Devices

The following steps describe the process of configuring, installing, deploying, and registering INSIGHT on Chromebook testing devices. This overview assumes that you have registered your Chromebook testing devices in your Google domain account (for more information, see https://support.google.com/a/answer/182433).

1. Use the COS - Device Toolkit to create configurations and deployment files and organize your testing devices in the configurations.
2. Use Chrome device management to install and deploy INSIGHT and the deployment files to your Chromebook testing devices. The INSIGHT App is installed as a Kiosk application the next time the policy is reloaded, which takes place once every three hours. To deploy the INSIGHT App immediately, enter **chrome://policy** in the address bar of the Chromebook and click **Reload policies**.
3. After INSIGHT is deployed, without logging into your Chromebook, start it on each Chromebook testing device to register the testing device with the configuration.

■ Configuring and Installing INSIGHT with a TSM

The following steps describe the process of configuring a testing device and installing INSIGHT with a TSM.

1. Install one or more TSMs on desktop or laptop computers that have static IP addresses and will be available around the clock.
2. Sign on to the DRC eDIRECT using a supported browser (see "Web Browsers and the COS - Device Toolkit" on page 17) and click **Device Toolkit** to start the COS - Device Toolkit.
3. Use the COS - Device Toolkit to organize and configure your testing devices by performing the following tasks:
   - Create configurations based on your testing setup and needs, group the testing devices into configurations, and specify the testing program, district or school, and TSM connection information for the testing devices in the configuration.
   - Check the contents of the log files during testing to monitor testing and testing device activity and make any configuration changes.
4. Install the INSIGHT App on your testing devices and launch INSIGHT to register the testing device.
5. Run the System Readiness Check to verify that the testing device can connect to the TSM and is ready for testing. If necessary, use the COS - Device Toolkit to reconfigure the testing device configuration and redeploy the configuration software.
6. Test your configurations and monitor the log files for issues.

❑ TSM Considerations

Because of the role that the TSM plays in testing, there are some special considerations regarding TSM software configuration and installation.

- Install TSMs *before* you install INSIGHT, and specify the path to the TSMs and the communication port using the COS - Device Toolkit.
- The computer on which you install the TSM software should have a static IP address (an IP address that does not change when the computer is restarted or rebooted). If the IP address of a TSM machine changes, you must use the COS - Device Toolkit to update the TSM configuration.
- To change or remove a TSM configuration after a testing device is configured, use the Locations page of the COS - Device Toolkit. When you restart INSIGHT, it automatically updates the testing device's configuration to reflect your changes.

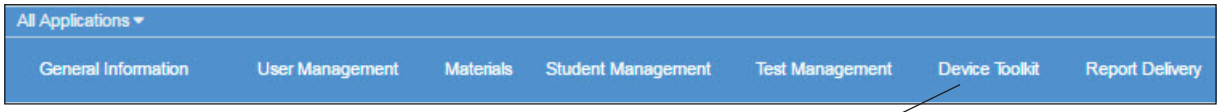
❑ Installing Multiple TSMs and INSIGHT

If you plan to use the same testing computers for multiple types of testing programs, you may need to install more than one TSM.

- You cannot install more than one TSM on the same computer—each TSM must be installed on a dedicated computer.
- You can use INSIGHT to access multiple testing programs (for example, ACCESS for ELLs 2.0 and your state-specific testing program) from the same testing device. You access these testing programs using the same DRC INSIGHT desktop shortcut. When you start INSIGHT, a page appears listing the different testing programs from which you can select.
- You can install a TSM and INSIGHT on the same computer.

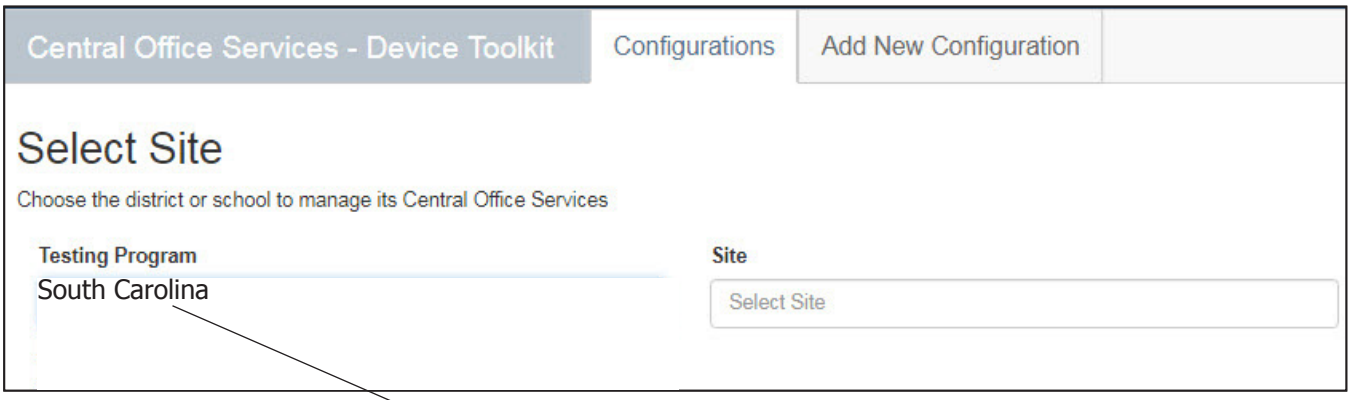
Starting the COS - Device Toolkit and Displaying a Configuration

To start working with the COS - Device Toolkit, click **Device Toolkit** in eDIRECT.



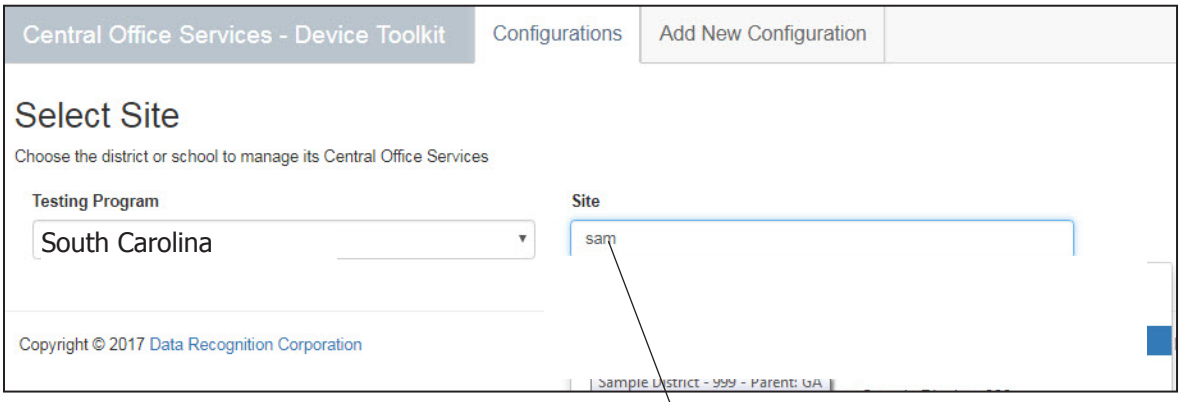
1. To start the COS - Device Toolkit, sign on to eDIRECT, open the **All Applications** menubar, and click **Device Toolkit**.

Note: You must have the Device Toolkit permission in eDIRECT to have access to this link.



2. When the Select Site page appears, select a testing program from the Testing Program drop-down menu.

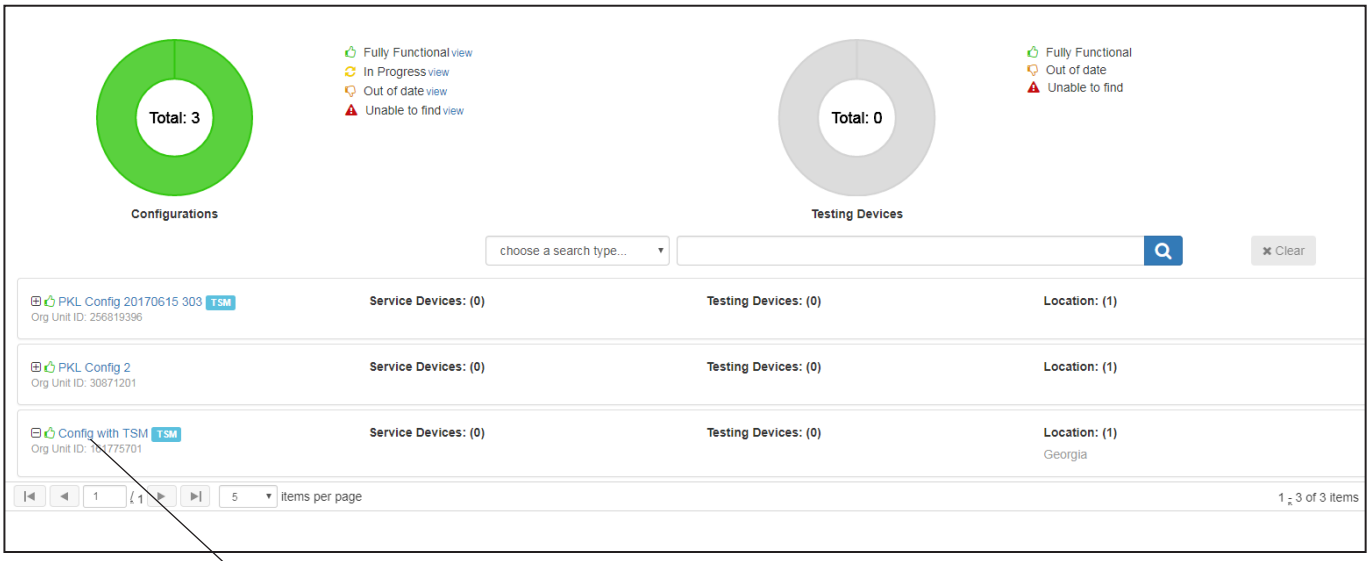
Note: You see only the clients you can access.



3. Select a site (district or school) from the Site field by typing three or more letters of the site's name.

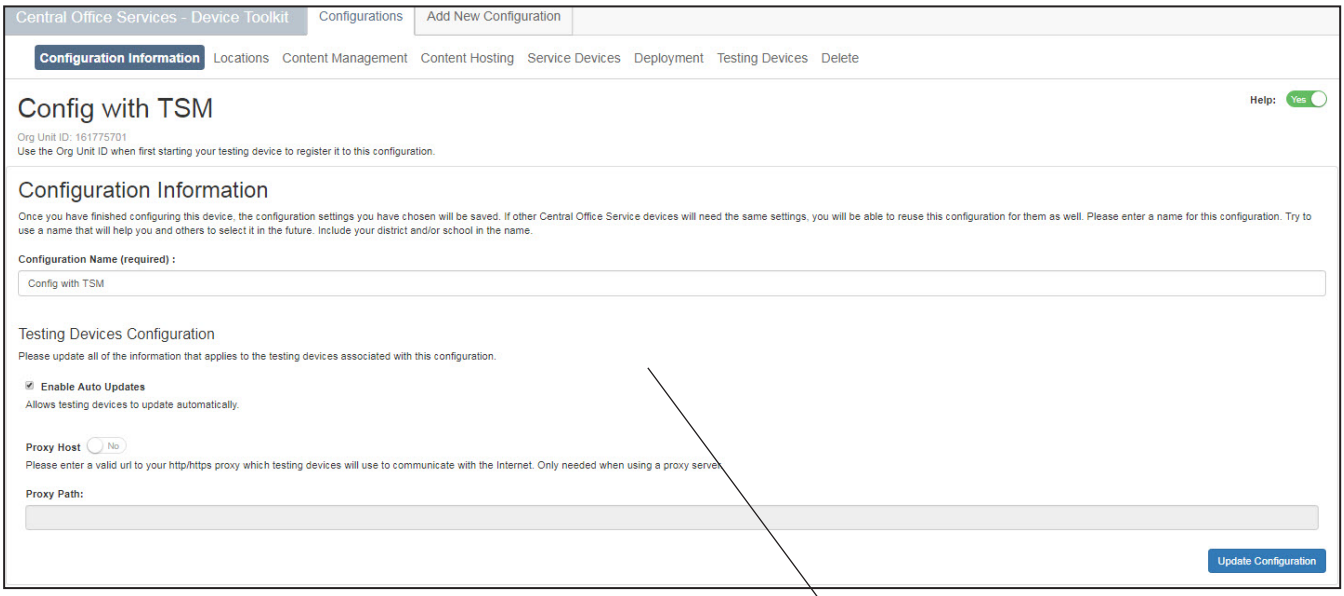
Note: You see only the schools and/or districts that you can access.

Starting the COS - Device Toolkit and Displaying a Configuration (cont.)



4. The COS - Device Toolkit dashboard appears for the site you selected. You can display a configuration by clicking the configuration name. To change testing programs or sites, click **Change** at the top of the page to re-display the Select Site page.

Starting the COS - Device Toolkit and Displaying a Configuration (cont.)



The Configuration Information page for the configuration you selected appears. From this page, you can locate the ORG Unit ID for the configuration, change the name of the configuration, enable or disable automatic updates of the DRC INSIGHT testing software, and specify a proxy host.

From the other configuration pages, listed across the top of the configuration, you can perform the following tasks:

- Add locations to, or remove locations from, the configuration
- Specify a TSM to use for content caching and/or load simulation, and a TSM to use for response caching
- Create and/or download a configuration deployment file
- Add, move, or remove testing devices
- View the configuration log files
- Delete the configuration

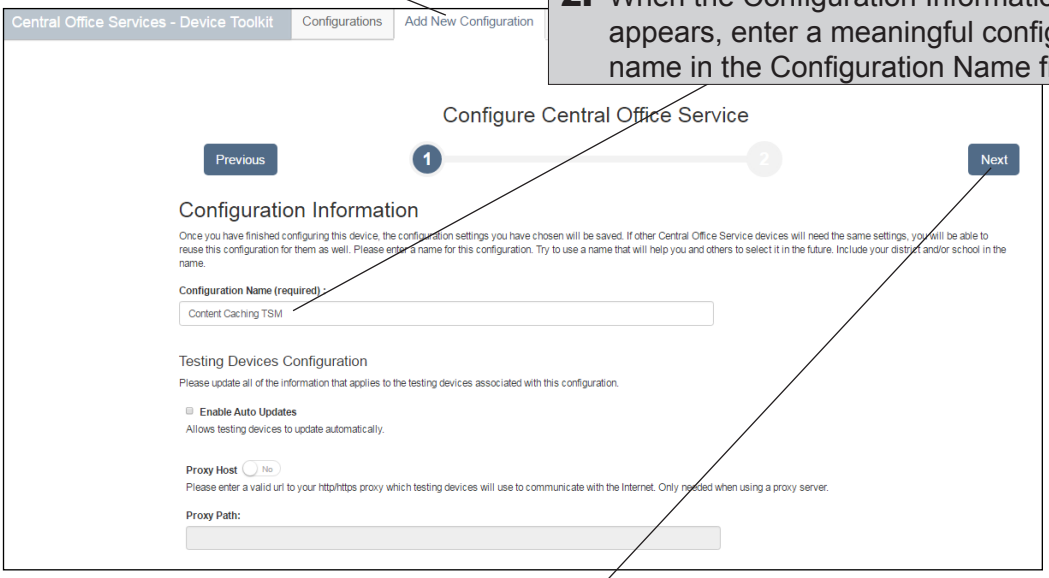
COS **Central Office Services:** Various COS - Device Toolkit pages are in place for the Central Office Services implementation and are not functional when you use a TSM in a configuration. These pages are indicated in this volume by the COS icon.

Creating Configurations

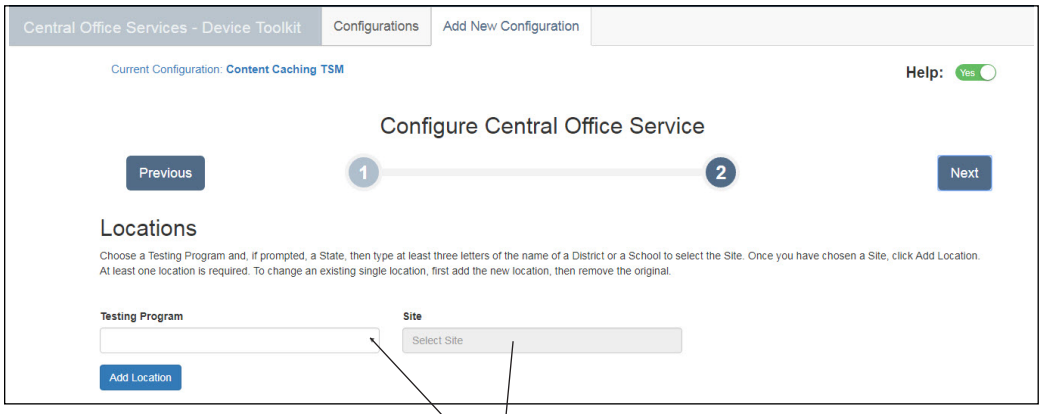
If you want to set up testing devices for testing, you can create a configuration using the Add New Configuration tab. You also can specify a TSM for content caching and/or response caching.

1. To create a new configuration, select the Add New Configuration tab.

2. When the Configuration Information page appears, enter a meaningful configuration name in the Configuration Name field.



3. Select the appropriate options from the Testing Devices Configuration section of the Configuration Information page. For details about the other options, see “Working with Configuration Information” on page 30. When you are ready, click **Next**.



4. When the Locations page appears, select a testing program from the Testing Program drop-down menu. Then, start typing a district name, school name, or site code in the Site field. When you locate the district or school name to which you want to register the configuration and its associated service devices and testing devices, click **Add Location**.

Note: You can select more than one location if you test with multiple testing programs.

Creating Configurations (cont.)

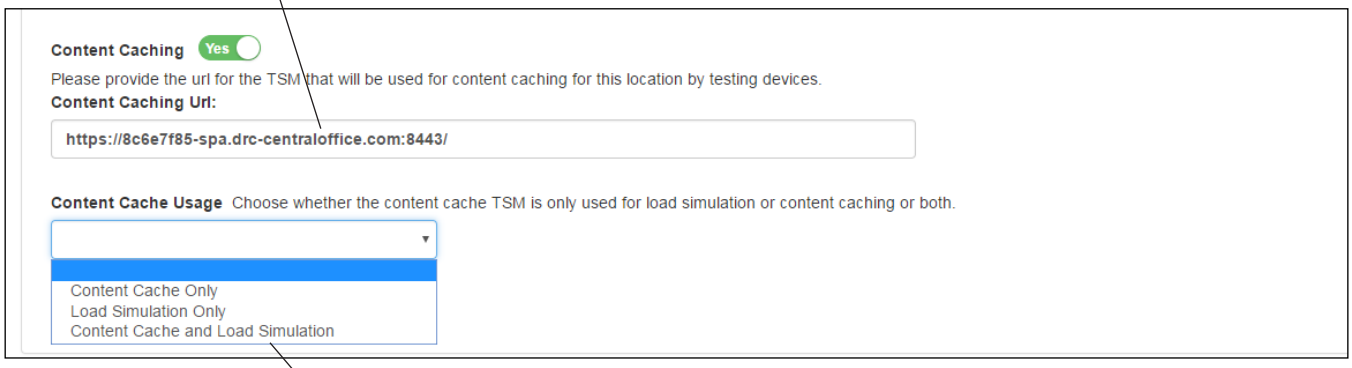
5. You can specify content caching for any location that you choose. To specify content caching, toggle the Content Caching option to **Yes** and enter or paste the TSM server domain name* (from the TSM) for the content caching TSM, prefixed with https:// and followed by a colon, the port number, and a forward slash (/), in the Content Caching URL field in the screenshot below.

An example of the correct format is shown below. Do not use the example; it is an example only.

Example

https://37525ee4-aa4b-47dc-8a9e-19413d7348e5-legacy-sqa.drc-centraloffice.com:8443/

Note: The response caching and content caching TSM can be the same machine.



6. Use the Content Cache Usage drop-down menu options to indicate the functions for which the TSM will be used:

- Content Cache only
- Load Simulation only
- Content Cache and Load Simulation

Important: *Starting with version 9.0.1_0, the TSM includes a TSM server domain name (If you did not save this information when you installed the TSM, you can retrieve it by starting the TSM.) Upon startup, the TSM sends its IP address to the registration API for DNS resolution. If the IP address of a TSM machine changes, when INSIGHT is restarted, it automatically updates the testing device's TSM configuration to reflect the change. In general, a TSM server should have a static IP address (an IP address that does not change when the computer is restarted or rebooted). Remember to include the forward slash (/) at the end of the path to the TSM server—without it, your TSM will not be configured correctly.

Creating Configurations (cont.)

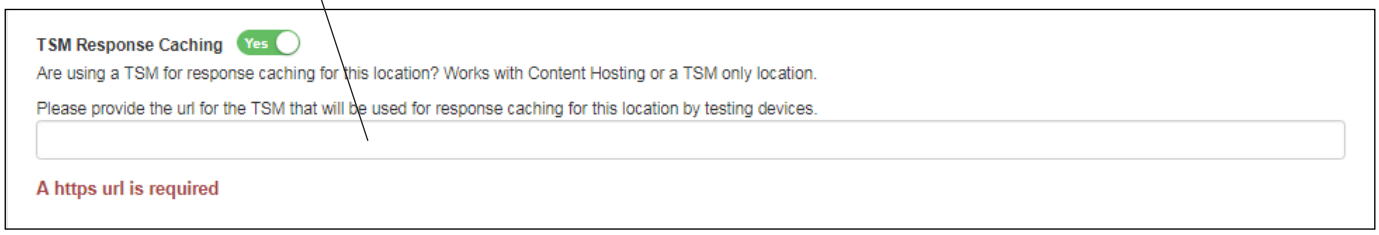
7. You also can specify response caching for any location that you choose. To specify response caching, toggle the TSM Response Caching option to **Yes** and enter or paste the TSM server domain name* (from the TSM), prefixed with https:// and followed by a colon, the port number, and a forward slash (/), in the field below.

An example of the correct format is shown below. Do not use the example; it is an example only.

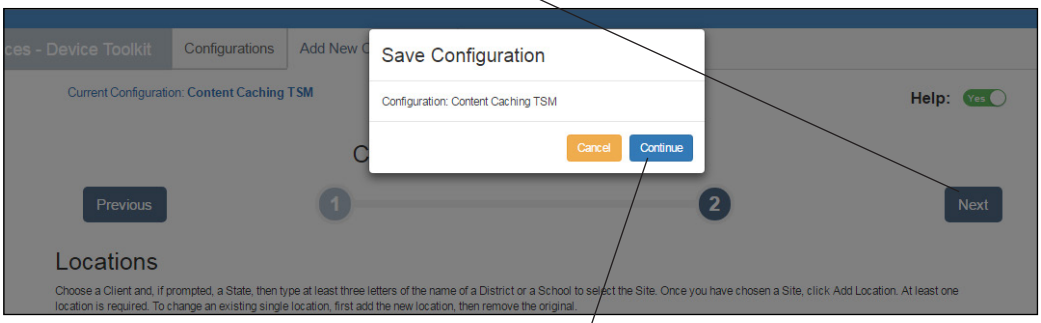
Example

https://37525ee4-aa4b-47dc-8a9e-19413d7348e5-legacy-sqa.drc-centraloffice.com:8443/

Note: The response caching and content caching TSM can be the same machine.

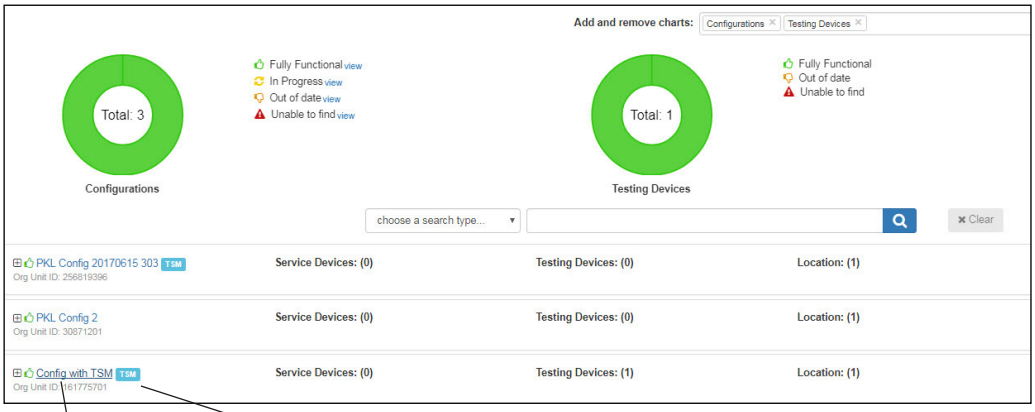


8. When you have selected all your locations**, click Next**.



9. The Save Configuration dialog box is displayed to confirm your choice. Click **Continue** to create the configuration (or **Cancel** to cancel the process).

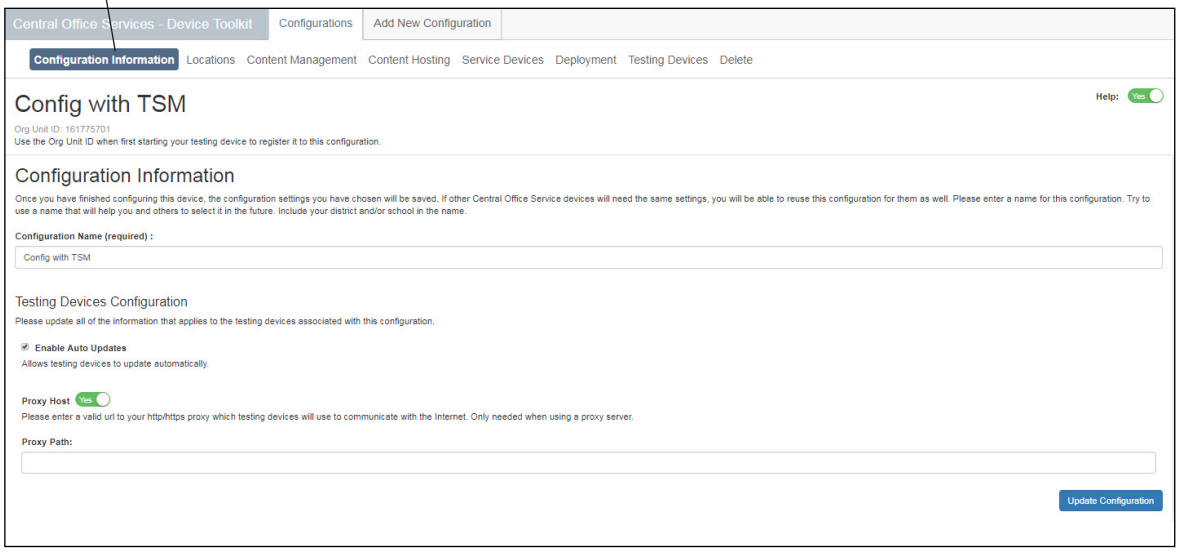
Creating Configurations (cont.)



10. If you click **Continue**, the Configuration Information page displays your new configuration. You can link testing devices to this configuration, and students will be able to test.

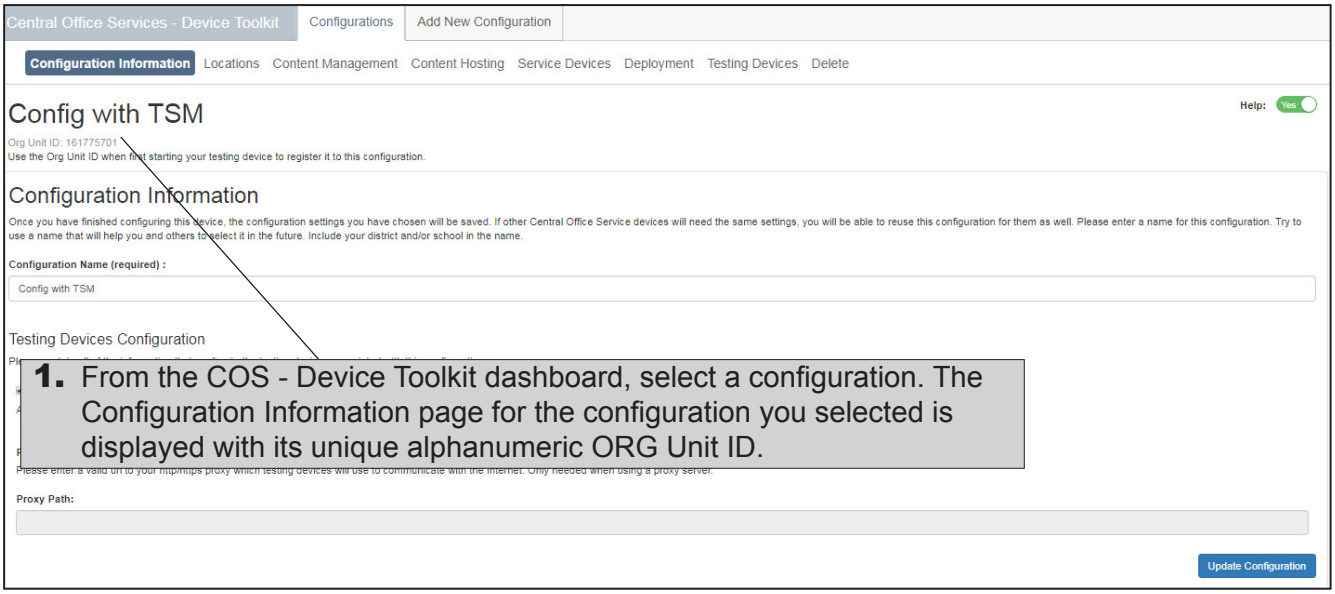
Note: The TSM icon (TSM) indicates that a content caching TSM is associated with this configuration.

11. You can click the configuration name to drill down and review or edit the configuration.



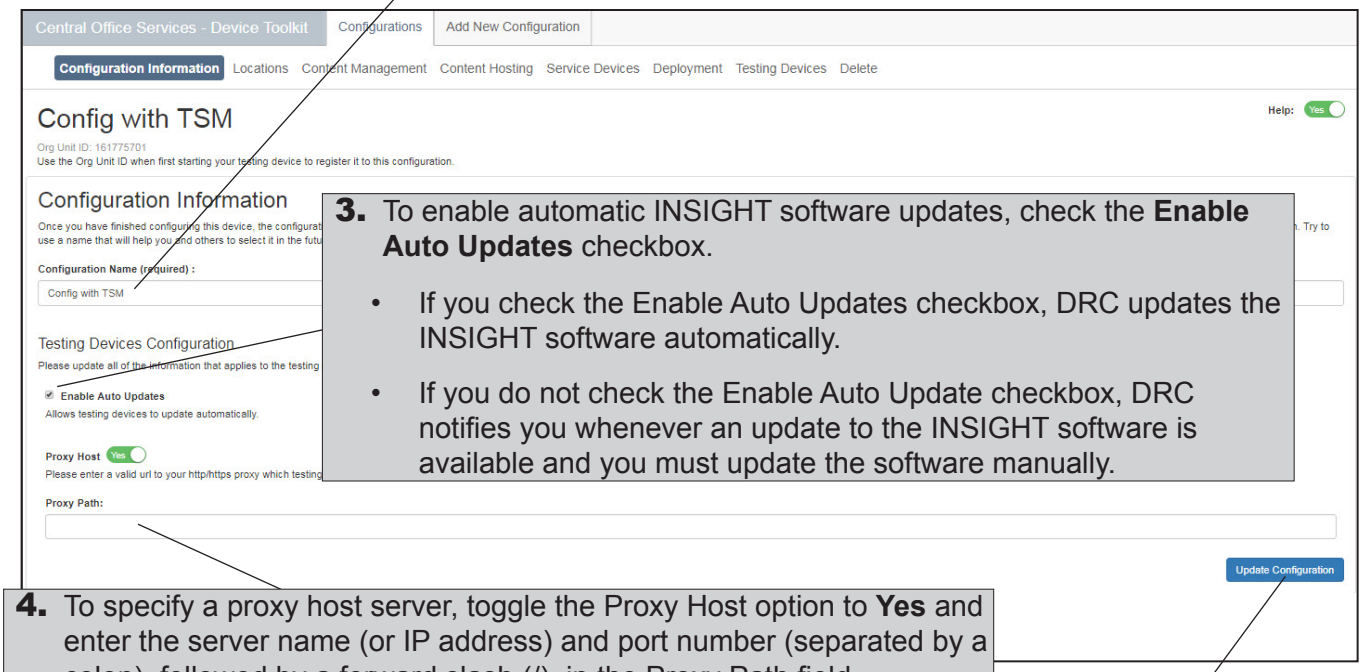
Working with Configuration Information

This section describes how you can use the COS - Device Toolkit Configuration Information page to rename a configuration, turn automatic INSIGHT software updates off or on, and specify a proxy host server.



1. From the COS - Device Toolkit dashboard, select a configuration. The Configuration Information page for the configuration you selected is displayed with its unique alphanumeric ORG Unit ID.

2. You can rename the configuration by entering a new name in the Configuration Name field.



3. To enable automatic INSIGHT software updates, check the **Enable Auto Updates** checkbox.

- If you check the Enable Auto Updates checkbox, DRC updates the INSIGHT software automatically.
- If you do not check the Enable Auto Update checkbox, DRC notifies you whenever an update to the INSIGHT software is available and you must update the software manually.

4. To specify a proxy host server, toggle the Proxy Host option to **Yes** and enter the server name (or IP address) and port number (separated by a colon), followed by a forward slash (/), in the Proxy Path field.

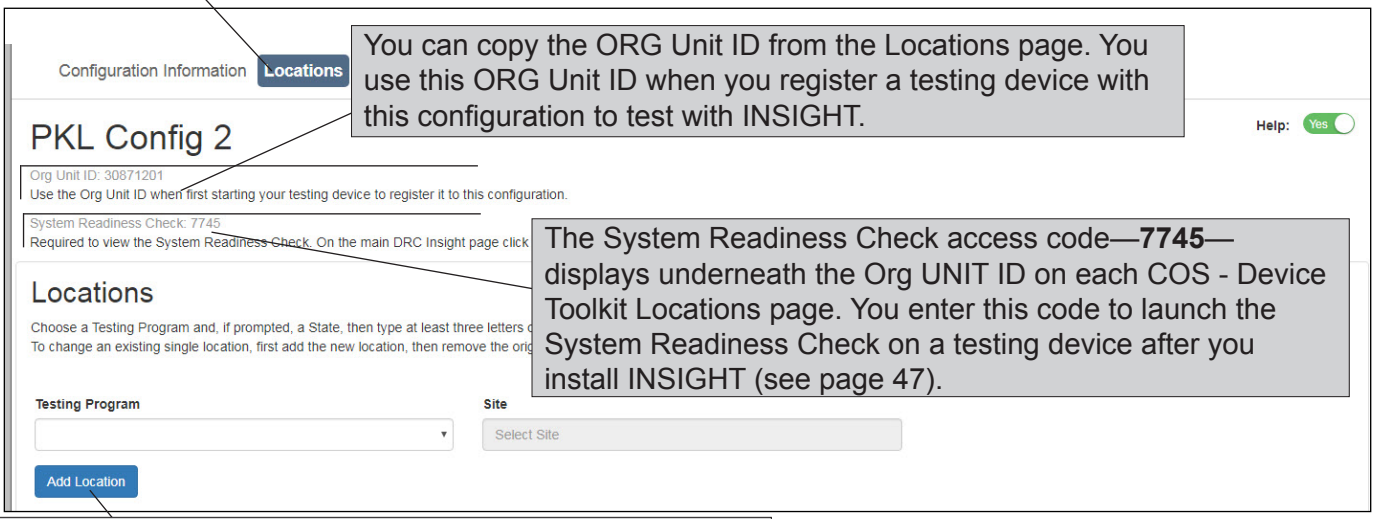
Note: Many sites do not use a proxy server. If you are unsure whether your site uses one, contact your network administrator.

5. Click **Update Configuration** when you are finished.

Working with Locations

Use the COS - Device Toolkit Locations page to view, add, or remove locations where testing devices are registered and to add or remove response caching and/or content caching for a location. You can use the Locations page to specify multiple locations for testing devices that are used for different testing programs, such as ACCESS for ELLs 2.0 and your state testing program.

1. From the Configurations tab, select **Locations** to display the Locations page. This page shows the location(s) where the testing devices are registered.



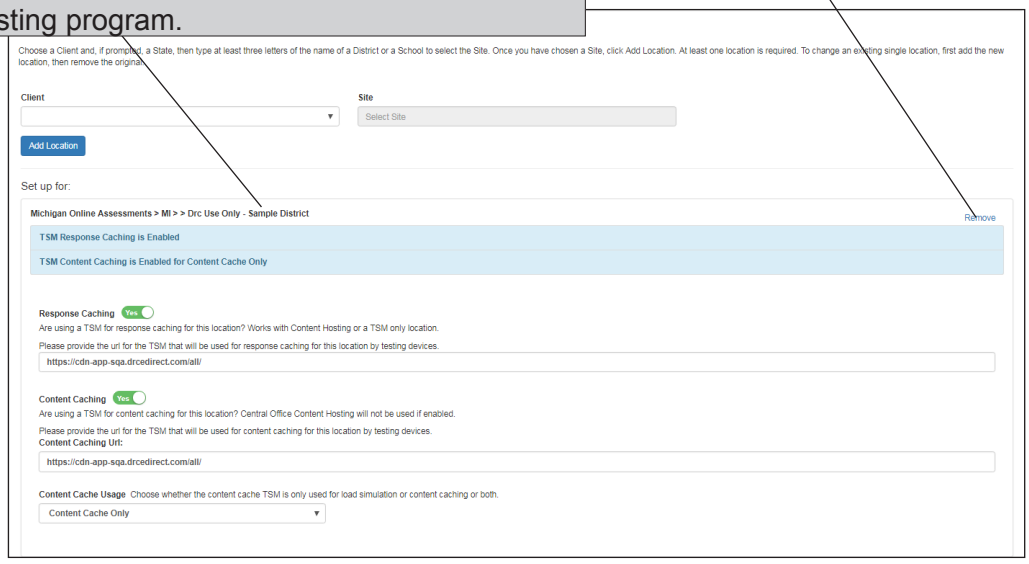
You can copy the ORG Unit ID from the Locations page. You use this ORG Unit ID when you register a testing device with this configuration to test with INSIGHT.

The System Readiness Check access code—**7745**—displays underneath the Org UNIT ID on each COS - Device Toolkit Locations page. You enter this code to launch the System Readiness Check on a testing device after you install INSIGHT (see page 47).

2. To add a location, select it using the Testing Program menu and Site field and click **Add Location**.

Note: You can use the Locations page to specify multiple locations for testing devices that are used for different testing programs, such as ACCESS for ELLs 2.0 and your state testing program.

3. The Locations page reappears with the location added. To remove a location, click **Remove**.



Working with Locations (cont.)

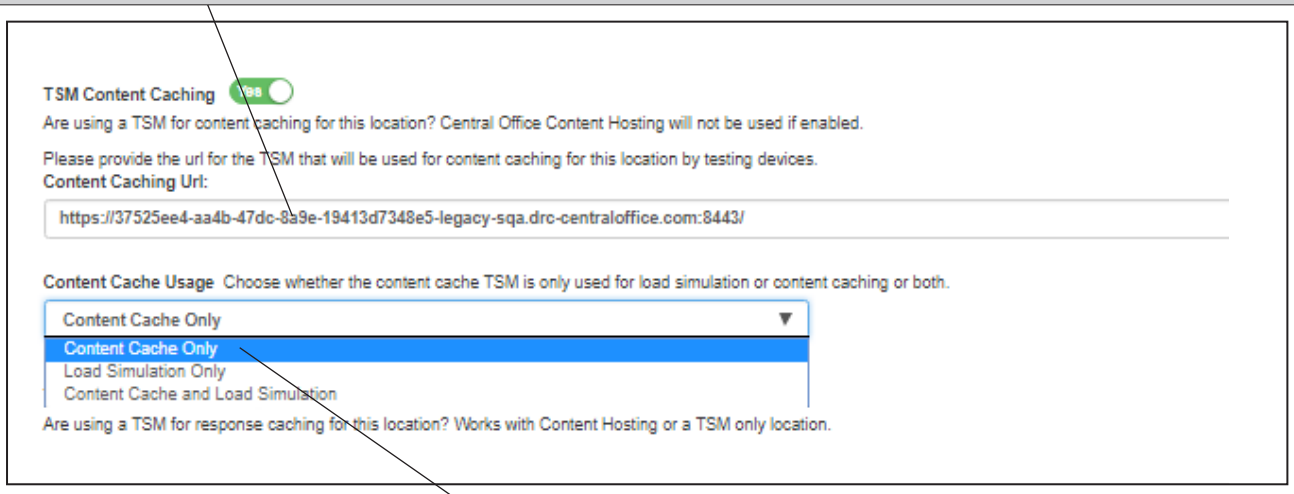
Important: *Starting with version 9.0.1_0, the TSM includes a TSM server domain name (If you did not save this information when you installed the TSM, you can retrieve it by starting the TSM.) Upon startup, the TSM sends its IP address to the registration API for DNS resolution. If the IP address of a TSM machine changes, when INSIGHT is restarted it automatically updates the testing device's TSM configuration to reflect the change. In general, a TSM server should have a static IP address (an IP address that does not change when the computer is restarted or rebooted). Remember to include the forward slash (/) at the end of the path to the TSM server—without it, your TSM will not be configured correctly.

4. You can specify content caching for any location that you choose. To specify content caching, toggle the Content Caching option to **Yes** and enter or paste the TSM server domain name* (from the TSM) for the content caching TSM, prefixed with https:// and followed by a colon, the port number, and a forward slash (/), in the Content Caching URL field in the screenshot below. An example of the correct format is shown below. Do not use the example; it is an example only.

Example

https://37525ee4-aa4b-47dc-8a9e-19413d7348e5-legacy-sqa.drc-centraloffice.com:8443/

Note: The response caching and content caching TSM can be the same machine.



5. Use the Content Cache Usage drop-down menu options to indicate the functions for which the TSM will be used:

- Content Cache Only
- Load Simulation Only
- Content Cache and Load Simulation

Important: Select **Load Simulation Only** or **Content Cache and Load Simulation** only when you are actually conducting a load simulation test using a TSM and a set of student testing devices. Prior to actual student testing (when students are logging in and taking tests), be sure to disable load simulations for the TSM by selecting **Content Cache Only**.

Working with Locations (cont.)

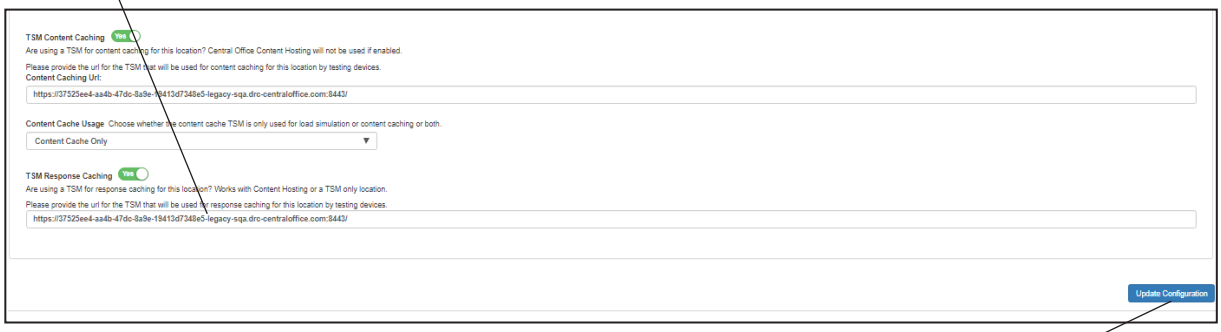
6. You also can specify response caching for any location that you choose. To specify response caching, toggle the TSM Response Caching option to **Yes** and enter or paste the TSM server domain name* (from the TSM), prefixed with https:// and followed by a colon, the port number, and a forward slash (/), in the field below.

An example of the correct format is shown below. Do not use the example; it is an example only.

Example

https://37525ee4-aa4b-47dc-8a9e-19413d7348e5-legacy-sqa.drc-centraloffice.com:8443/

Note: The response caching and content caching TSM can be the same machine.

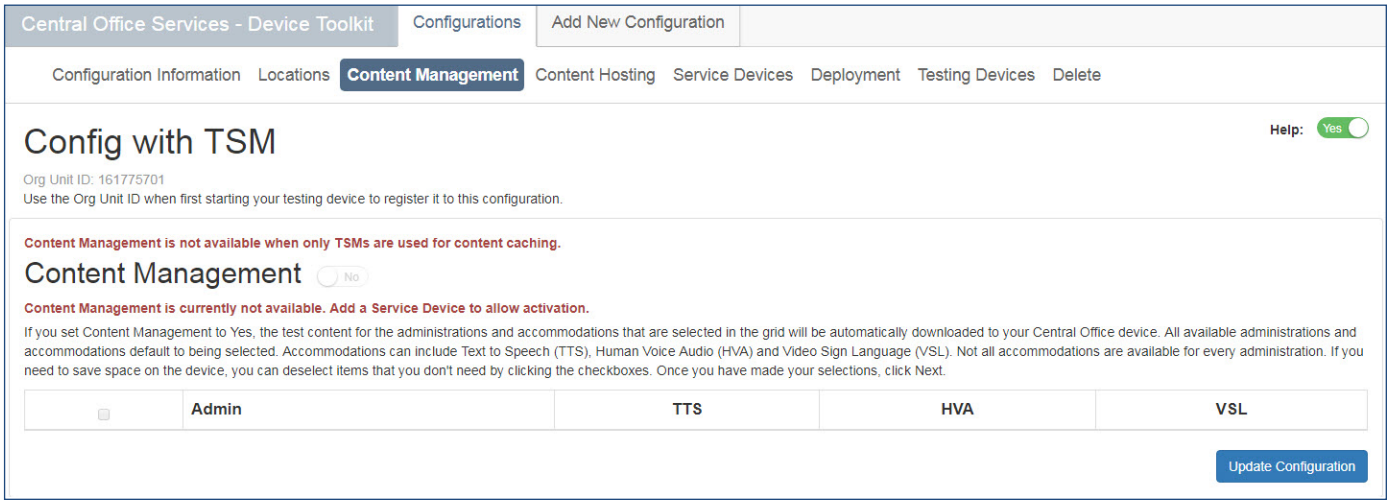


7. When you are finished making updates, click **Update Configuration**. A message appears to confirm that the configuration was updated.

Working with Content Management

Use the Content Management page to enable or disable Content Management and change the selected administrations and accommodations.

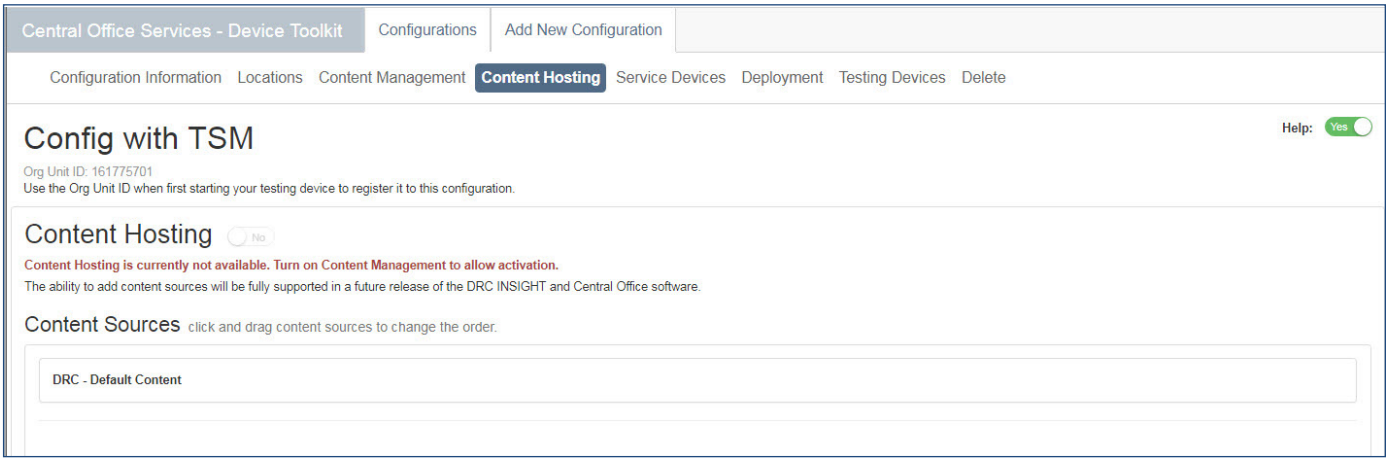
COS **Central Office Services:** The Content Management functionality is part of the Central Office Services interface but is unavailable for the COS - Device Toolkit.



Working with Content Hosting

Use the Content Hosting page to enable or disable Content Hosting, and to update, add, or change the order of or remove the content sources.

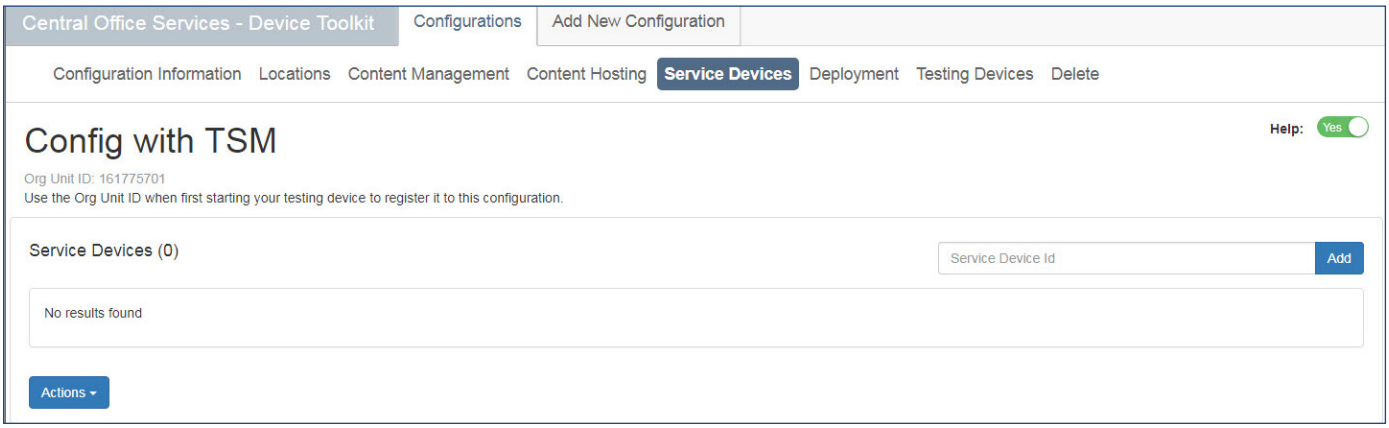
Central Office Services: The Content Hosting functionality is part of the Central Office Services interface but is unavailable for the COS - Device Toolkit.



Working with Service Devices

Use the **Service Devices** page to view the current status of the service device(s) associated with the configuration and to add service devices to, or remove them from, a configuration.

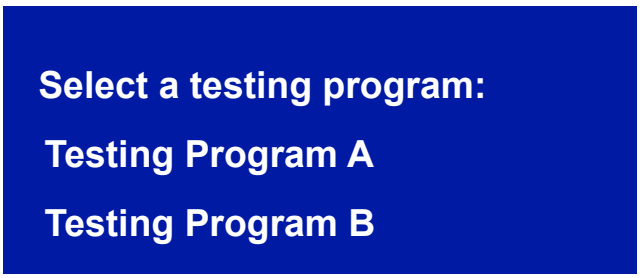
Central Office Services: The Service Device functionality is part of the Central Office Services interface but is unavailable for the COS - Device Toolkit.



Creating Configuration Files for Multiple Testing Programs

You can use one testing device for more than one type of testing program (for example, ACCESS for ELLs 2.0 and your state-specific testing program). The following is a brief overview of this process, which is detailed further in "Creating a Deployment File for Testing Devices" on page 39.

1. First, select the **Device Toolkit** from eDIRECT and use the COS - Device Toolkit to create a configuration containing both of the testing programs as locations for testing.
2. Next, deploy the configuration to the testing device. When a user starts INSIGHT on the testing device, the user can select from the testing programs located in the configuration (see the generic example below).



❑ **Deployment Files, Configurations, and the TSM**

Each TSM you use must be identified in the COS - Device Toolkit.

Important: To prevent potential issues and avoid overloading a TSM during testing, DRC recommends that each configuration should be configured to use a unique TSM (see the scenario below).

Scenario: Potential TSM Overload

Even if you limit the number of testing devices per configuration, the possibility exists to overload the TSM by stacking configurations.

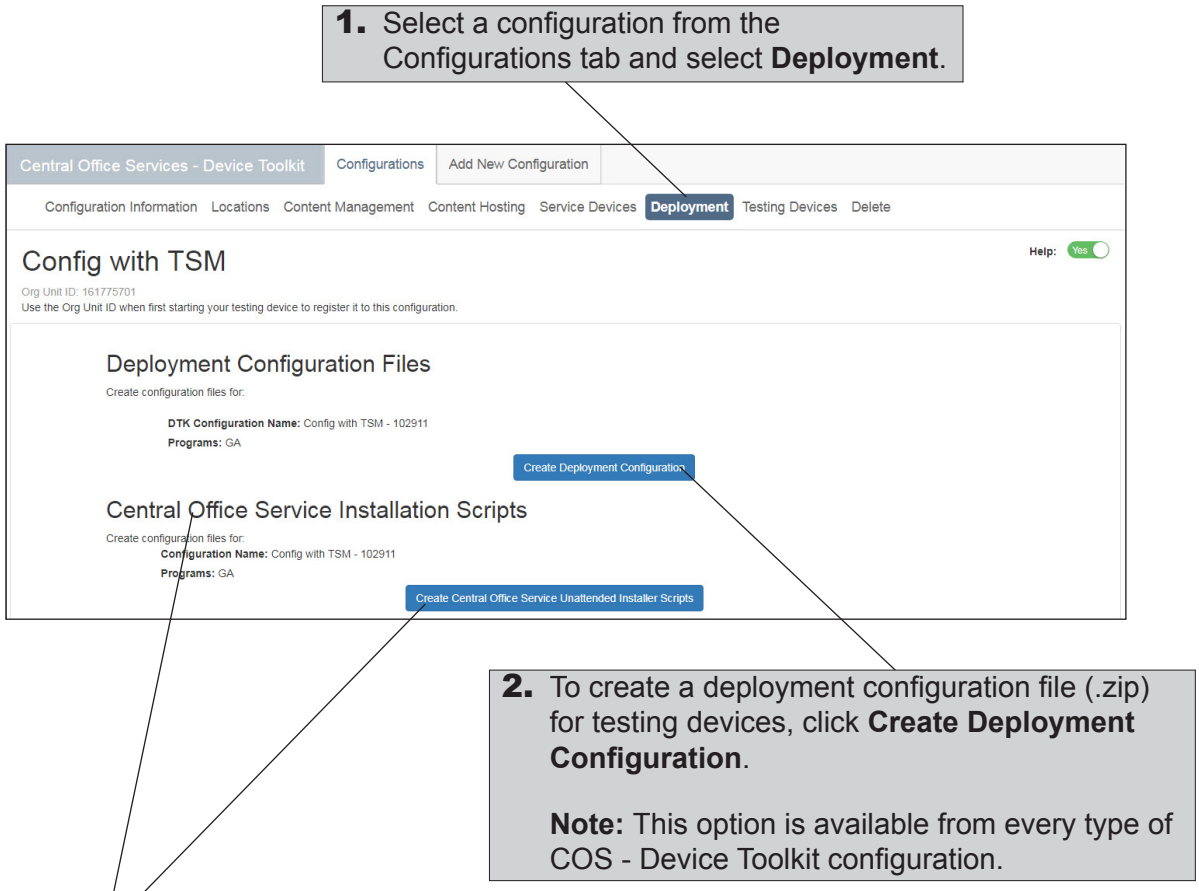
Assume the following:

1. You configure configuration A with a TSM for testing, create a deployment file, and use this configuration for one group of testing devices.
2. You configure configuration B with the same TSM, create a deployment file, and use this configuration for a different set of testing devices.
3. You use both configurations to perform testing.

The potential may exist for too many testing devices to simultaneously access the same TSM, which could overload the TSM. For details regarding the number of concurrent testers and system requirements, refer to the latest version of the *DRC INSIGHT Online Learning System Supported System Requirements* available at your state's eDIRECT site by navigating to **All Applications–General Information–Downloads** and clicking **View System Requirements**.

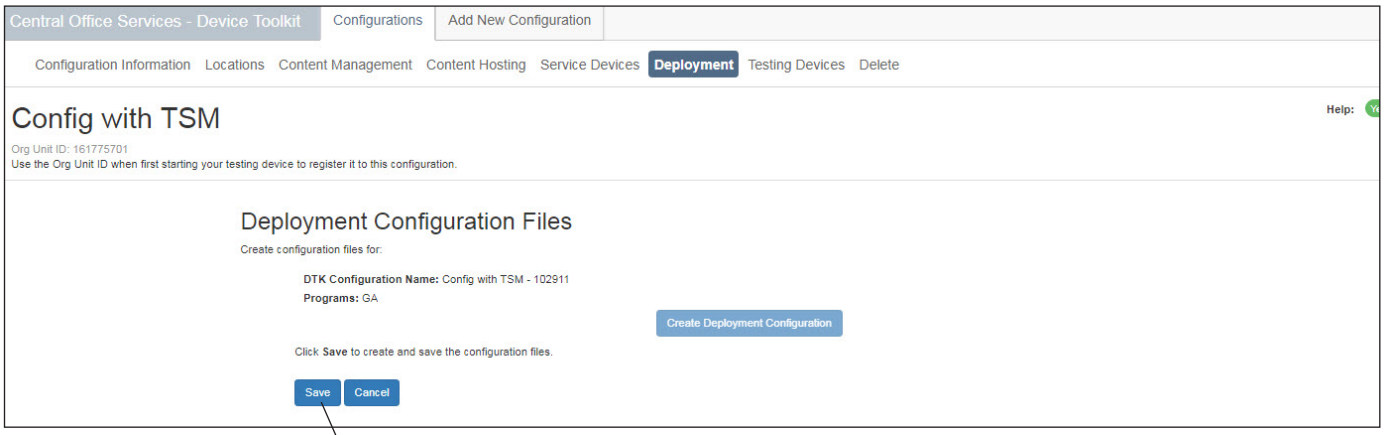
Creating Deployment Files for Testing Devices

You can use the COS - Device Toolkit to create a deployment file for testing devices using an existing configuration. You use this file to configure your testing devices when you install INSIGHT silently (non-interactively or in batch mode). You also can use the COS - Device Toolkit to create unattended installer scripts to install DRC INSIGHT silently (non-interactively).

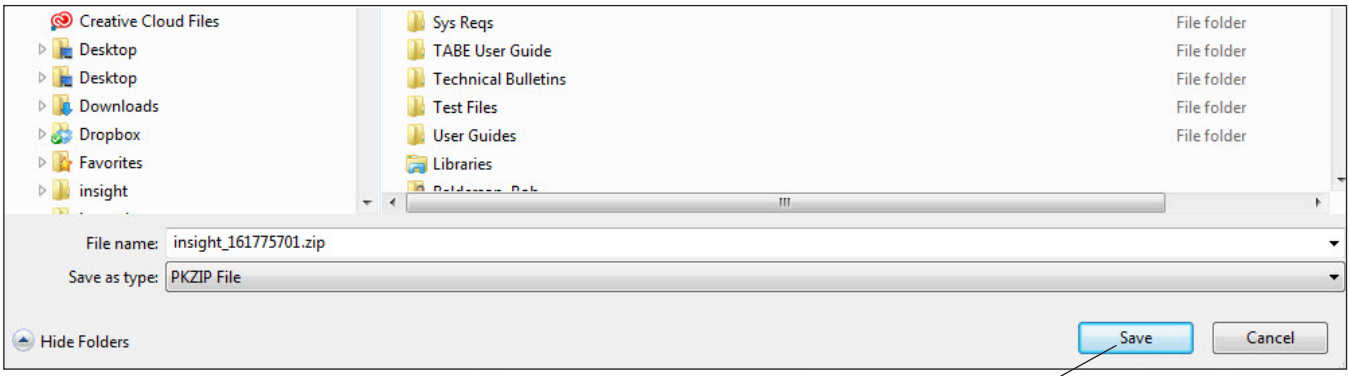


Central Office Services: The **Central Office Service Installation Scripts** section of the page and the associated **Create Central Office Service Unattended Installer Scripts** button are not part of the COS - Device Toolkit.

Creating Deployment Files for Testing Devices (cont.)



3. Click **Save** to create a configuration file (or **Cancel** to cancel the process).



4. When you click **Save**, a box appears that allows you to specify where to download the deployment configuration file (.zip).

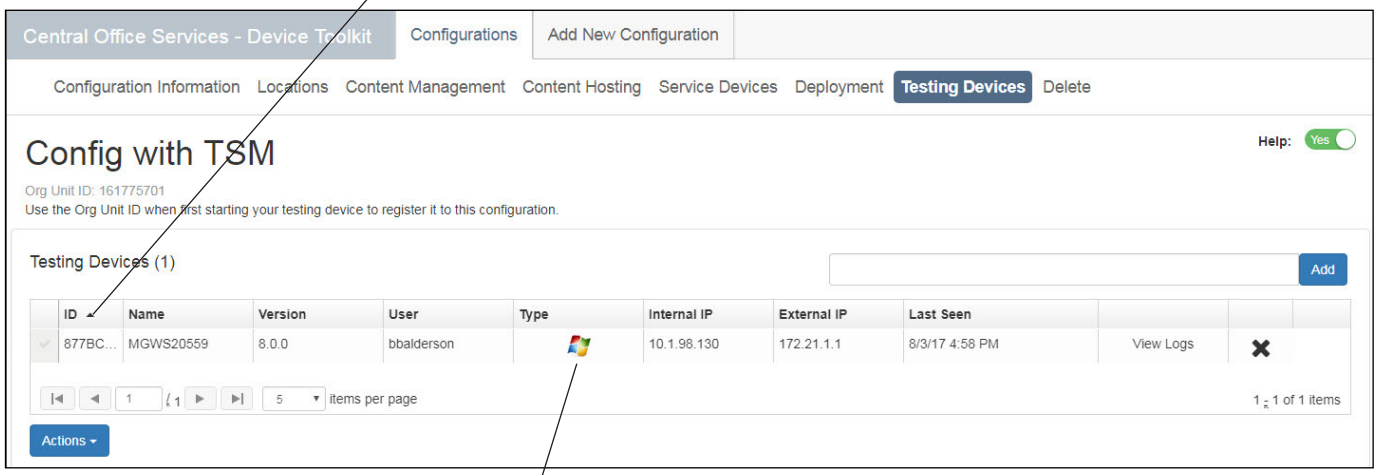
For a description of the files contained in this file, see “COS - Device Toolkit Deployment Files and Silent Installation” on page 17 and “Example Deployment File Templates” on page 18.

For more information about deployment files, see *Volume IV: DRC INSIGHT*.

Working with Testing Devices

Select a configuration from the Configurations tab and select **Testing Devices** to view the list of testing devices that are currently part of the configuration. You can sort the list using certain column headings. You also can move testing devices, remove testing devices, and reload (refresh) the display. In addition, you can edit the configuration by adding testing devices, and you can view the log files for a testing device.

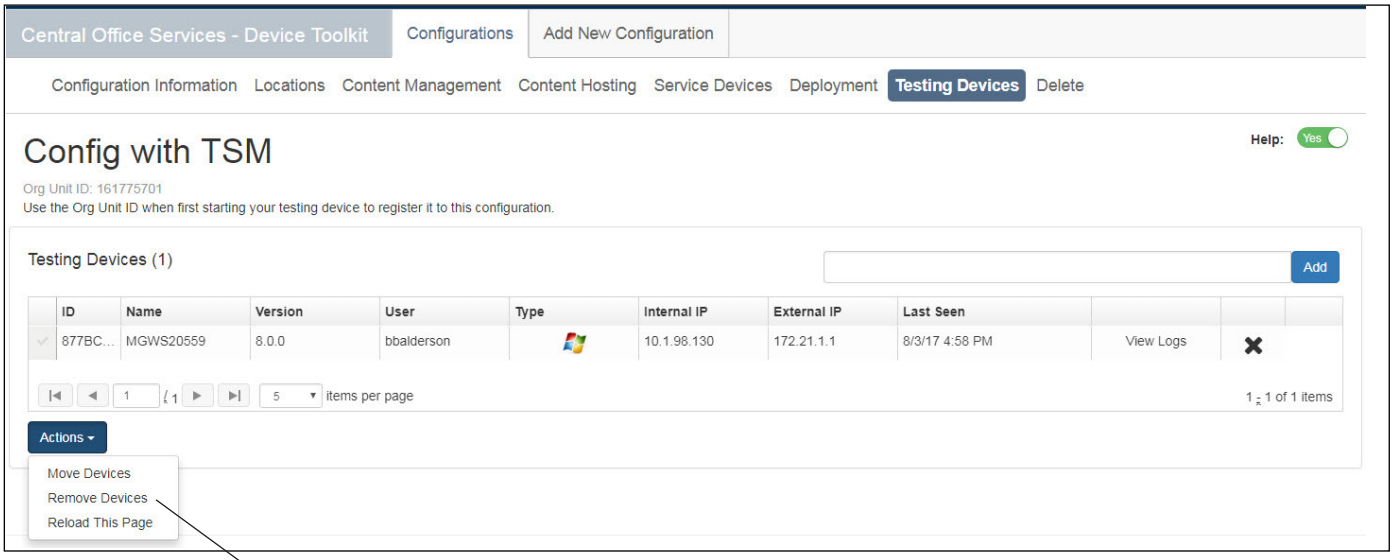
You can sort the list of testing devices in a configuration by clicking the following column headings: **ID** (Device ID), **Internal IP**, **External IP**, and **Last Seen**. When you click the heading, an up (▲) or down (▼) arrow appears in the column heading, indicating whether the sort is in ascending (up arrow) or descending (down arrow) order. Click the header again to change the sort order.



Field	Description
ID	The unique alphanumeric Device ID that Central Office created for the testing device
Type	An icon representing the testing device type. The icons and their respective testing device type or operating system are shown below. **Icon** **Testing Device Type** Chromebook device iPad Mac (OS X and macOS) Windows
IP	The internal IP address of the testing device
Last Seen	The date and time (Central Time) the testing device was last used for INSIGHT testing
x	The remove testing device option (Click the **x** to remove the testing device from the configuration. A dialog box is displayed that confirms the removal.)

Moving, Removing, and Reloading Testing Devices

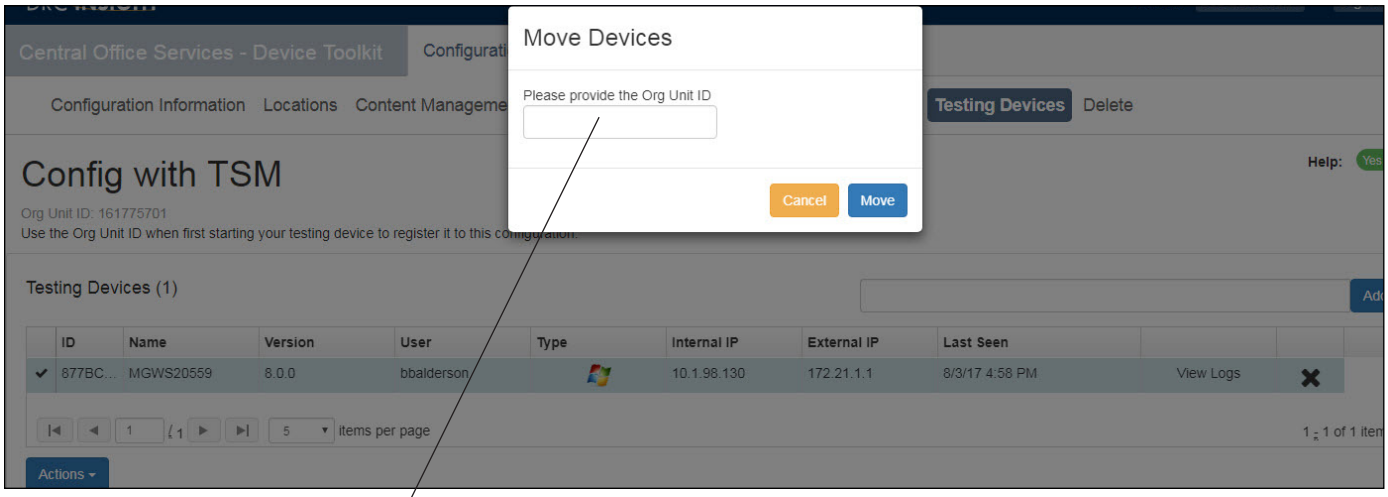
You can use the COS - Device Toolkit to move testing devices between configurations, remove testing devices from configurations, and reload (refresh) the page.



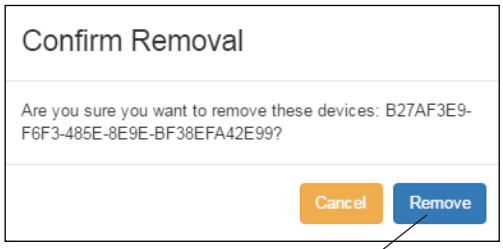
1. Select **Testing Devices** for the correct configuration. To move, remove, or reload testing devices, select each device by clicking the checkmark next to it and use the Actions drop-down menu to select the correct option.

Option	Description
Move Devices	This option moves each selected testing device to a different configuration. You are prompted to supply the ORG Unit ID for the target configuration.
Remove Devices	This option removes each selected testing device from the current configuration. A dialog box is displayed that confirms the removal. You also can remove a device by clicking the **x** in the rightmost device field.
Reload This Page	This option refreshes the display using the latest information about the current testing devices.

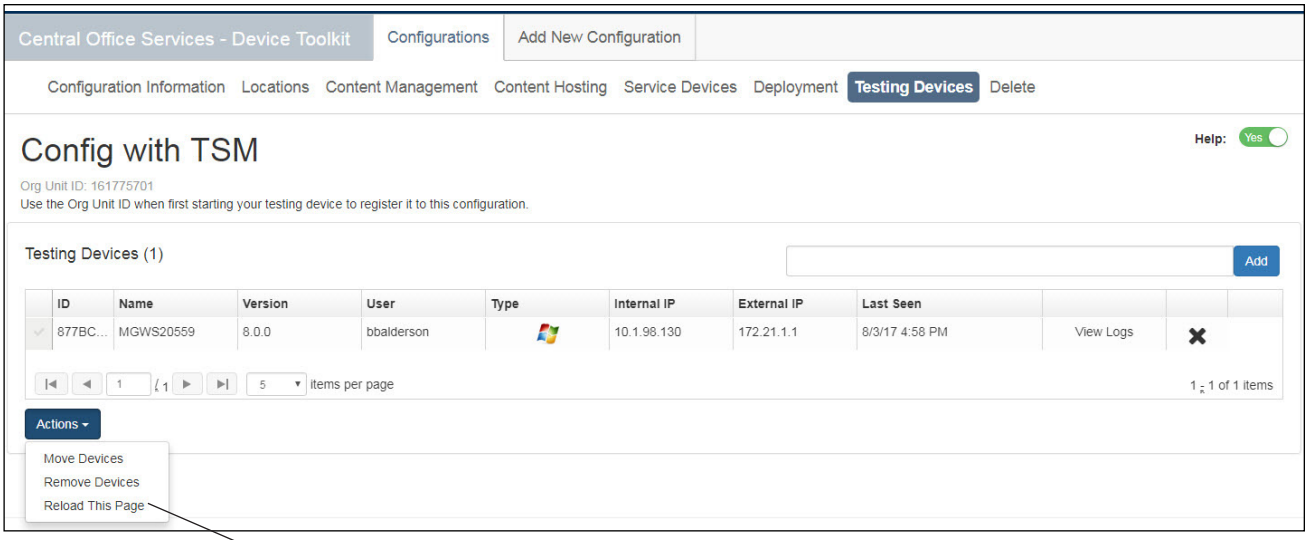
Moving, Removing, and Reloading Testing Devices (cont.)



2a. If you attempt to move a device, the Move Devices dialog box appears. Enter the testing device's target ORG Unit ID and click **Move** to move the testing device (or **Cancel** to cancel the move).



2b. If you attempt to remove a device, the Confirm Removal dialog box appears. Click **Remove** to remove the testing device from the configuration (or **Cancel** to cancel the removal).



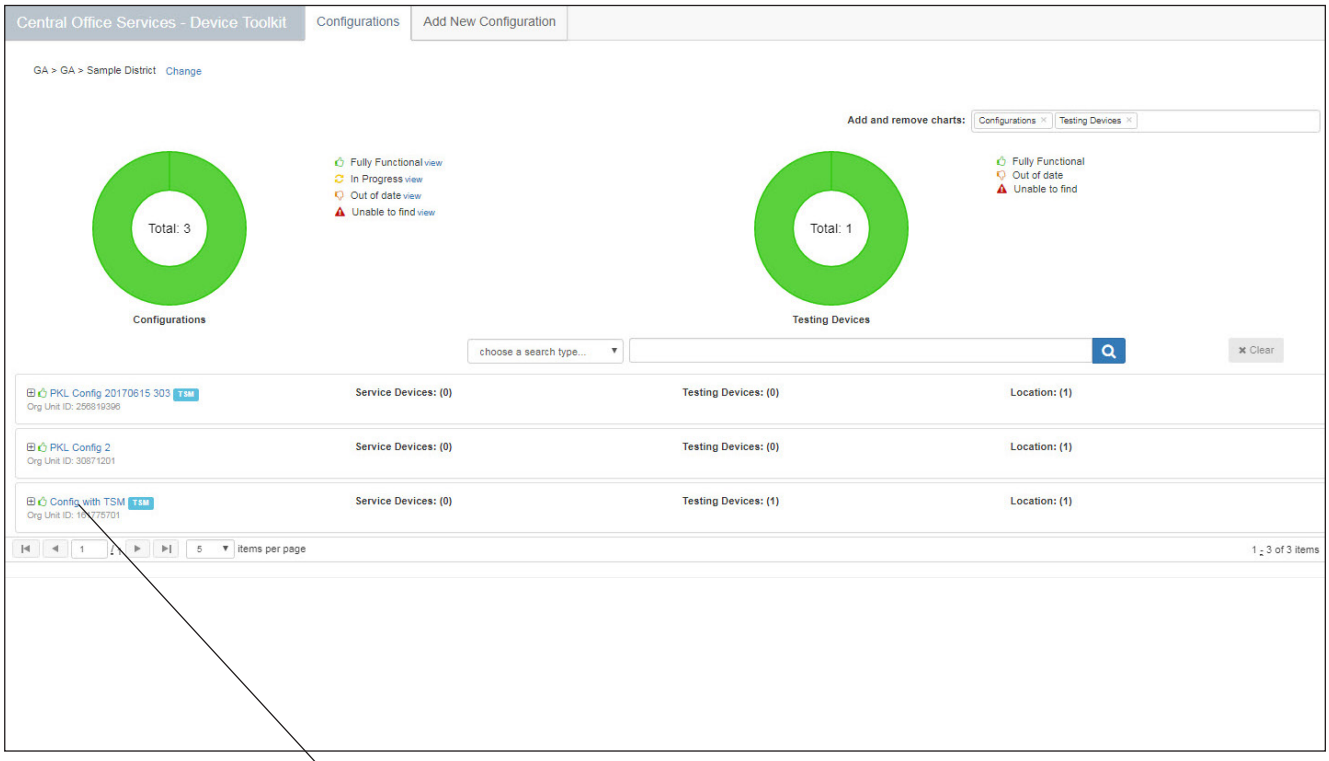
3. After you move or remove a device, you can select **Reload This Page** from the Actions drop-down menu to refresh the display with the latest information and to verify any changes that you made.

Moving Testing Devices between Districts and/or Schools

You can use the COS - Device Toolkit to move one or more testing devices between districts and/or schools without having to uninstall and reinstall each testing device. To perform this process, move the testing device from its current configuration (the source configuration) to a target configuration for a different district and/or school.

Note: This process is useful for keeping your testing devices organized. For testing purposes, testing devices do not have to be in their designated district or school—any student at any school can test on any testing device. The COS - Device Toolkit settings are basically used to indicate whether automatic INSIGHT software updating (Auto Update) is enabled and to provide the connection information for a proxy host, content caching, and response caching.

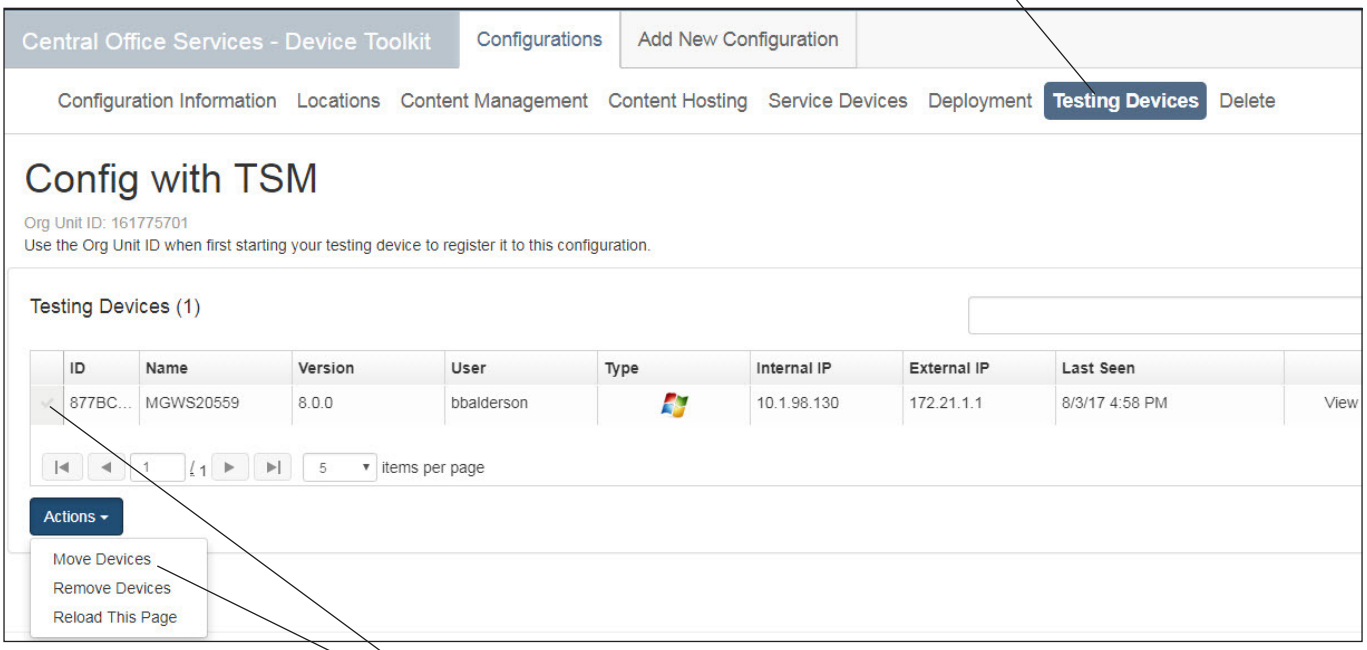
Important: To perform this process, you must have the correct permissions to access multiple districts and/or schools. You also must be able to locate the testing devices in the source configuration and know the target configuration's ORG Unit ID.



1. To move one or more testing devices to a different district or school (configuration), from the COS - Device Toolkit, select the source configuration from the dashboard.

Moving Testing Devices Between Districts and/or Schools (cont.)

2. When the source configuration appears, select **Testing Devices**.

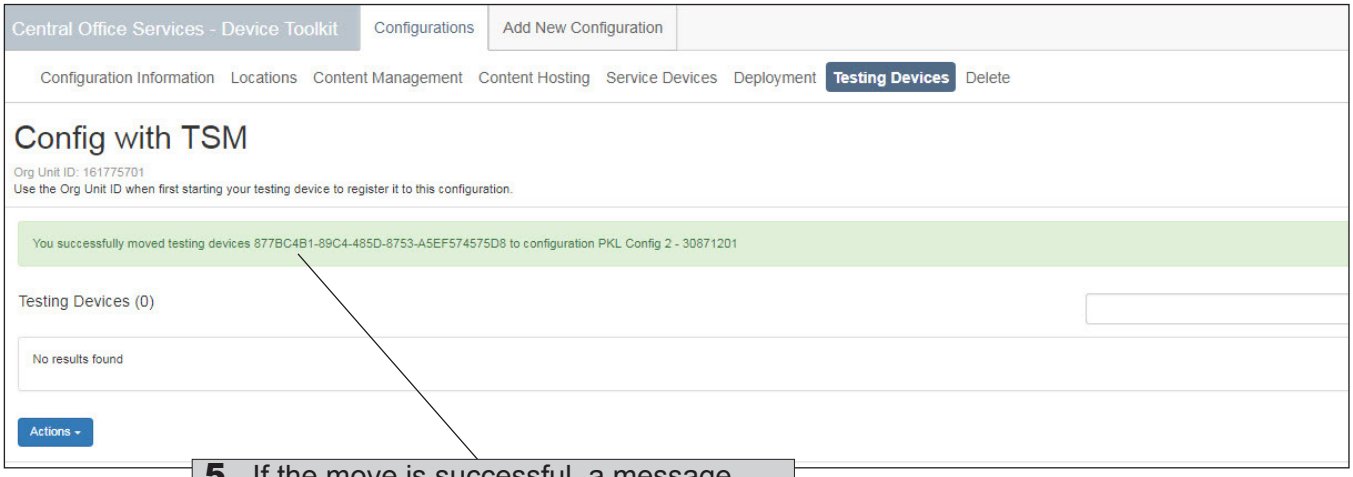


3. Enter a checkmark next to each testing device you want to move and use the Actions drop-down menu to select **Move Devices**.

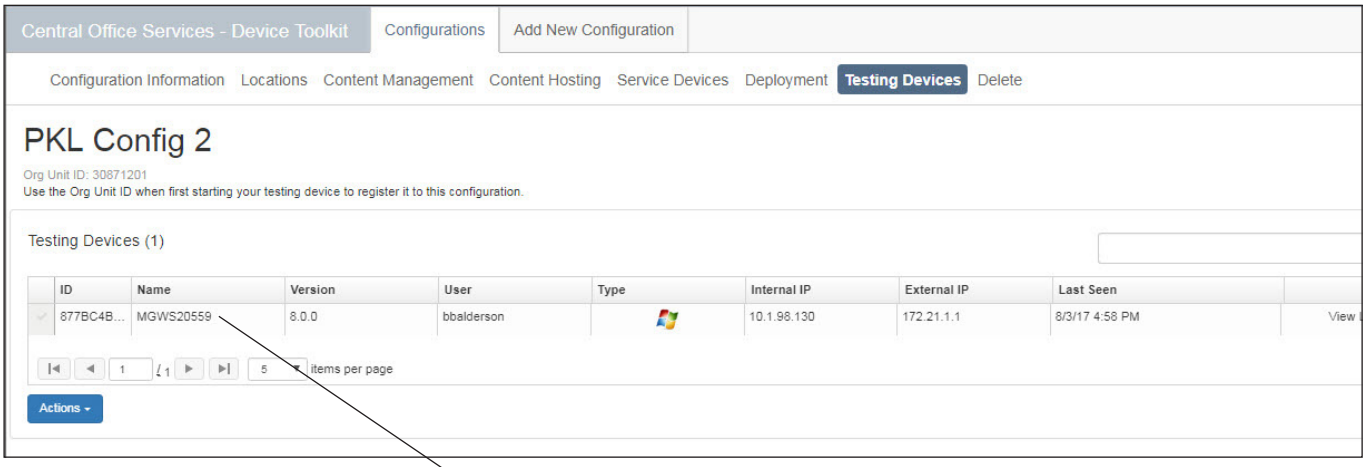
Note: If necessary, use your browser to search by Device ID to locate a testing device.

4. When the Move Devices dialog box appears, enter the ORG Unit ID of the target configuration in the field that appears and click **Move.**

Moving Testing Devices between Districts and/or Schools (cont.)



5. If the move is successful, a message appears that indicates the configuration to which the device was moved.

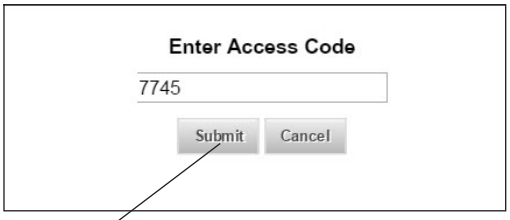


6. To verify the device was moved, select click the Configurations tab to display the dashboard, select the target configuration, and select **Testing Devices**. The testing device should appear on the Testing Devices page of the target configuration.

Moving Testing Devices between Districts and/or Schools (cont.)

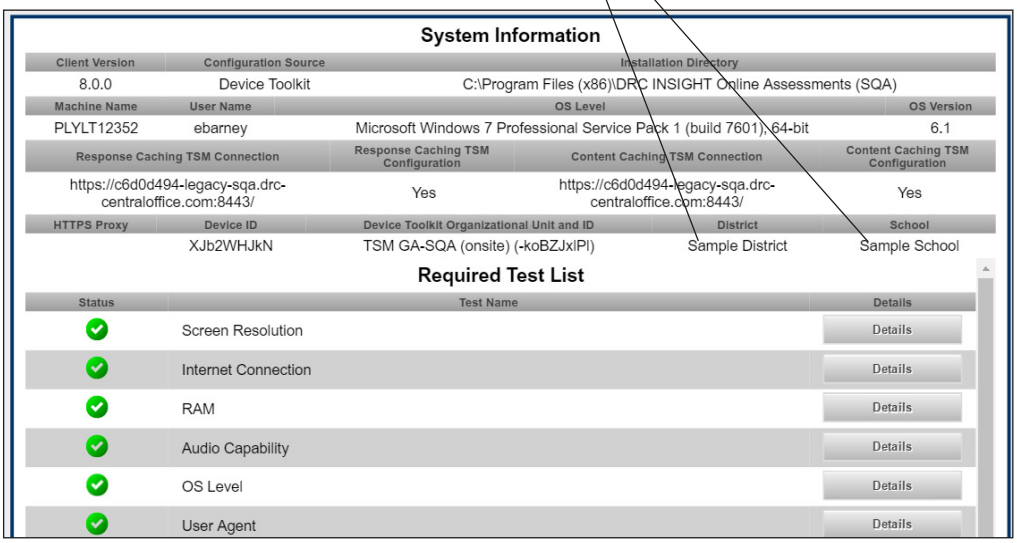
7. Steps 7–9 are optional steps you can perform to further verify that the move process was successful.

Start DRC INSIGHT on the testing device and open the System Readiness Check by clicking the checkmark in the lower left corner of the main INSIGHT testing page.



8. When prompted, enter the access code **7745** in the Enter Access Code field and click **Submit**.

9. On the System Information page that appears, the District column and/or the School column should indicate the target location.



System Information

Client Version	Configuration Source	Installation Directory		
8.0.0	Device Toolkit	C:\Program Files (x86)\DRC INSIGHT Online Assessments (SQA)		
Machine Name	**User Name**	**OS Level**		**OS Version**
PLYLT12352	ebarney	Microsoft Windows 7 Professional Service Pack 1 (build 7601), 64-bit		6.1
Response Caching TSM Connection	**Response Caching TSM Configuration**	**Content Caching TSM Connection**		**Content Caching TSM Configuration**
https://c6d0d494-legacy-sqa.drc-centraloffice.com:8443/	Yes	https://c6d0d494-legacy-sqa.drc-centraloffice.com:8443/		Yes
HTTPS Proxy	**Device ID**	**Device Toolkit Organizational Unit and ID**	**District**	**School**
	XJb2WHJkN	TSM GA-SQA (onsite) (-koBZJxlPl)	Sample District	Sample School

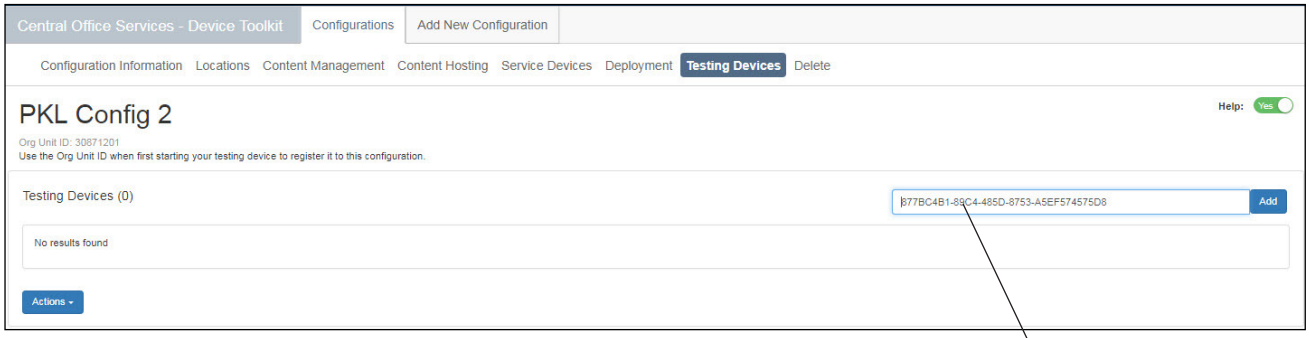
Required Test List

Status	Test Name	Details
✓	Screen Resolution	Details
✓	Internet Connection	Details
✓	RAM	Details
✓	Audio Capability	Details
✓	OS Level	Details
✓	User Agent	Details

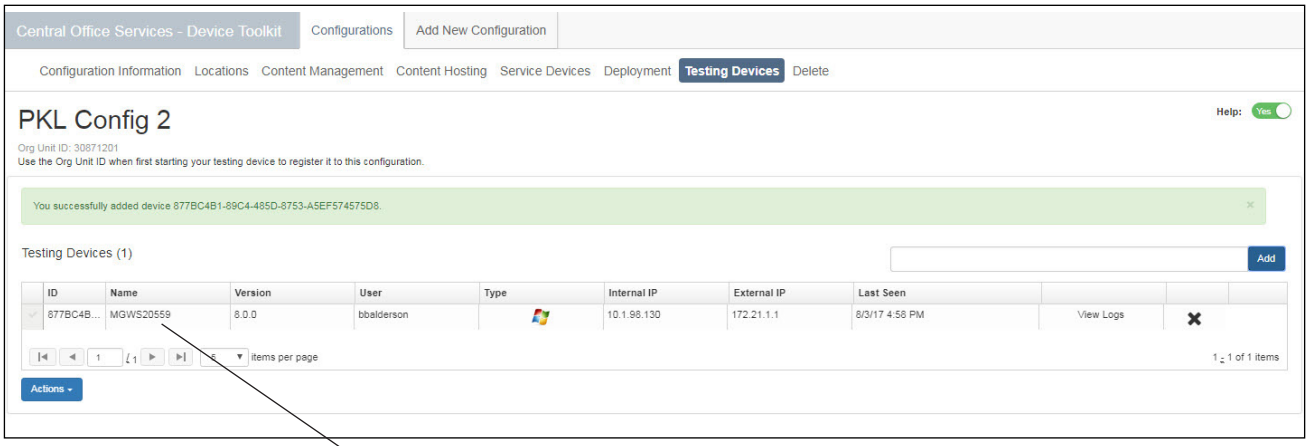
Adding Testing Devices by Device ID

You can use the COS - Device Toolkit to add testing devices to a configuration to organize your testing devices for testing. To add a testing device, you must know the Device ID.

Note: If you add a device from one configuration to another configuration, the device is moved from the first configuration into the second configuration.



1. Select **Testing Devices** for the correct configuration, enter the Device ID of the testing device in the Add field, and click **Add** to add the testing device.

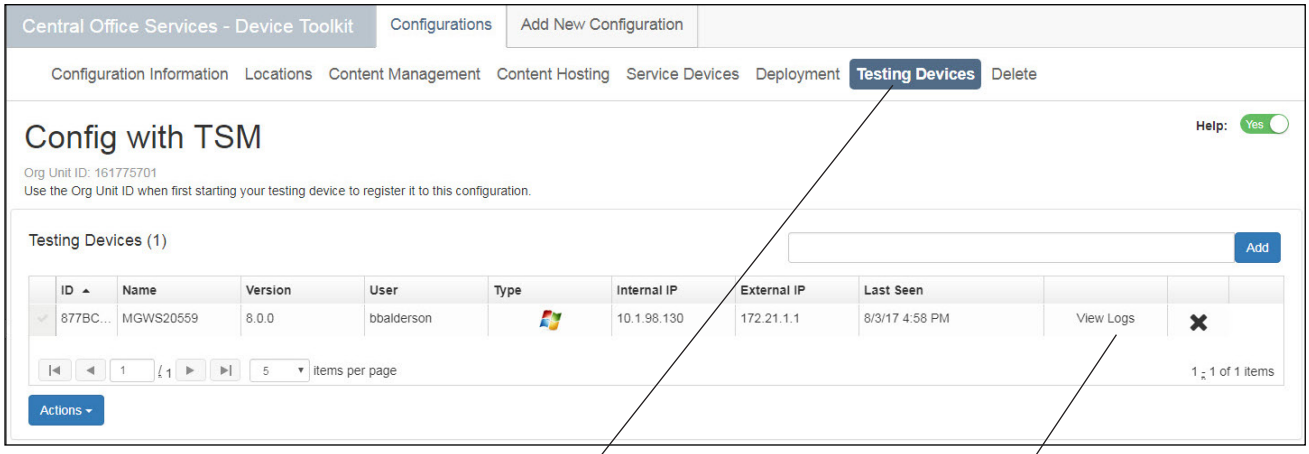


2. The Testing Devices grid reappears with the testing device added to the configuration. (You may need to select **Reload This Page** from the Actions drop-down menu to refresh the display.)

Note: The Device ID is not the testing device's serial number.

Viewing Testing Device Log Files

You can use the COS - Device Toolkit log files to review system information about the testing devices assigned to a configuration. The log entries are stored for 30 days.



1. Select a configuration and select **Testing Devices**.

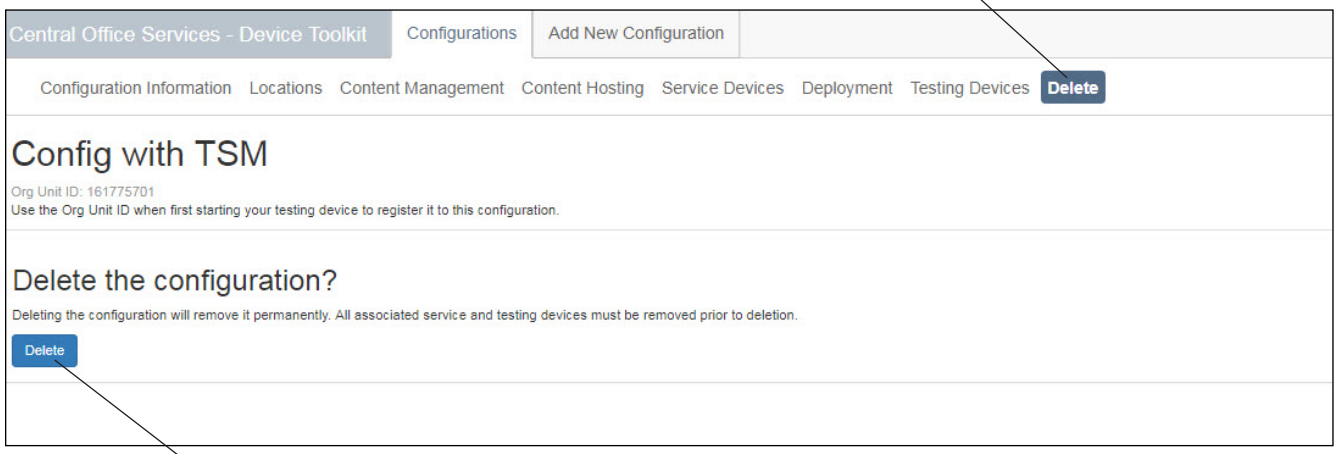
2. Click **View Logs** for the device whose log files you want to view.

3. System information about the device appears. You can view the time an incident was logged, the Device ID, and the message.

Deleting Configurations

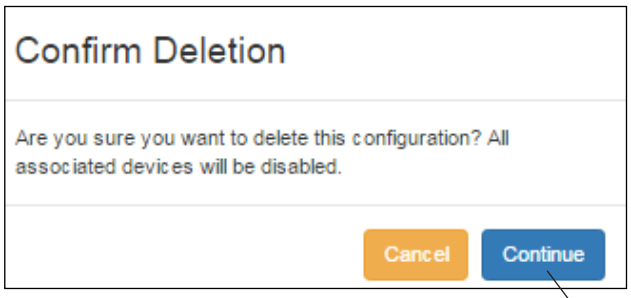
You can use the COS - Device Toolkit Delete to delete a configuration. To delete a configuration, all of the testing devices and TSMs associated with the configuration must be removed from the configuration (see "Moving, Removing, and Reloading Testing Devices" on page 50).

1. Select a configuration and select **Delete**.



2. Click **Delete** to delete the configuration from the Central Office Services database.

Note: You must remove all of the configuration's TSMs and testing devices before you can delete the configuration.



3. When you click **Delete**, if there are no TSMs or testing devices associated with the configuration, the Confirm Deletion dialog box appears, allowing you to verify your decision. Click **Continue** to delete the configuration (or **Cancel** to cancel the deletion).

Notes

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