



Installing and Configuring DRC INSIGHT on iPads and Chromebooks

Produced by
Data Recognition Corporation (DRC)
13490 Bass Lake Road
Maple Grove, MN 55311

Nebraska Customer Service: 1-866-342-6280
Website: <https://ne.drctdirect.com>
Email: necustomerservice@datarecognitioncorp.com
Revision Date: September 29, 2014

Copyright © 2014 by the Nebraska Department of Education

Nebraska State Accountability assessments and Check4Learning are administered by the Nebraska Department of Education (NDE)
301 Centennial Mall South
P.O. Box 94987
Lincoln, Nebraska 68509
(402) 471-2495.

The assessment contractor is Data Recognition Corporation (DRC).
DRC can be reached by calling toll-free (866) 342-6280, by emailing necustomerservice@datarecognitioncorp.com,
or by faxing (763) 268-2540.

No part of this publication may be reproduced or distributed in any form or by any means, or stored in a database or retrieval system,
without the prior written permission of the publisher.

The following items in DRC INSIGHT are protected by copyright law:

- The User Guide.
- All text and titles on the software's entry and display, including the look and feel of the interaction of the windows, supporting menus, pop-up windows, and layout.

DRC INSIGHT Online Learning System and DRC eDIRECT are trademarked by Data Recognition Corporation.

Any individuals or corporations who violate these copyrights and trademarks will be prosecuted under both criminal and civil laws, and
any resulting products will be required to be withdrawn from the marketplace.

The following are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries:

Internet Explorer
Microsoft
Windows
Windows Vista
Windows XP
Windows 7
Windows 8

The following are trademarks or registered trademarks of Apple Corporation in the United States and/or other countries:

Apple
Macintosh
Mac
OS X
iPad
iOS*
*iOS is a trademark or registered trademark of Cisco in the U.S. and other countries and is used under license.
Safari

The following are trademarks or registered trademarks of Google Corporation in the United States and/or other countries.

Chrome
Chromebook

The following is a trademark or registered trademark of Mozilla Corporation in the United States and/or other countries.

Firefox

Linux is a registered trademark of Linus Torvalds.
Ubuntu and Canonical are registered trademarks of Canonical Ltd.
Gnome is a trademark of the Gnome Foundation.

■ Introduction	DRC INSIGHT Online Learning System6
	INSIGHT Web Browser and INSIGHT Server.....6
	Testing Site Manager (TSM)6
■ Configuration	What’s Covered in This Section.....10
	Nebraska Configuration Information.....10
	Testing Checklist for iPads and Chromebooks11
	Installation Files.....12
	INSIGHT System Requirements.....13
	INSIGHT Requirements for iPad Devices.....13
	INSIGHT Requirements for Chromebook Devices.....14
	Distributing and Configuring INSIGHT to iPad Devices.....15
	Web Browser Requirements.....16
■ iPad Installation	What’s Covered in This Section.....18
	Installing and Configuring INSIGHT Using an MDM.....18
	Installing INSIGHT Using an MDM and Configuring it Manually.....19
	Installing a TSM20
	iPads, Chromebooks, and the TSM.....20
	Installing INSIGHT for iOS Using an MDM21
	INSIGHT Installation Program Options23
	INSIGHT Installation Program Options (cont.).....24
	Configuring an iPad Manually25
	Setting DRC INSIGHT Properties on an iPad26
■ Chromebook Installation	What’s Covered in This Section.....32
	Connecting to a TSM.....32
	Installing a TSM33
	Tablet Devices, Chromebooks, and the TSM33
	Quick Tour: Installing INSIGHT for Chrome.....34
	DRC INSIGHT Device Toolkit.....37
	ORG Units37
	Creating and Deleting ORG Units.....38
	Configuring the TSM39
	Adding Devices.....41
	Registering Devices42
	Moving Devices.....43
	Removing Devices.....44
	Using Log Files.....45
■ FAQs and Helpful Hints	What’s Covered in This Section.....48
	General Questions.....49
	iPad Questions49
	Chromebook Questions.....50
	Hints.....51

Notes:

Section One: Introduction



■ DRC INSIGHT Online Learning System

This User Guide describes the information necessary to install, configure, and test using the DRC INSIGHT Online Learning System and iPad or Chromebook devices. It contains configuration and installation information for iOS and Chrome operating system environments, describes how to install DRC INSIGHT and its components, and provides tips, techniques, and frequently asked questions (FAQs). Use this Guide with the *DRC INSIGHT Technology User Guide* for complete configuration and installation details about online testing with DRC INSIGHT and its components.

■ INSIGHT Web Browser and INSIGHT Server

DRC INSIGHT delivers assessments and related resources online for all content areas and grade levels by incorporating computerized testing, related resources, dynamic reporting, and a suite of educator tools. It consists of a software interface that is available from a secure web browser and the Testing Site Manager, or TSM, to help manage network traffic, maintain connectivity, and handle bandwidth issues.

■ Testing Site Manager (TSM)

The main component of DRC INSIGHT is the secure web browser testing interface installed on each testing device. This software communicates with the DRC INSIGHT server to provide online tools training and test questions to the test taker and to send responses to the DRC INSIGHT server, which stores them securely. Throughout this User Guide, we refer to the secure web browser interface as simply INSIGHT.

The INSIGHT TSM is a powerful, web-based application that provides caching and a software toolbox to help you plan, configure, and manage your online testing environment. The TSM can cache test content (content caching) and student test responses (response caching). At test time, TSM content caching software sends cached test items to the iPad and Chromebook testing devices. This content must be current in order for students to test.

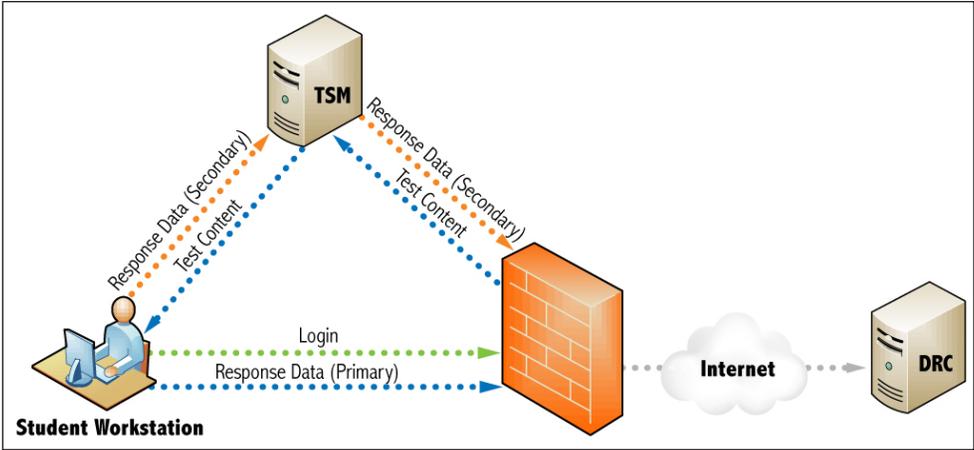


Figure 1-1: TSM Content and Response Caching

Usually, you install the TSM caching software on one or more strategic computers with sufficient bandwidth to help manage and streamline communication between the iPad and Chromebook devices and the DRC INSIGHT server. When you install INSIGHT on your test devices, you configure the those devices to communicate with your TSM computer(s).

During testing, if the test computers cannot communicate with the DRC INSIGHT server, the response caching software buffers and stores their test responses. When the response caching software is communicating with DRC, it sends test responses to the DRC INSIGHT server every fifteen minutes. Even if DRC is not currently communicating with the testing computers, the test responses are still being stored on the TSM for transmission to DRC, so no responses are lost.

TSM response caching is used *during* a test session—students cannot start a test session if there is no communication between the INSIGHT server and the testing device.

Notes:

Section Two: Configuration



■ What's Covered in This Section

The Configuration section describes the specific hardware, software, network, and desktop requirements to configure INSIGHT and the Testing Site Manager (TSM).

This section discusses tasks NeSA-Technology Assessment Coordinators (N-TACs) perform to configure the INSIGHT software environment. N-TACs can configure INSIGHT to use with TSM systems and to connect directly to the DRC servers and databases through the Internet.

This User Guide includes information about the operating systems, software, devices that work with INSIGHT and the TSM. A testing location may use a subset of this offering depending on the location and type of assessment.

■ Nebraska Configuration Information

The specific technical information covered in this User Guide that applies to assessments in Nebraska is shown below. Use this information as reference throughout the User Guide.

Operating Systems

Chrome OS
Apple iOS

TSM and Other Options

Response Caching
Content Caching
Capacity Estimator
Load Simulation Testing
Ping Trends

■ Testing Checklist for iPads and Chromebooks

The following is a checklist of items N-TACs must verify and complete before testing with iPads and Chromebooks.

- ✓ Ensure that the device is connected to the correct Wi-Fi network.
- ✓ Ensure that the latest version of the DRC INSIGHT App is installed on each iPad device.
- ✓ Ensure that all testing devices are fully charged or plugged in.
- ✓ Ensure that the device's soft keyboard is set to English.
- ✓ Ensure that spell checker, auto-complete, and auto-capitalization are turned off each on iPad device.
- ✓ Enable and activate Guided Access on each iPad device.

■ Installation Files

Different INSIGHT and TSM installations are available for each operating system. The following table lists the file(s) or URL for each type of installation and operating system.

Note: There is no separate installation for accommodations and no accommodation is supported in a Linux environment.

Installation	Operating System	File(s)/URL
INSIGHT	Chrome OS	INSIGHT App ID and URL for each client provided by DRC*
	iOS	ManagedAppConfig.plist DRC INSIGHT.ipa
TSM	Windows	TESTING_SITE_MANAGER_Setup.exe
	Mac (OS X)	TESTING_SITE_MANAGER_Setup.dmg
	Linux	TESTING_SITE_MANAGER_Setup.sh

*The Chrome ID and URL will be provided when the software becomes available on September 29.

INSIGHT System Requirements

This topic covers the minimum and recommended requirements for INSIGHT on Chromebook and iPad testing devices using the supported operating system platforms. These requirements vary based on the accommodations offered.

! **Important:** The minimum level is a low compliance threshold—at this level, the software and/or hardware may not deliver an optimal student testing experience. Devices may struggle with memory and processing power, which can reduce responsiveness and increase response times during testing. DRC advises using the recommended level.

INSIGHT Requirements for iPad Devices

The following table describes the minimum and recommended system requirements for the iPad device.

iPad Devices		
Operating Systems	Minimum	Recommended
Apple iOS	<p>iOS 7.1 or newer (requires an iPad 2 device or newer)</p> <p>Note: Due to the recent release of iOS 8, INSIGHT has not been fully tested on this version of the operating system. iOS 8 may be used, however it is not supported at this time.</p> <p>! Important:</p> <ul style="list-style-type: none"> To distribute the INSIGHT App to iPad devices, you must use a Mobile Device Management (MDM) solution. To mass configure the INSIGHT App for iPad devices, you must use an MDM that supports the Managed App Configuration feature. You also can manually configure the INSIGHT App on each iPad. <p>For more information, see “Distributing and Configuring INSIGHT to iPad Devices” on page 15.</p>	<p>iOS 7.1 or newer (requires an iPad 2 device or newer).</p> <p>Note: Due to the recent release of iOS 8, INSIGHT has not been fully tested on this version of the operating system. iOS 8 may be used, however it is not supported at this time.</p>
Screen Size	A standard iPad 2 device.	Do not use an iPad mini device.
Battery	A fully charged battery with a two-hour life.	A device connected to a plugged-in power supply.
Internet Connectivity	The iPad devices must be able to connect to the Internet via wired or wireless networks.	
Input Device Requirements	<ul style="list-style-type: none"> External keyboards allow students to enter letters, numbers, and symbols, and to use the Shift, Enter, Tab, Return, Delete, and Backspace keys. Students can use tablet touchscreens for some interaction, such as selecting and deselecting, dragging, and highlighting. 	
Other Devices	Headphones, earphones, ear buds, microphones, and stylus	

Table 2-1: System Requirements for iPad Devices

INSIGHT Requirements for Chromebook Devices

The following table describes the minimum and recommended system requirements for Chromebook devices.

Chromebook Devices		
Operating Systems	Minimum	Recommended
Chrome OS	<p>Chrome OS 33</p> <p>To lock down the device for test security, Chromebooks must run on a level of Chrome that supports Single App Kiosk Mode.</p>	Same or newer
Memory	512 MB RAM	1 GB RAM or greater
Processor	500 MHz	1 GHz or faster
Disk Space	100 MB available	Same or more available
Screen Size	9.5 inches or larger	13 inches or larger
Screen Resolution	800 x 600	1024 x 768 or higher
Internet Connectivity	Devices must be able to connect to the Internet via wired or wireless networks.	
Input Device Requirements	Keyboard – wired or wireless, Bluetooth, mouse, or touchpad	
	<p>To meet secure testing requirements, each Bluetooth or wireless keyboard must be configured to pair with only a single device during testing.</p> <p>The input device must allow students to:</p> <ul style="list-style-type: none"> • Select/deselect • Drag • Highlight text, objects, and areas. • Enter letters, numbers, and symbols • Shift, tab, return, delete, and backspace 	
Other Devices	Standard interface devices such as mice, keyboards, touchpads, headphones, microphones, earphones, and ear buds are supported.	

Table 2-2: System Requirements for Chromebook Devices

■ Distributing and Configuring INSIGHT to iPad Devices

There are two main parts to the process of setting up an iPad device to test with the INSIGHT App—distribution and configuration.

- To *distribute* (deploy) the INSIGHT App (DRC INSIGHT.ipa) you must either use an MDM software tool, or deploy the file using any distribution process that supports .ipa files.

MDM software can secure, monitor, manage, and support mobile devices deployed across mobile operators, service providers, and enterprises.

- To *configure* the iPad to work with the INSIGHT App, you have two options:
 - *If your MDM supports the Managed App Configuration feature*, you can use the MDM to deploy the INSIGHT configuration file to all of the iPad devices. In other words, you can centrally configure multiple iPad devices using the MDM.

Using an MDM with the Managed App Configuration feature is the preferred method of distributing the same configuration file to the iPads. It is easier and less error-prone to send the same TSM configuration to multiple iPads versus manually editing the configuration on each device.

- *If your MDM does not support the Managed App Configuration feature*, you can use the MDM to distribute the iPad devices, but you must manually configure each iPad by using the System Readiness Check.

Web Browser Requirements

DRC INSIGHT runs on a custom Chrome web browser to ensure a fully secure testing environment. In addition, the eDIRECT system you use to download INSIGHT and the TSM supports some versions of the web browsers detailed in the following tables.

Operating System	Web Browser(s)
Microsoft Windows	Mozilla Firefox, Google Chrome, Microsoft Internet Explorer
Apple Mac OS X	Mozilla Firefox, Apple Safari, Google Chrome
Linux	Mozilla Firefox, Google Chrome
Apple iOS	Safari for iOS
Chrome OS	Google Chrome

Table 2-3: Supported Web Browsers by Operating System

Web Browser	Minimum	Recommended
Google Chrome	27.x	31.x or newer
Mozilla Firefox	21.x	26.x or newer
Apple Safari	5.x	7.x or newer
Microsoft Internet Explorer	8.x	10.x or newer
Safari for iOS	5.x	6.x or newer

Table 2-4: Minimum and Recommended Web Browser Levels by Browser Type

⚠ Important: The minimum level is a low compliance threshold—at this level, the software and/or hardware may not deliver an optimal student testing experience. DRC advises using the recommended level.

Section Three:

Installing INSIGHT on iPads



■ What's Covered in This Section

■ Installing and Configuring INSIGHT Using an MDM

This section describes the installation process for iPad devices in an iOS environment. It provides detailed information about installing INSIGHT and configuring it to use the Testing Site Manger (TSM).

To install INSIGHT on one or more iPads you must use Apple Mobile Device Management (MDM) software.

The process of installing and configuring INSIGHT on multiple iPads using an MDM is summarized below. This process assumes that you have already installed and set up an MDM solution and have enrolled all the iPads with the MDM.

ⓘ Important: There are many versions of MDM software. To *deploy and configure* your DRC INSIGHT iPad software, your MDM software must support the Managed App Configuration feature for iOS 7 (this feature is necessary to perform Steps 2 and 3). Otherwise, you must configure your iPads manually.

1. Configure the iPad Group

Within the MDM, configure the iPad group to turn off spell check, auto-complete, and auto-capitalization, and enable and activate the Guided Access feature (if your MDM software allows).

2. Configure INSIGHT

Download the DRC INSIGHT executable (DRC INSIGHT.ipa) and configuration (ManagedAppConfig.plist) files from DRC eDIRECT and edit the configuration file to specify your TSM connection and other configuration information for the iPad group.

3. Deploy INSIGHT

Deploy the DRC INSIGHT executable and edited configuration files to your iPads using your MDM software.

4. Prepare your iPads for Testing

When you are ready to start testing, start the iPad, verify that spell check, auto-complete, and auto-capitalization are disabled, and verify that the Guided Access feature is on to put the iPad into Kiosk Mode (required for testing). If it is not, specify **Settings–General–Accessibility–Learning–Guided Access** to turn it on and select **Set Passcode** to set the passcode. Pair the iPad with an external keyboard, if a external keyboard is required, and launch the DRC INSIGHT App.

***Note:** To put the iPad device into Kiosk Mode, NeSA-Technology Assessment Coordinators (N-TACs) must provide a passcode (numeric password). This same passcode information is necessary to exit the INSIGHT App during testing.

■ Installing INSIGHT Using an MDM and Configuring it Manually

The process of installing INSIGHT an MDM and configuring it manually is summarized below. This process assumes that you have already installed and set up an MDM solution and have enrolled all the iPads with the MDM.

1. Configure the iPad Group

Within the MDM software, configure the iPad group to turn off spell check, auto-complete, and auto-capitalization, and enable and activate the Guided Access feature (if your MDM software allows).

2. Download the DRC INSIGHT Executable File

Download the DRC INSIGHT executable (DRC INSIGHT.ipa) file from DRC eDIRECT.

3. Deploy INSIGHT

Deploy the DRC INSIGHT executable to your iPads using your MDM software.

4. Configure INSIGHT Manually

Edit the configuration of each iPad device manually by using the System Readiness Check.

5. Prepare your iPads for Testing

When you are ready to start testing, start the iPad, disable spell check, auto-complete, and auto-capitalization, and verify that Guided Access is on to put the iPad into Kiosk Mode (required for testing). If it is not, specify **Settings–General–Accessibility–Learning–Guided Access** to turn it on and select **Set Passcode** to set the passcode. Pair the iPad with an external keyboard, if an external keyboard is required, and launch the DRC INSIGHT App.

***Note:** To put the iPad device into Kiosk Mode, NeSA-Technology Assessment Coordinators (N-TACs) must provide a passcode (numeric password). This same passcode information is necessary to exit the INSIGHT App during testing.

■ Installing a TSM

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

- The computer on which you install the TSM software should have a static IP address (an address that does not change when the computer is restarted or rebooted) if you are using the machine IP address versus the machine name to connect to the TSM. If the IP address of a TSM machine changes, you must re-configure the testing devices that connect to that TSM.
- You should install the TSM *before* you install INSIGHT so that you can specify the path to the TSM and the communication port during the INSIGHT installation.
- If you need to change the configuration of a TSM after it is installed, you must uninstall the TSM and install a new version. If you re-install a TSM after you have installed INSIGHT, you may need to re-configure the testing devices that connect to it.

■ iPads, Chromebooks, and the TSM

A TSM is used primarily to cache and manage test content and responses. For various reasons, iPads and Chromebooks do not provide a suitable environment for a TSM. As a result, you should install the TSM software on a Windows PC, Mac (OS X) computer, or Linux machine, and connect to the TSM when you install INSIGHT on the tablet device or Chromebook.

For specific TSM installation instructions, refer to the appropriate installation section in the *DRC INSIGHT Technology User Guide*.

Installing INSIGHT for iOS Using an MDM

You install INSIGHT on one or more iPads using any Apple Mobile Device Management (MDM) software. To configure INSIGHT from a central location and distribute the configuration to one or more iPads, you must use an MDM that supports the Managed App Configuration feature. If your MDM software does not support this feature, you must configure INSIGHT manually (see “Configuring an iPad Manually” on page 25).

The following describes the process of installing and configuring DRC INSIGHT using an MDM with the Managed App Configuration feature.

1. Install an MDM.
2. Enroll the iPads with the MDM.
3. If your MDM allows you to configure the iPad group, make the following system settings:
 - Turn spell check off
 - Turn auto-complete off
 - Turn auto-capitalization off
 - Enable and activate Guided Access
4. Go to <http://drccdirect.com/NE/default.aspx/>, log on, and download the DRC INSIGHT executable (DRC INSIGHT.ipa) and configuration (ManagedAppConfig.plist) files from **Test Setup–General Information–Downloads**.
5. In the MDM, edit the DRC INSIGHT configuration file to supply the values for your TSM configuration. You must use the values from the DRCCConfiguration.json file. This file is created whenever you install DRC INSIGHT and contains the parameters you specified when you used the System Readiness Check to configure INSIGHT and the TSM.

If DRC INSIGHT is already installed on a Windows, Mac (OS X), or Linux machine, you can locate the file in the following directories and skip to Step 9. Otherwise, go to Step 6.

Windows: C:\Program Files\ NE Online Assessments\DRCCConfiguration.json

Mac (OS X): Applications\ NE Online Assessment System\DRCCConfiguration.json

Linux

Terminal location: /opt/NE Online Assessment System/DRCCConfiguration.json

Path Location: home/opt/ NE Online Assessment System/DRCCConfiguration.json

6. At this point, you have two options. You can install DRC INSIGHT on a Windows, Mac, or Linux-based desktop computer (not on a Chromebook or iPad) and perform Steps 7–11. Or, refer to “INSIGHT Installation Program Options” on page 23 for a description of the parameters that are in the .json file and use this information to edit the ManagedAppConfig.plist file (Step 9).

Installing INSIGHT for iOS Using an MDM (cont.)

7. Start the System Readiness Check by selecting **All-Programs–NE Online Assessment System–NE Online Assessments–Readiness** (Windows) or **/Applications/NE Online Assessment System/Readiness** (Mac) and click **DRC INSIGHT Properties** in the System information page.
8. Configure the TSM using the drop-down menus and fields from the DRC INSIGHT Client Configuration Properties dialog box and click **Save** to save your changes.

The values from this page are used to create the DRCConfiguration.json file (see “Configuring an iPad Manually” on page 25).

DRC INSIGHT Client Configuration Properties

Enable DRC INSIGHT Auto Update:

Enable Content Caching:

Enable Load Simulation:

TSM Content Caching and Simulation Server Name:

Enable Response Caching TSM :

TSM Response Caching Server Name:

HTTPS Proxy Host:

District Name:*

School Name:*

*required

9. Open the DRCConfiguration.json file and the ManagedAppConfig.plist file in a text editor and copy the values from the DRCConfiguration.json file into the ManagedAppConfig.plist file.
10. Using the MDM’s deployment feature, distribute the executable and the edited configuration files—DRC INSIGHT.ipa and ManagedAppConfig.plist—to the iPad devices in the group.
11. After you have finished deploying INSIGHT, pair each iPad device with an external keyboard that is functioning properly (optional—only required if the test contains questions that require text entry), Turn on the Guided Access feature to put the iPad into Kiosk Mode (required for testing) by specifying **Settings–General–Accessibility–Learning–Guided Access**. Turn it on and select **Set Passcode** to set the passcode*. Verify that spell check, auto-complete, and auto-capitalization are disabled, and launch the DRC INSIGHT App.

***Note:** To put the iPad device into Kiosk Mode, NeSA-Technology Assessment Coordinators (N-TACs) must provide a passcode (numeric password). This same passcode information is necessary to exit the INSIGHT App during testing. Refer to Guided Access documentation for more information. Refer to Guided Access documentation for more information.

INSIGHT Installation Program Options

The following table shows the custom properties that are available for the installation program.

⚠ Important: Ignore the adminId, adminName, and requireLatestVersion properties in the DRC Configuration.json file.

Property/Switch	Description	Default Value
autoUpdateFlag	Enables and disables the automatic update feature.	true
baseURL	The URL that points to the eDIRECT site for the state.	none
contentCache	The URL and secure port of the TSM server that caches test content and performs load simulation tests. Replace localhost with the name or IP address of the TSM server.	https://localhost:8443/
contentCacheEnable	Enables and disables a TSM for content caching. If true, include the CONTENTCACHE property to specify the TSM that will perform content caching.	false
districtId*	The district ID for load simulation testing.	none
districtName*	The district name for load simulation testing.	none
httpsProxy	The URL and port of the proxy host server. Depending on your configuration, this URL can start with either http:// or https://	blank
lcsEnable	Enables and disables a TSM for response caching. If true, include the LCSURL property to specify the TSM that will perform response caching.	false
lcsURL	The URL and secure port of the TSM server that caches test responses. Replace localhost with the name or IP address of the TSM server.	https://localhost:8443/
	Specifies that load simulation testing is enabled for the testing computer. If true, include the CONTENTCACHEENABLE property set to true and the CONTENTCACHE property to specify the TSM that will perform load simulation tests. You also must specify DISTRICT_NAME, DISTRICTID, SCHOOL_NAME, and SCHOOLID.	true
schoolId*	The school ID for load simulation testing.	none
schoolName*	The school name for load simulation testing.	none
startPageURL	The URL for the secure browser eDIRECT portal.	none
updateURL	The URL that points to the location where the latest version of INSIGHT can be downloaded.	none

*To determine the ID or name, use the name and/or numeric code from the locations file located at <https://ne-insight.drccdirect.com/InsightClientRESTServices/ClientRESTService.svc/locations> (see Using the Locations File on the following page.).

INSIGHT Installation Program Options (cont.)

Using the Locations File

To locate district and school names and IDs, do the following:

1. Paste the locations file link into a browser and open it (download the file into a text editor if necessary).
2. Search for the string **district_name** to locate the district name and ID (to the left).
3. Search for the string **school_name** to locate the school name and ID (see below).

```
{"districtid": "88888", "district_name": "Sample District", "schools": {"schoolid": "8888", "school_name": "Sample School"}}
```

Example Configuration (.plist) File

The following is an example of the configuration (.plist) file for Nebraska.

Note: Do not cut and paste this information—it is meant as an example only.

```
<?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>adminId</key><string></string>
<key>adminName</key><string></string>
<key>autoUpdateFlag</key><string>>true</string>
<key>baseURL</key><string>https://wbte.drccedirect.com/ NE/</string>
<key>contentCache</key><string>https://10.3.97.11:8443/</string>
<key>contentCacheEnable</key><string>>true</string>
<key>districtId</key><string>88888</string>
<key>districtName</key><string>Sample District</string>
<key>httpsProxy</key><string>http://10.3.98.61:8081</string>
<key>lcsEnable</key><string>>true</string>
<key>lcsURL</key><string>https://10.3.97.11:8443/</string>
<key>loadSimulationEnable</key><string>>true</string>
<key>requireLatestVersion</key><string>>true</string>
<key>schoolId</key><string>8888</string>
<key>schoolName</key><string>Sample School</string>
<key>startPageURL</key><string>https://wbte.drccedirect.com/ NE/portals/ ne/</string>
<key>updateURL</key><string>http:// ne-insight-client.drccedirect.com/Download/SecureBrowser/VERSIONS.txt</string>
</dict>
</plist>
```

■ Configuring an iPad Manually

If your MDM software does not support the Managed App Configuration feature, you can use it to deploy INSIGHT, but you must configure INSIGHT manually. You configure an iPad manually by using the DRC INSIGHT properties to specify certain DRC INSIGHT properties for your iPad device. You can do the following:

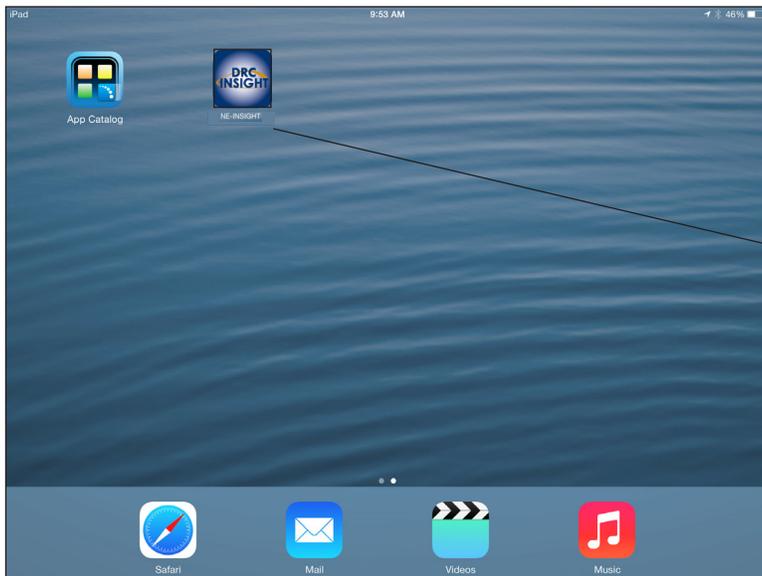
- Enable automatic software updates.
- Specify settings for both your unsecured (http) and secured (https) host servers.
- Specify which server is the content caching and/or load simulation TSM server, and the port it uses for communication.
- Specify which server is the response caching TSM server and the port it uses for communication.
- Select the district and school name associated with the testing device (required).

You specify these properties by selecting **DRC INSIGHT Properties** (see “Setting DRC INSIGHT Properties on an iPad” on page 26). After you have finished, disable spell check, auto-complete, and auto-capitalization, and turn on the Guided Access feature to put the iPad into Kiosk Mode (required for testing). Turn on the Guided Access feature to put the iPad into Kiosk Mode (required for testing) by specifying **Settings–General–Accessibility–Learning–Guided Access**. Turn it on and select Set Passcode to set the passcode.* Pair the iPad with a keyboard, if a keyboard is required, and re-launch the DRC INSIGHT App.

Note: To put the iPad device into Kiosk Mode, NeSA-Technology Assessment Coordinators (N-TACs) must provide a passcode (numeric password). This same passcode information is necessary to exit the INSIGHT App during testing. Refer to Guided Access documentation for more information.

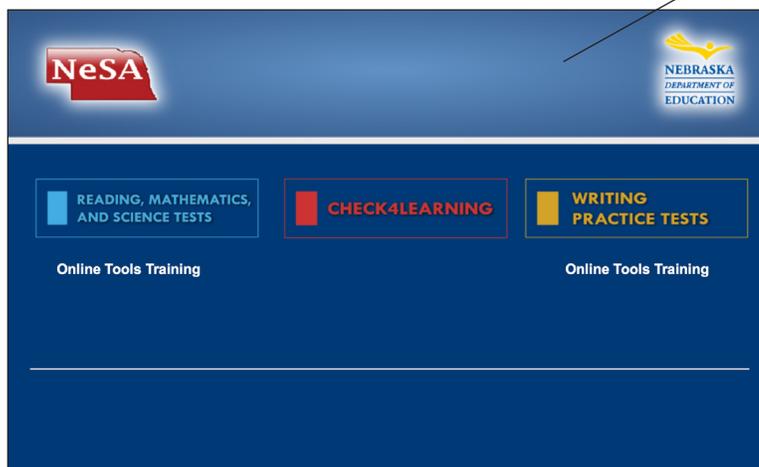
Setting DRC INSIGHT Properties on an iPad

When you start the System Readiness Check on an iPad, you can select INSIGHT Properties from the System Information page. A dialog box displays that you can use to configure the iPad to work with DRC INSIGHT and a TSM by specifying the path to the TSM server you use for content caching and/or load simulation tests, specifying the path to the TSM server you use for response caching, the path to a secure proxy host, and the name of the district and school associated with the testing device.

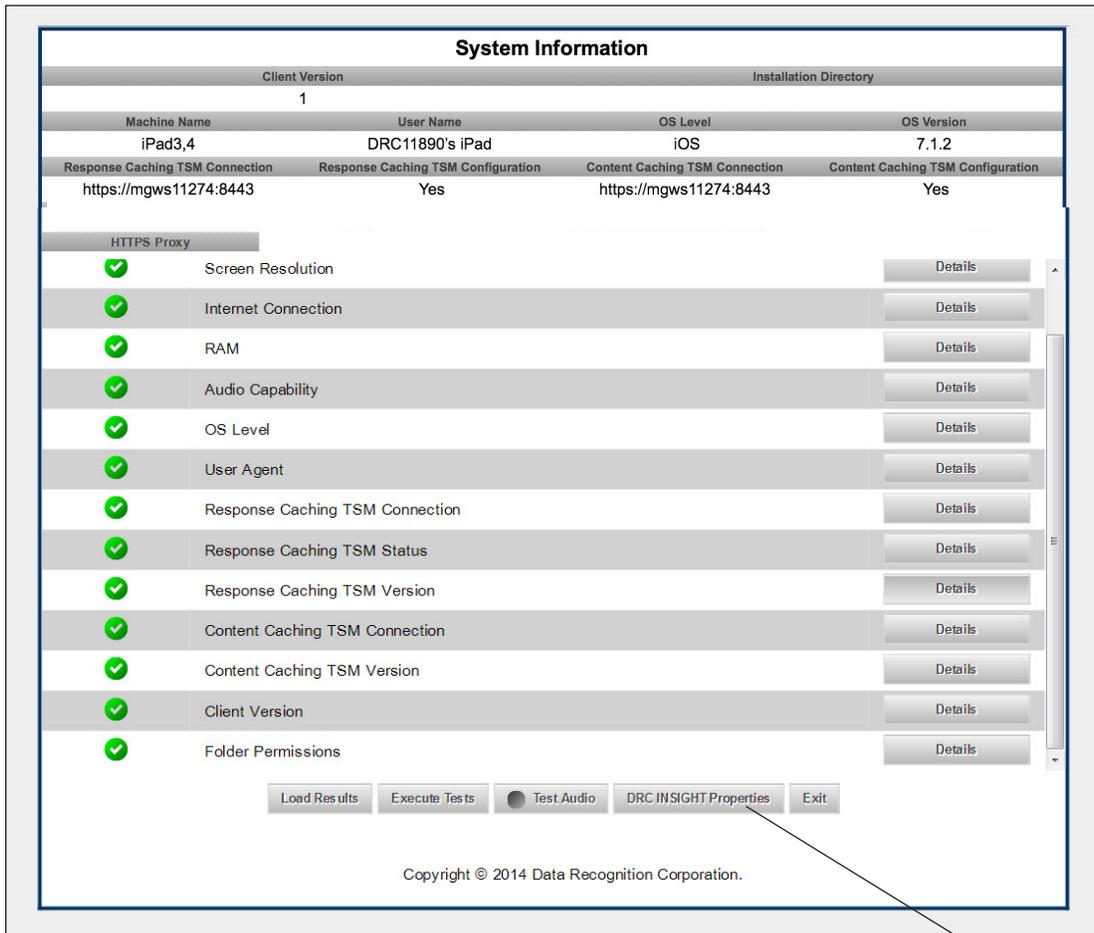


1. Click **DRC INSIGHT** to start INSIGHT. Select a location from the list of URLs that displays.

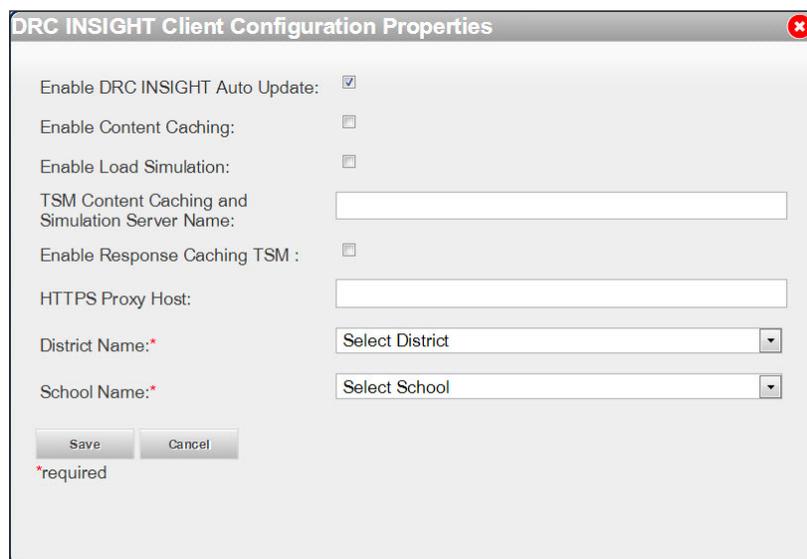
2. In an empty part of the screen, press with two fingers and hold to display the System Readiness Check.



Setting DRC INSIGHT Properties on an iPad (cont.)



3. Click **DRC INSIGHT Properties** to display the DRC INSIGHT Configuration Properties dialog box. From this dialog box you can review your INSIGHT configuration and make changes to it.



Setting DRC INSIGHT Properties on an iPad (cont.)

To specify a server to use for test content caching, check **Enable Content Caching** and enter the server name (or IP address*) and port number in the TSM Content Caching and Simulation Server Name field.

To specify a server to use for load simulations, check **Enable Load Simulation** and enter the server name (or IP address*) and port number (separated by a colon) and followed by a forward slash (/) in the TSM Content Caching and Simulation Server Name field.

To specify a server to use for test response caching, check **Enable Response Caching TSM** and enter the server name (or IP address*) and port number (separated by a colon) and followed by a forward slash (/) in the TSM Response Caching Server Name field that displays.

DRC INSIGHT Client Configuration Properties

Enable DRC INSIGHT Auto Update:

Enable Content Caching:

Enable Load Simulation:

TSM Content Caching and Simulation Server Name:

Enable Response Caching TSM :

TSM Response Caching Server Name:

HTTPS Proxy Host:

District Name:*

School Name:*

Save Cancel

*required

To specify a proxy HTTPS (secured) Host to use for the TSM, enter the server name (or IP address*) and port number (separated by a colon) in the HTTPS Proxy Host Name field. You may need to restart the DRC INSIGHT App to see this change.

Select the district and school for the testing device from the **District Name** and **School Name** drop-down menus. These names are used for the reports generated from the load simulations tests.

4. Press **Save** to save your changes or **Cancel** to cancel them.

! Important: *A TSM server should have a static IP address (an IP address that does not change when the computer is restarted or rebooted) if you are using the machine IP address versus the machine name to connect to the TSM. If the IP address of a TSM machine changes, you must re-configure the testing devices that connect to that TSM. Remember to include the forward slash (/) at the end of the path to the TSM server—without it your TSM may not be configured correctly.

Setting DRC INSIGHT Properties (cont.)

System Information			
Client Version		Installation Directory	
1			
Machine Name	User Name	OS Level	OS Version
iPad3,4	DRC11890's iPad	iOS	7.1.2
Response Caching TSM Connection	Response Caching TSM Configuration	Content Caching TSM Connection	Content Caching TSM Configuration
https://mgws11274:8443	Yes	https://mgws11274:8443	Yes
HTTPS Proxy			
✓	Screen Resolution	Details	
✓	Internet Connection	Details	
✓	RAM	Details	
✓	Audio Capability	Details	
✓	OS Level	Details	
✓	User Agent	Details	
✓	Response Caching TSM Connection	Details	
✓	Response Caching TSM Status	Details	
✓	Response Caching TSM Version	Details	
✓	Content Caching TSM Connection	Details	
✓	Content Caching TSM Version	Details	
✓	Client Version	Details	
✓	Folder Permissions	Details	

Load Results Execute Tests Test Audio DRC INSIGHT Properties Exit

Copyright © 2014 Data Recognition Corporation.

6. If you made any configuration changes, the System Information window displays the results of the System Readiness Check tests for those changes. Click **Execute Tests** to verify that the iPad is ready for testing. If there are errors, you must resolve them and repeat Steps 4 and 5.

6. Click **Exit**. Disable spell check, auto-complete, and auto-capitalization, and turn on the Guided Access feature to put the iPad into Kiosk Mode (required for testing). Pair the iPad with a keyboard, if a keyboard is required, and re-launch the DRC INSIGHT App.

Notes:

Section Four: Installing INSIGHT on Chromebooks



■ What's Covered in This Section

This section describes the installation process for Chromebook devices. It provides detailed information about installing INSIGHT and configuring it using the Device Toolkit.

DRC provides software called the Device Toolkit that you can use to configure and install the TSM on the Chromebooks in your environment. You use this software after you have installed, configured, and registered your Chromebooks. You must register your Chromebooks in your Google domain account to create a device ID for each Chromebook.

■ Connecting to a TSM

To test using INSIGHT, you can connect to a TSM for content caching, response caching, load simulation testing, and other functions. The following is a brief overview of the process of installing INSIGHT and configuring a Chromebook.

1. If you plan to use a TSM, install one or more TSMs on stable desktop or laptop computers that have static IP addresses (if you are using the machine IP address versus the machine name to connect to the TSM) and will be available around the clock.
2. Use the URL DRC provides to install the DRC INSIGHT App on your Chromebook devices from the Google administration website. Launch INSIGHT on the Chromebook and record the Chromebook's Device ID.
3. Sign on to DRC eDIRECT and use the Device Toolkit link to start the DRC INSIGHT Device Toolkit software.
4. Use the DRC INSIGHT Device Toolkit to organize and configure your Chromebook devices to perform the following tasks:
 - Create ORG Units based on your testing setup and needs.
 - Group the Chromebook devices into ORG Units.
 - Configure each ORG Unit, specifying the connection to a TSM for all of the devices in the ORG Unit.
 - Check the contents of the log files during testing to monitor testing and Chromebook activity.
 - Make any necessary configuration changes.
5. Run the System Readiness Check on each Chromebook device to verify that it can connect to the TSM and is ready for testing. If necessary, use the Device Toolkit to reset the parameters for the ORG Unit and re-deploy the updated DRC INSIGHT software.
6. Test the configurations and monitor the log files for issues.

■ Installing a TSM

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

- The computer on which you install the TSM software should have a static IP address (an address that does not change when the computer is restarted or rebooted) if you are using the machine IP address versus the machine name to connect to the TSM. If the IP address of a TSM machine changes, you must re-configure the testing devices that connect to that TSM.
- You should install the TSM *before* you install INSIGHT so that you can specify the path to the TSM and the communication port during the INSIGHT installation.
- If you need to change the configuration of a TSM after it is installed, you must uninstall the TSM and install a new version. If you re-install a TSM after you have installed INSIGHT, you may need to re-configure the testing computers that connect to it.

■ Tablet Devices, Chromebooks, and the TSM

A TSM is used primarily to cache and manage test content and responses. For various reasons, tablet devices (such as iPads) and Chromebooks do not provide a suitable environment for a TSM. As a result, you should install the TSM software on a Windows PC, Mac (OS X) computer, or Linux machine, and connect to the TSM when you install INSIGHT on the tablet device or Chromebook.

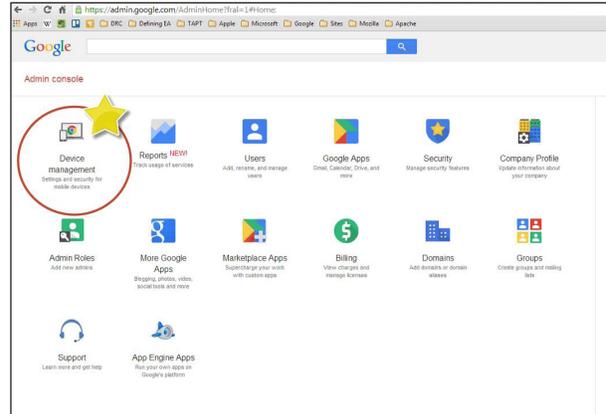
For specific TSM installation instructions, refer to the appropriate installation section in the *DRC INSIGHT Technology User Guide*.

Quick Tour: Installing INSIGHT for Chrome

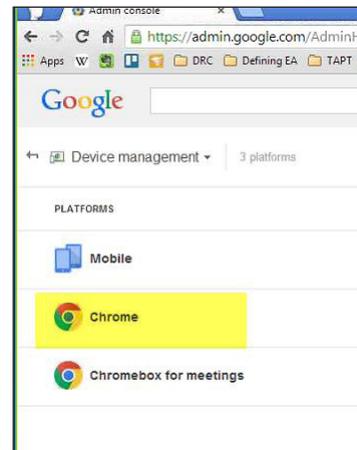
This Quick Tour describes how to install the DRC INSIGHT App on one or more Chromebooks using the Google administration site.

Note: You must have a Google Chrome Administrator profile to install the DRC INSIGHT App.

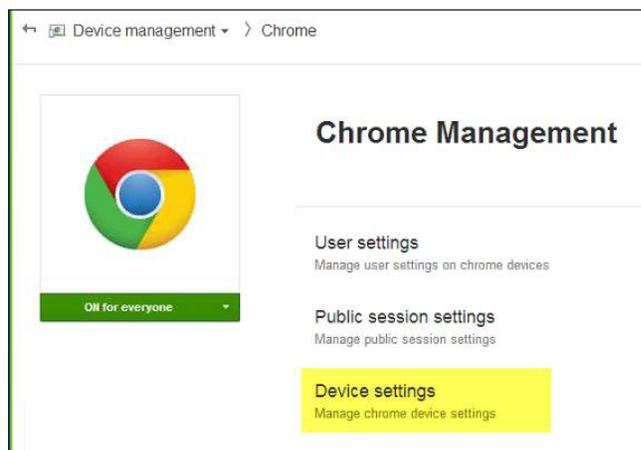
1. Using a web browser, go to the Google administration site at <http://admin.google.com>, log in with an administrator profile, and select **Device Management**.



2. Select **Chrome**.



3. Select **Device Settings**.



Quick Tour: Installing INSIGHT for Chrome (cont.)

4. The Device Settings page displays.

For Steps 4 and 5, refer to the circled numbers in the diagrams.

1 Select the proper organization level to be able to deploy the DRC INSIGHT App to everyone that will use it for testing.

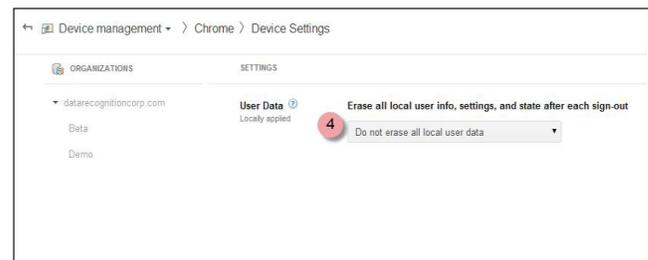
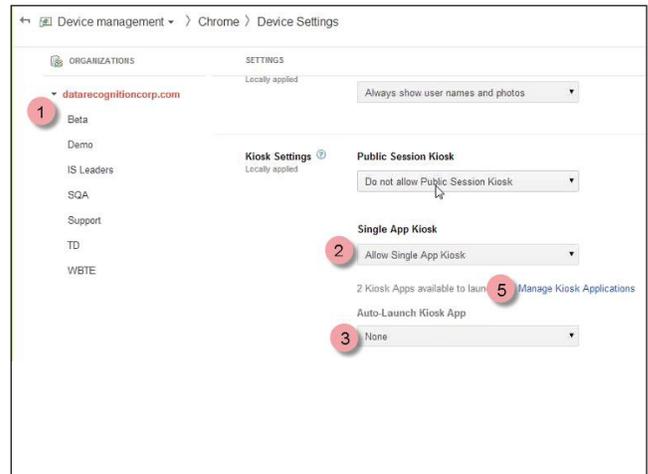
Note: Where the example shows datarecognitioncorp.com, your domain will be listed.

2 For Single App Kiosk, change the drop list box setting to **Allow Single App Kiosk**.

3 For Auto-Launch Kiosk App, leave the value as **None** so the user can use the Chromebook for non-DRC INSIGHT testing.

4 Scroll up the page to User Data and select **Do not erase all local user data**.

5 Scroll down the page and click **Manage Kiosk Applications**.



5. The Kiosk Apps page displays.

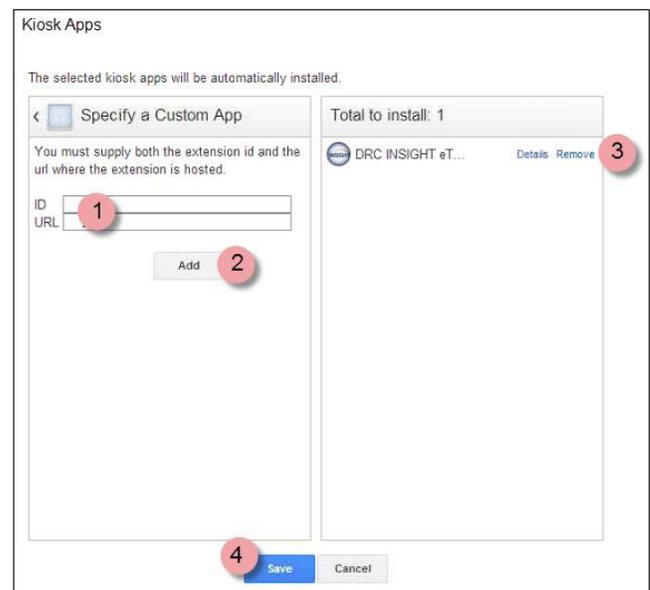
1 Enter the ID and URL for the DRC INSIGHT App (required).

Note: The ID and URL will be provided when the software becomes available on September 29.

2 Click **Add**.

3 The screen refreshes and the DRC INSIGHT App icon displays in the **Total to install** list.

4 Click **Save**.



Quick Tour: Installing INSIGHT for Chrome (cont.)

6. The Device Settings page redisplay. Click **Save Change**.

7. The INSIGHT App will be installed as a Kiosk application the next time the policy is downloaded, which may take as long as 24 hours.

Note: To install the update (the INSIGHT App) immediately, enter **chrome://policy** in the address bar of the chromebook (see Applying INSIGHT updates).

8. To register the Chromebook device ID, you must deploy the DRC INSIGHT configurations to each enrolled Chromebook using the DRC INSIGHT Device Toolkit.

To start the Device Toolkit software and register the Chromebook, sign in to eDIRECT at **https://NE.drcedirect.com** using a Chrome browser and select **Test Setup–Device Toolkit**.

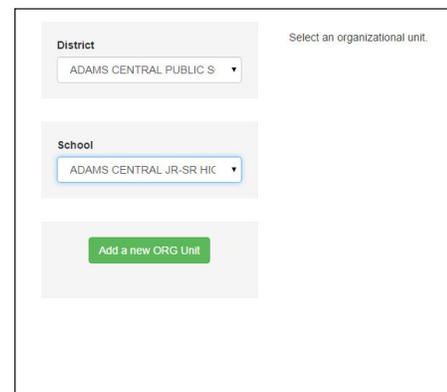
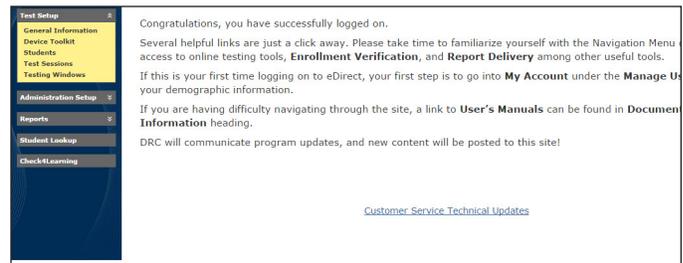
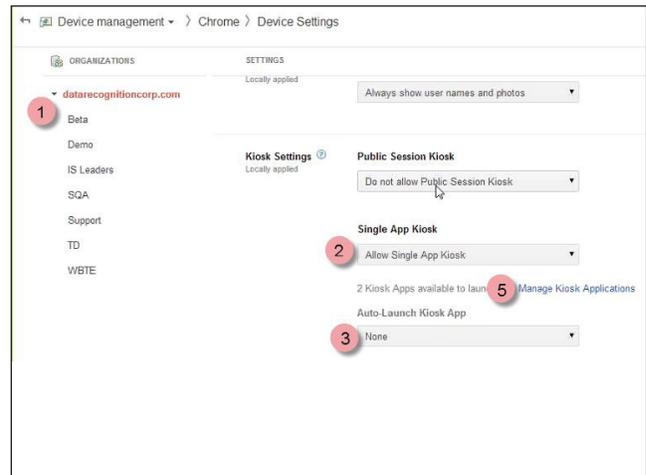
9. The Device Toolkit software displays in your Chrome browser. You use this software to create organizational units (ORG Units) that you use to group, organize, and categorize your Chromebooks for testing.

For each ORG Unit, you identify its DRC INSIGHT configuration. When you launch the Chromebook, it uses the configuration settings identified for the ORG Unit(s) to which the device is assigned.

10. Select a district from the District drop-down menu and a school from the School drop-down menu.

11. Click **Add a new ORG Unit** to get started (see “DRC INSIGHT Device Toolkit” on page 37).

12. After you have configured your Chromebooks using the DRC INSIGHT Device Toolkit, you are ready to start testing. To start INSIGHT, start the Chromebook, click **App** from the Chromebook sign-in screen, and click **DRC INSIGHT** to display the main page.



■ DRC INSIGHT Device Toolkit

This topic describes how to use the DRC INSIGHT Device Toolkit (referred to as the Device Toolkit) to organize and manage your Chromebook devices for testing.

You also use the Device Toolkit to create and delete organization units, add devices to units, move devices between units, and remove devices from a unit (the device's configuration remains in the database, but the device is no longer visible in the Device Toolkit).

■ ORG Units

To help organize and manage Chromebook devices, the Device Toolkit uses the concept of organizational units (referred to as ORG Units in the Device Toolkit) to group these devices. An ORG Unit is basically a logical method of grouping your Chromebook devices that makes sense for your environment.

For example, if you use more than one TSM, you might want to base your ORG Units on your TSMs. If you have two TSMs, you could create two ORG Units—one for TSM A and one for TSM B. Or, you might structure your ORG Units based on the location of a set of Chromebook devices, or the students that use the Chromebook devices.

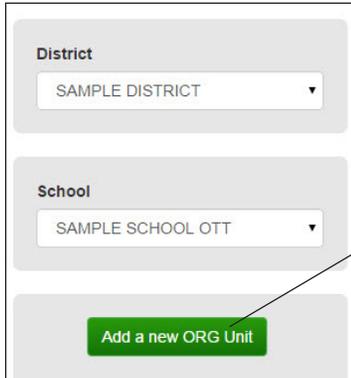
Note: Each Chromebook can belong to only one ORG Unit at a time (based on the device ID of the Chromebook). You can use the Device Toolkit to move a Chromebook device from one ORG Unit to another.

You create each ORG Unit and decide which Chromebooks make up that unit. At the time you configure the TSM, you specify the configuration once for an entire ORG Unit and every device associated with that unit is configured to the same TSM. You can:

- Specify proxy settings for both your unsecured (http) and secured (https) host servers.
- Specify which server is the content caching and/or load simulation TSM server, and the port used for communication.
- Specify which server is the response caching TSM server and the port used for communication.
- Select the district and school name associated with the testing computer (required).

Creating and Deleting ORG Units

You can use the Device Toolkit to create or delete organization units (called ORG Units) to organize your Chromebooks for testing.

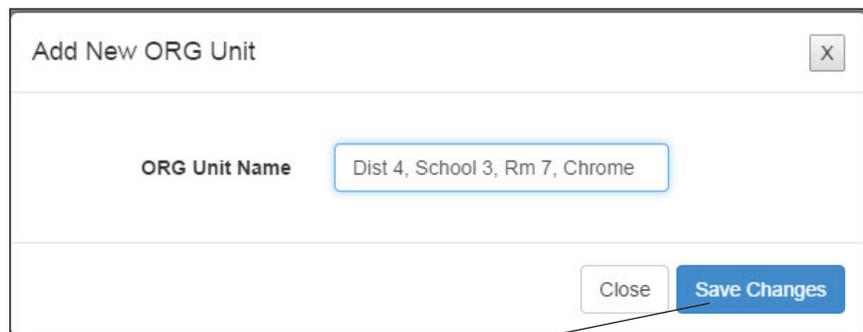


District
SAMPLE DISTRICT

School
SAMPLE SCHOOL OTT

Add a new ORG Unit

1. From the Device Toolkit, click **Add a New ORG Unit** to create a new unit.

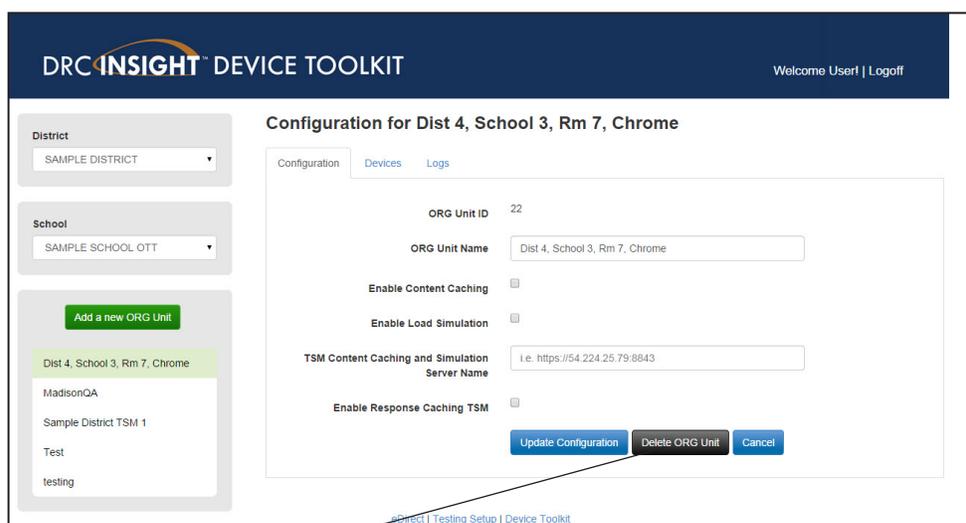


Add New ORG Unit

ORG Unit Name
Dist 4, School 3, Rm 7, Chrome

Close Save Changes

2. When the **Add New ORG Unit** dialog box displays, enter a meaningful name for the ORG Unit that will help you categorize and organize your Chromebooks for testing, and click **Save Changes**.



DRC INSIGHT™ DEVICE TOOLKIT

Welcome User! | Logoff

District
SAMPLE DISTRICT

School
SAMPLE SCHOOL OTT

Add a new ORG Unit

Dist 4, School 3, Rm 7, Chrome

MadisonQA

Sample District TSM 1

Test

testing

Configuration for Dist 4, School 3, Rm 7, Chrome

Configuration Devices Logs

ORG Unit ID 22

ORG Unit Name Dist 4, School 3, Rm 7, Chrome

Enable Content Caching

Enable Load Simulation

TSM Content Caching and Simulation Server Name i.e. https://54.224.25.79:8843

Enable Response Caching TSM

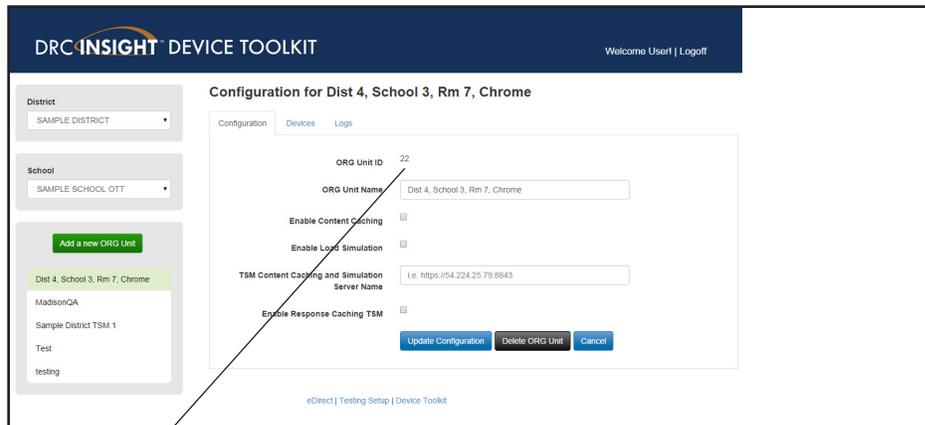
Update Configuration Delete ORG Unit Cancel

@Direct | Testing Setup | Device Toolkit

3. The configuration page for the ORG Unit you opened or created displays. To delete an ORG Unit, click **Delete ORG Unit**. A dialog box displays to confirm the deletion.

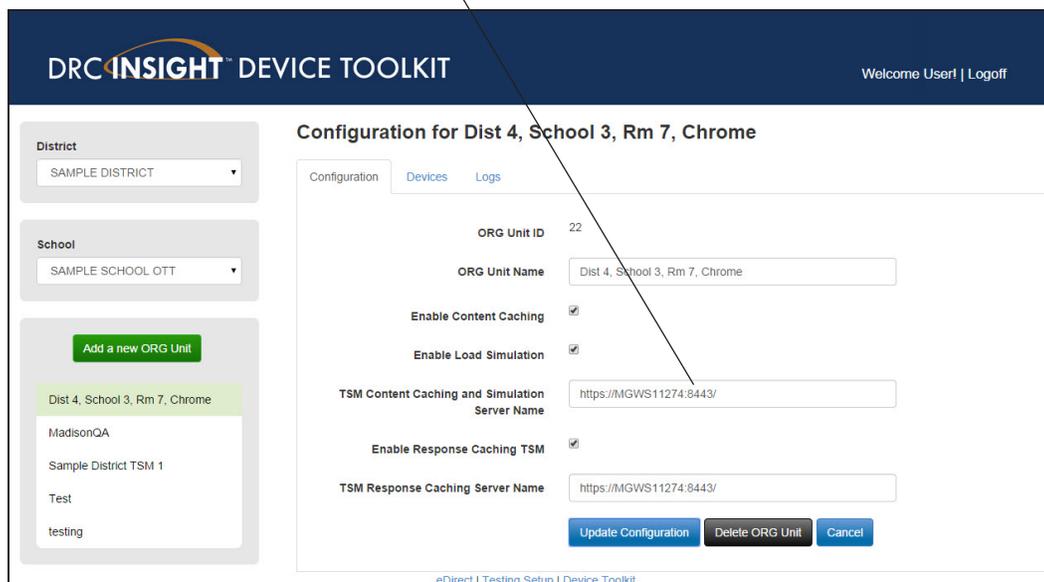
Configuring the TSM

This topic describes how to use the Device Toolkit to configure your Chromebooks to work with the TSM and to organize them for testing.



1. From the Device Toolkit, select an ORG Unit. The configuration page for the ORG Unit you opened or created displays with a unique ORG Unit ID number.

2. To specify a server to use for test content caching and/or load simulation testing, check **Enable Content Caching** and/or **Enable Load Simulation**, and enter the server name (or IP address*) and port number (separated by a colon) and followed by a forward slash (/) in the TSM Content Caching and Simulation Server Name field.



! Important: *A TSM server 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 re-configure the testing computers that connect to that TSM. Remember to include the forward slash (/) at the end of the path to the TSM server—without it your TSM may not be configured correctly.

Configuring the TSM (cont.)

- To specify a server to use for test content caching, check **Enable Response Caching TSM** and enter the server name (or IP address) and port number (separated by a colon) and followed by a forward slash (/) in the TSM Response Caching Server Name field.

DRC INSIGHT™ DEVICE TOOLKIT

Welcome User! | Logoff

District: SAMPLE DISTRICT

School: SAMPLE SCHOOL OTT

Add a new ORG Unit

Dist 4, School 3, Rm 7, Chrome

MadisonQA

Sample District TSM 1

Test

testing

Configuration for Dist 4, School 3, Rm 7, Chrome

Configuration | Devices | Logs

ORG Unit ID: 22

ORG Unit Name: Dist 4, School 3, Rm 7, Chrome

Enable Content Caching:

Enable Load Simulation:

TSM Content Caching and Simulation Server Name: https://MGWS11274:8443/

Enable Response Caching TSM:

TSM Response Caching Server Name: https://MGWS11274:8443/

Update Configuration | Delete ORG Unit | Cancel

[eDirect](#) | [Testing Setup](#) | [Device Toolkit](#)

- Click **Update Configuration** to save your changes or **Cancel** to cancel them. A message displays indicating whether the configuration was updated successfully.

DRC INSIGHT™ DEVICE TOOLKIT

Group 'Dist 4, School 3, Rm 7, Chrome' saved.

Welcome User! | Logoff

District: SAMPLE DISTRICT

School: SAMPLE SCHOOL OTT

Add a new ORG Unit

Dist 4, School 3, Rm 7, Chrome

MadisonQA

Sample District TSM 1

Test

testing

Configuration for Dist 4, School 3, Rm 7, Chrome

Configuration | Devices | Logs

ORG Unit ID: 22

ORG Unit Name: Dist 4, School 3, Rm 7, Chrome

Enable Content Caching:

Enable Load Simulation:

TSM Content Caching and Simulation Server Name: https://MGWS11274:8443/

Enable Response Caching TSM:

TSM Response Caching Server Name: https://MGWS11274:8443/

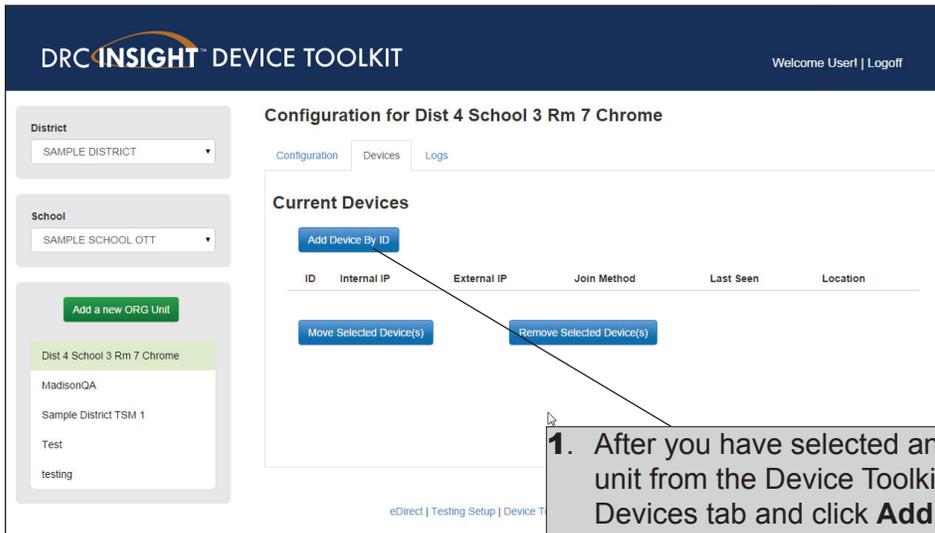
Update Configuration | Delete ORG Unit | Cancel

[eDirect](#) | [Testing Setup](#) | [Device Toolkit](#)

There are links to **eDIRECT**, **Testing Setup**, and the **Device Toolkit** at the bottom of the page.

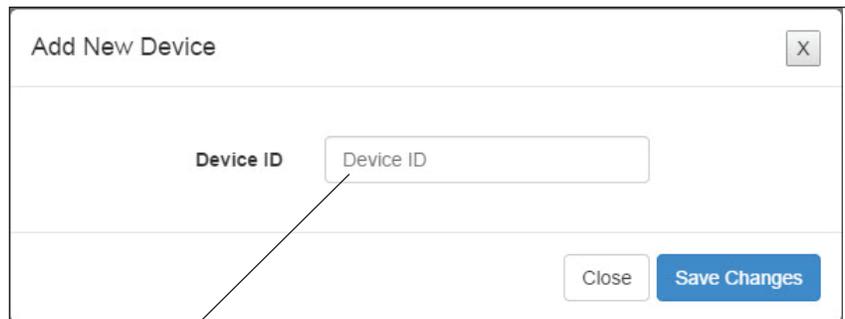
Adding Devices

You can use the Device Toolkit to add Chromebook devices to an organization unit to organize your Chromebooks for testing. To add the device, you must know the Chromebook Device ID.



The screenshot shows the DRC INSIGHT DEVICE TOOLKIT interface. On the left, there are dropdown menus for 'District' (SAMPLE DISTRICT) and 'School' (SAMPLE SCHOOL OTT), along with a list of organization units including 'Dist 4 School 3 Rm 7 Chrome'. The main area is titled 'Configuration for Dist 4 School 3 Rm 7 Chrome' and has tabs for 'Configuration', 'Devices', and 'Logs'. The 'Devices' tab is active, showing a table with columns for ID, Internal IP, External IP, Join Method, Last Seen, and Location. A blue button labeled 'Add Device By ID' is highlighted with a callout box. Below the table are buttons for 'Move Selected Device(s)' and 'Remove Selected Device(s)'.

1. After you have selected an organization unit from the Device Toolkit, select the Devices tab and click **Add Device by ID** to add a device to the unit.



The screenshot shows a dialog box titled 'Add New Device' with a close button (X) in the top right corner. It contains a text input field labeled 'Device ID' with the placeholder text 'Device ID'. At the bottom right, there are two buttons: 'Close' and 'Save Changes'.

- 2.** When the Add New Device dialog box, displays, enter the ID of the device in the Device ID field and click **Save Changes**. Click **OK** to add the device to the organization unit. The Devices tab redisplayed with the device added.

Registering Devices

If a Chromebook device has not been registered, when a student attempts to test with the device a message displays indicating that the device must be registered.

1. You can register the device by writing down the Device ID that displays and use it with the Device Toolkit **Add By Device ID** function (see “Adding Devices” on page 41). Click **OK** to close the message display.

Your device has not been registered
Please raise your hand and wait for help.

Message to Test Administrator:
This device has not been registered. Please contact an Administrator to register it using the Device ID indicated below, or select the District, School, and Organizational Unit to register this device.

WkJMCF0HW

OK

Or select your Organizational Unit

District

School

Organizational Unit

Clear **Save**

2. You also can register the Chromebook device by selecting its district, school, and organizational unit from the drop-down menu and clicking **Save** to save your changes. Click **Clear** to clear any entries in the District, School, or Organizational Unit fields.

Moving Devices

You can use the Device Toolkit to move one or more devices between organization units to organize your Chromebooks for testing.

DRC INSIGHT DEVICE TOOLKIT Welcome User | Logoff

District: SAMPLE DISTRICT

School: SAMPLE SCHOOL OTT

Add a new ORG Unit

Dist 4, School 3, Rm 7, Chrome

MadisonQA

Sample District TSM 1

Test

testing

Configuration for MadisonQA

Configuration | **Devices** | Logs

Current Devices

Add Device By ID

ID	Internal IP	External IP	Join Method	Last Seen	Location
<input type="checkbox"/> -yMhp8Q7	192.168.1.127	127.0.0.1	SELECTED	Sep 11, 2014 10:07:59 AM	
<input type="checkbox"/> byYdb0L7Q	192.168.168.150	127.0.0.1	SELECTED	Sep 11, 2014 10:10:02 AM	
<input type="checkbox"/> W1mLqKEX	10.3.96.121	10.3.96.121	SELECTED	Sep 12, 2014 9:27:33 AM	
<input checked="" type="checkbox"/> WkX2IDEm	172.16.101.232	10.3.96.184	SELECTED	Sep 12, 2014 3:35:47 PM	
<input checked="" type="checkbox"/> Zk0CB9Umm	192.168.168.150	192.168.168.150	MANUAL	Sep 11, 2014 9:44:36 AM	

Move Selected Device(s) Remove Selected Device(s)

eDirect | Testing Setup | Device Toolkit

1. Select an organization unit you want to move devices from (the source unit), select the **Devices** tab, check each device you want to move from the source organization unit, and click **Move Devices**.

Change ORG Unit. [X]

ORG Unit Name: Dist 4, School 3, Rm 7, Chron

Close Save Changes

2. When the Change ORG Unit dialog box displays, select the name of the target organizational unit from the drop-down list in the ORG Unit Name field and click **Save Changes**. Each device you selected is moved to the target organization unit.

DRC INSIGHT DEVICE TOOLKIT Welcome User | Logoff

District: SAMPLE DISTRICT

School: SAMPLE SCHOOL OTT

Add a new ORG Unit

Dist 4, School 3, Rm 7, Chrome

MadisonQA

Sample District TSM 1

Test

testing

Configuration for Dist 4, School 3, Rm 7, Chrome

Configuration | **Devices** | Logs

Current Devices

Add Device By ID

ID	Internal IP	External IP	Join Method	Last Seen	Location
<input type="checkbox"/> WkX2IDEm	172.16.101.232	10.3.96.184	SELECTED	Sep 12, 2014 3:35:47 PM	
<input type="checkbox"/> Zk0CB9Umm	192.168.168.150	192.168.168.150	MANUAL	Sep 11, 2014 9:44:36 AM	

Move Selected Device(s) Remove Selected Device(s)

eDirect | Testing Setup | Device Toolkit

Removing Devices

You can use the Device Toolkit to remove one or more devices from an organization unit.

Note: When you remove a device, its configuration settings are saved in the database, but the device no longer appears in the Device Toolkit.

The screenshot shows the DRC INSIGHT DEVICE TOOLKIT interface. On the left, there are dropdown menus for 'District' (SAMPLE DISTRICT) and 'School' (SAMPLE SCHOOL OTT), and a list of organization units including 'Dist 4, School 3, Rm 7, Chrome'. The main area is titled 'Configuration for Dist 4, School 3, Rm 7, Chrome' and has tabs for 'Configuration', 'Devices', and 'Logs'. The 'Devices' tab is active, showing a table of 'Current Devices' with columns for ID, Internal IP, External IP, Join Method, Last Seen, and Location. Two devices are listed: 'WkXx2IDem' (SELECTED) and 'Zk0CB9Umm' (MANUAL). Below the table are buttons for 'Add Device By ID', 'Move Selected Device(s)', and 'Remove Selected Device(s)'. A callout box points to the 'Remove Selected Device(s)' button.

ID	Internal IP	External IP	Join Method	Last Seen	Location
<input checked="" type="checkbox"/> WkXx2IDem	172.16.101.232	10.3.96.184	SELECTED	Sep 12, 2014 3:35:47 PM	
<input type="checkbox"/> Zk0CB9Umm	192.168.168.150	192.168.168.150	MANUAL	Sep 11, 2014 9:44:36 AM	

1. Select an organization unit and select the **Devices** tab. Check each device you want to remove from the organization unit.

2. Click **Remove Selected Devices**. A dialog box displays to confirm the process. Click **Yes** to continue or **No** to cancel the process.

The screenshot shows a confirmation dialog box titled 'Are You Sure?'. The main text asks 'Are you sure you want to move the selected devices?'. There are 'No' and 'Yes' buttons at the bottom right. A callout box points to the 'Yes' button.

If you click **Yes**, each device you selected is removed from the organizational unit and no longer displays in the Device Toolkit.

Using Log Files

You can use the Device Toolkit log files to review system information about the Chromebook devices assigned to an organization unit.

1. Select an organization unit and select the **Logs** tab. System information about Chromebook devices assigned to that organization unit displays.

The screenshot shows the DRC INSIGHT DEVICE TOOLKIT interface. The header includes the logo and the text "Configuration for Dist 4, School 3, Rm 7, Chrome". On the left, there are dropdown menus for "District" (SAMPLE DISTRICT) and "School" (SAMPLE SCHOOL OTT), along with a list of organization units including "Dist 4, School 3, Rm 7, Chrome", "MadisonQA", "Sample District TSM 1", "Test", and "testing". The "Logs" tab is selected, displaying a table with the following data:

Time	Device ID	Message
Sep 11, 2014 9:44:55 AM	Zk0CB9Umm	Device registered.
Sep 12, 2014 3:36:05 PM	WkXx2IDEm	Device registered.
Sep 12, 2014 3:37:08 PM	WkXx2IDEm	Device switched to group ID: [3] name: [MadisonQA]

2. You can view the time the incident was logged, the device ID, and the message.

Notes:

Section 5: FAQs and Helpful Hints



■ What's Covered in This Section

This section contains a list of testing hints and frequently asked questions and answers about configuring, installing, and using DRC INSIGHT and the Testing Site Manager (TSM) software with iPad and Chromebook devices. The section is divided into three topic categories: General Questions, iPad Questions, and Chromebook Questions.

■ General Questions

■ iPad Questions

Q1: Do I install a TSM on an iPad or Chromebook?

A: A TSM is used primarily to cache and manage test content and responses. For various reasons, tablet devices (such as iPads) and Chromebooks do not provide a suitable environment for a TSM. As a result, you should install the TSM software on a Windows PC, Mac (OS X) computer, or Linux machine, and connect to the TSM when you install INSIGHT on the tablet device or Chromebook.

Q1: Can the DRC INSIGHT iPad App be distributed without an MDM as an .ipa file using iTunes or other software/methods?

A: No.

Q2: Does DRC recommend any particular version of Apple Mobile Device Management (MDM) software?

A: No, there are many versions of MDM software, any of which will distribute INSIGHT. To configure INSIGHT using the MDM software, you must use a version that supports the Managed App Configuration feature for iOS 7.

Q3: Will iOS 8 be supported when it's released in September?

A: Due to the recent release of iOS 8, INSIGHT has not been fully tested on this version of the operating system. iOS 8 may be used, however it is not supported at this time.

Q4: Is custom installation of the Apple virtual (internal) keyboard supported for testing?

A: Yes—the internal keyboard does not display automatically during testing, but can be toggled on using an iPad function key.

Q5: What features need to be on or off to securely test with an iPad?

A: Ensure that spell checker, auto-complete, and auto-capitalization are turned off on each iPad device, and enable and activate the Guided Access feature.

Note: Apple requires a Passcode (numeric password) to activate Guided Access.

■ Chromebook Questions

Q1: How do I configure Chromebooks to work with DRC INSIGHT?

A: DRC provides the DRC INSIGHT Device Toolkit that you can use to configure and manage your Chromebooks after you have registered them in your Chrome domain.

■ General

- Be sure to have a strong network connection, either WiFi or direct Internet connectivity.
- Make sure the device's keyboard is set to English.
- Make sure the devices are either fully charged or plugged in.
- An optical drive is not required.
- While you are running the DRC INSIGHT application, the system operates in Single Kiosk Mode.
- DRC INSIGHT displays in landscape mode only
- Smaller graphing and dragging elements may be difficult to track because the user's finger covers the item.
- On an iPad device, the pinch-to-zoom in/out iOS gesture is supported.
- On an iPad device, the swipe iOS gesture is not supported.
- The internal keyboard will not display during test execution. You can toggle it on using the appropriate iPad function key.
- All non-OTT tests require you to turn on the Guided Access feature.

Under **Device Settings–General–Accessibility Learning–Guided Access**, enable Guided Access and Passcode.

Note: Administrators must ensure that this passcode is set before testing begins.

■ iPad Devices

- Navigating DRC INSIGHT:
 - **Show System Readiness Check** = two-finger press (hold)
 - **Show Version** = two fingers plus three taps
- iPad devices have a Sleep Mode setting. In Sleep Mode the screen goes black and users can touch any key to re-activate it, or press their home key and type in the device password (if applicable).

The DRC INSIGHT timeout warning is not visible when the device is in Sleep Mode.

- The DRC INSIGHT Device Toolkit manages the Chromebook device configuration process.
- The Device Toolkit must be accessed using another type of computer—you cannot access the toolkit using a Chromebook device.
- You must register a Chromebook in your Google domain account before using it with INSIGHT. Be sure to keep track of its Device ID.

■ Chromebook Devices



Produced by Data Recognition Corporation (DRC)
13490 Bass Lake Road
Maple Grove, MN 55311

Nebraska Customer Service: 1-866-342-6280
Website: <https://ne.drctdirect.com>
Email: necustomerservice@datarecognitioncorp.com
Revision Date: September 29, 2014