

# Wisconsin Forward Exam Spring 2017

## District Technology Coordinator Training

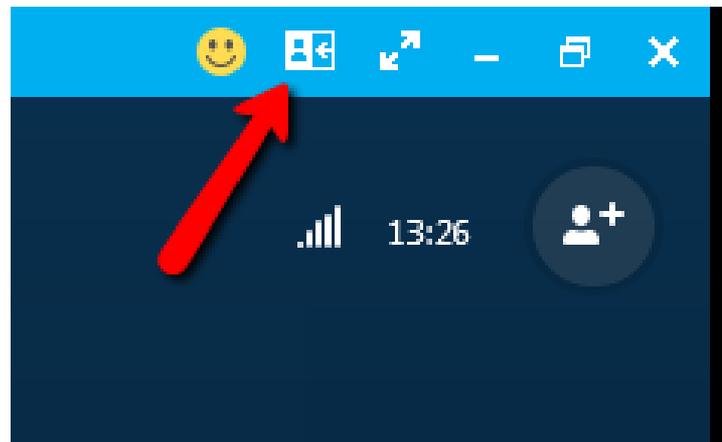
# AGENDA



- Accessing the Online District Technology Coordinator Training
- What's New for 2017 -- Highlights
- Software Overview
- Supported Devices/System Requirements
- Installation/Configuration
- Q & A Session

# VIEWING THIS PRESENTATION

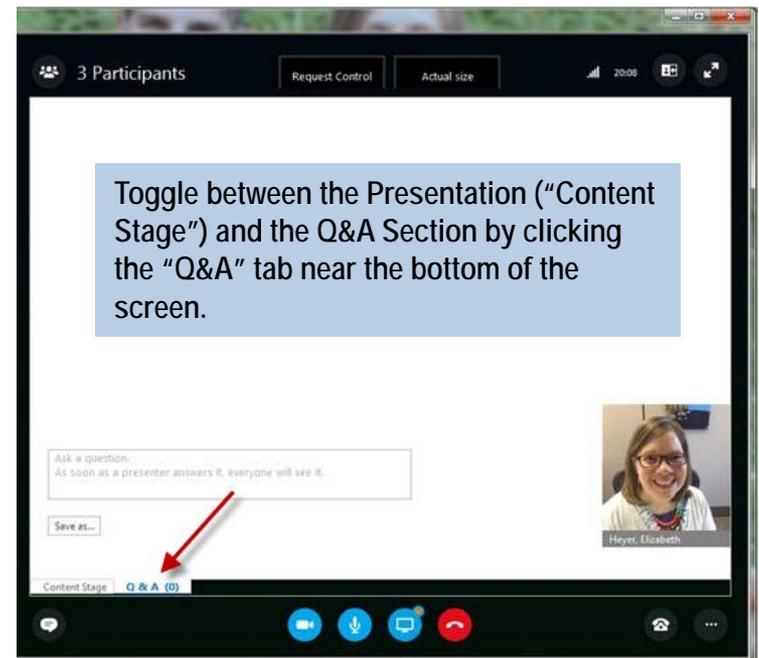
- **Choose your presentation view**
- Try out different views of the presentation by clicking the icon next to the smiley face in the top right toolbar. We like “Presentation View” the best!



# PARTICIPATING IN ONLINE PRESENTATION Q & A



- **Instructions for participating in Q & A Session**
  - Q&A session at the end of the presentation will address questions received from viewers throughout presentation
  - Your question is only visible to you and the presenters until a presenter types a reply. Your question and its response will then be visible to all participants.
  - After the presentation has ended, DRC will follow up with any unanswered questions.

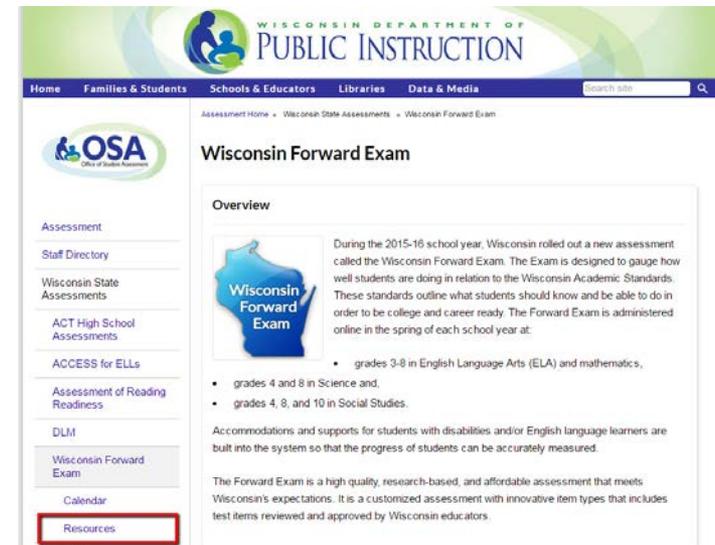
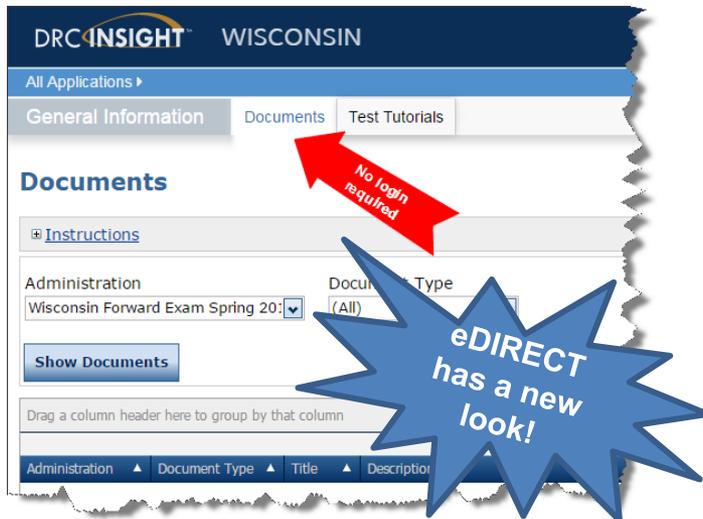


# DOCUMENT DOWNLOADS



- Non-Secure Document Downloads (no login required)
- <http://dpi.wi.gov/assessment/forward/technology> or <https://wi.drctdirect.com>
- All Applications → General Information → Documents (no login required)
- Recording of this presentation
- Technology User's Guide
- Additional Wisconsin Forward Exam documentation (as available)

**Reminder:**  
Technology-related documents are subject to updates. Please be sure to check for the latest version before completing work.



# SOFTWARE DOWNLOADS



- Software (INSIGHT/TSM) Downloads
  - <https://wi.drcedirect.com> (secure login *and* permission required)
  - All Applications → General Information → Downloads
  - INSIGHT and TSM software available by platform

**DRC Help Desk**  
**800.469.6530**

The screenshot shows the DRC INSIGHT website interface. At the top, there is a navigation bar with "DRC INSIGHT" and "WISCONSIN". Below this is a menu with "All Applications" and sub-menus for "General Information", "Announcements", "Documents", "Downloads", and "Test Tutorials". The "Downloads" menu is highlighted. A red arrow points to the "Downloads" menu with the text "Login is required". A blue starburst graphic on the left contains the text "eDIRECT has a new look!". Below the navigation is a section titled "Test Setup General Information" with a "Downloads" button. A table titled "Testing Software Down..." is partially visible, showing columns for "Platform" and "Operating Systems".

	Platform	Operating Systems
	Android	Android Lollipop 5.0 API 21, An
	Apple iOS	iOS 9.3, iOS 9.2, iOS 9.1, iOS 5
	Chromebook	Chrome OS recent stable channel

# WHAT'S NEW?



- **eDIRECT**

- New look and feel of embedded Applications menu navigation
  - Enhanced security with Single Sign On (SSO) system
  - Enhanced performance
  - eDIRECT updates on a rolling basis over the next few months
- **Moving toward release of eDIRECT 2.0**

# WHAT'S NEW?

- eDIRECT
  - SSO
    - More secure passwords
    - Email based password reset functionality
      - No need to call Help Desk to reset passwords.

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## Please Log In

**Username**

username is required

**Password**

password is required

[Forgot your username or password?](#)

 Log In

# WHAT'S NEW?



## ■ Testing Site Manager (TSM)

- Version 9.1
  - Visible Content Audits and Auto Corrections
  - 64-bit Windows TSM
    - Allows faster processing and higher testing volumes (up to 500 concurrent users on recommended hardware)
    - Greater TSM scalability
  - Distributed Content hosted securely in cloud (CloudFront) beginning Jan 2017
  - TSM Logs stored at DRC rather than local machine
  - Registration and Certificate Updates
  - Built-in Load Balancer URL Registration

# WHAT'S NEW IN 2017?



## ■ DRC INSIGHT

- Version 7.1.0 – Student devices should automatically prompt for an update on launch.
- More specific error messaging to help diagnose issues.
- More resiliency and retries for both content and response processing reaching DRC Servers.
- iPad app source is iTunes (not eDIRECT)
  - Requires Apple Volume Purchase Program (VPP)
  - iOS 9.3.5 and later automatically sets ASAM on launch/exit of INSIGHT

# WHAT'S NEW IN 2017?



## ■ AWS CloudFront Content Hosting

- Closer to users
- Auto-scalable
- Requires additional whitelisting

Program	URL	Port/Protocol
Wisconsin	<a href="http://wi-insight-client.drceirect.com">http://wi-insight-client.drceirect.com</a> <a href="https://wi-insight.drceirect.com">https://wi-insight.drceirect.com</a> <a href="https://wi.drceirect.com">https://wi.drceirect.com</a> <a href="https://wbte.drceirect.com">https://wbte.drceirect.com</a> <a href="https://dtk.drceirect.com">https://dtk.drceirect.com</a> <a href="https://api-gateway-cloud.drceirect.com">https://api-gateway-cloud.drceirect.com</a> <a href="https://api-gateway.drceirect.com">https://api-gateway.drceirect.com</a> <a href="https://cdn-content-prod.drceirect.com">https://cdn-content-prod.drceirect.com</a> <a href="https://cdn-download-prod.drceirect.com">https://cdn-download-prod.drceirect.com</a>	80/http; 443/https (applies to all of the URLs)

# WISCONSIN FORWARD SOFTWARE OVERVIEW

# QUICK START GUIDE

See Tech Guide "System Requirements and Testing Information"



## Spring 2017 Wisconsin Forward Exam Technology Coordinator Checklist



This checklist is intended to be used in conjunction with the **Technology User Guide**. See below for location.  
All tasks below are required for successful implementation.



✓	Task	When (Suggested)	Resources
	Review the <b>Technology Overview</b> presentation and <b>Technology Readiness Package</b>	8 – 12 weeks before testing begins	<a href="http://dpi.wi.gov/assessment/forward/technology">http://dpi.wi.gov/assessment/forward/technology</a>
	Whitelist the necessary URL and IP addresses (see <b>Technology User Guide</b> for specific URLs and IP addresses). Note: additional URLs need to be whitelisted in 2017 to support cloud-based content services.	4 – 8 weeks before testing begins	<a href="http://dpi.wi.gov/assessment/forward/technology">http://dpi.wi.gov/assessment/forward/technology</a>
	Install Testing Site Manager (TSM). Install <i>before</i> INSIGHT. DRC Recommends 1 TSM per 150 <i>concurrently</i> testing devices (32-bit TSM) or up to 500 <i>concurrently</i> testing devices (64-bit TSM) on <u>recommended</u> hardware.	4 – 8 weeks before testing begins	Download from <a href="https://wi.drccdirect.com">https://wi.drccdirect.com</a> – secure login required.
	Start the TSM and, if necessary, name it using the following naming convention: <i>district, school, building, location in the building</i>	4 – 8 weeks before testing begins	See "Using the TSM" in the <b>Technology User Guide</b> <a href="http://dpi.wi.gov/assessment/forward/technology">http://dpi.wi.gov/assessment/forward/technology</a>
	Start the Device Toolkit. Set up ORG Units and group your testing devices in the ORG Units.	4 – 8 weeks before testing begins	Access at <a href="https://wi.drccdirect.com">https://wi.drccdirect.com</a> – secure login required See "DRC INSIGHT Device Toolkit" in the <b>Technology User Guide</b> <a href="http://dpi.wi.gov/assessment/forward/technology">http://dpi.wi.gov/assessment/forward/technology</a>
	Install the INSIGHT testing software on testing devices	4 – 8 weeks before testing begins	Download from <a href="https://wi.drccdirect.com">https://wi.drccdirect.com</a> Refer to the <b>Technology User Guide</b> for specific device processes <a href="http://dpi.wi.gov/assessment/forward/technology">http://dpi.wi.gov/assessment/forward/technology</a>
	Complete a System Readiness Check on testing device(s)	4 – 8 weeks before testing begins	See "Using the System Readiness Check" in the <b>Technology User Guide</b> <a href="http://dpi.wi.gov/assessment/forward/technology">http://dpi.wi.gov/assessment/forward/technology</a>
	If you have students who will test using Video Sign Language (VSL - online delivery method for American Sign Language or ASL), review "Video Sign Language (VSL) Configuration" in the <b>Technology User Guide</b> .	4 – 8 weeks before testing begins	<b>Technology User Guide</b> <a href="http://dpi.wi.gov/assessment/forward/technology">http://dpi.wi.gov/assessment/forward/technology</a>
	If you have students who will test using TTS, review "Text-to-Speech (TTS) Configuration" in the <b>Technology User Guide</b> .	4 – 8 weeks before testing begins	<b>Technology User Guide</b> <a href="http://dpi.wi.gov/assessment/forward/technology">http://dpi.wi.gov/assessment/forward/technology</a>
	Run at least one Wisconsin Forward Online Tools Training (OTT – practice test) at each testing location. DRC	1 – 2 weeks before testing begins	See "Student Directions and Practice Items" in the <b>Technology User Guide</b>

- Be sure to check out the checklist in the **Technology User Guide**
- Sequence is very important!

# SOFTWARE OVERVIEW



- What is DRC INSIGHT?
  - Secure Web Browser for Student Testing
  - Install on each testing device
  - System Readiness Check
  - If INSIGHT is already installed for ACCESS for ELLs, there is no need to download INSIGHT to those machines again.

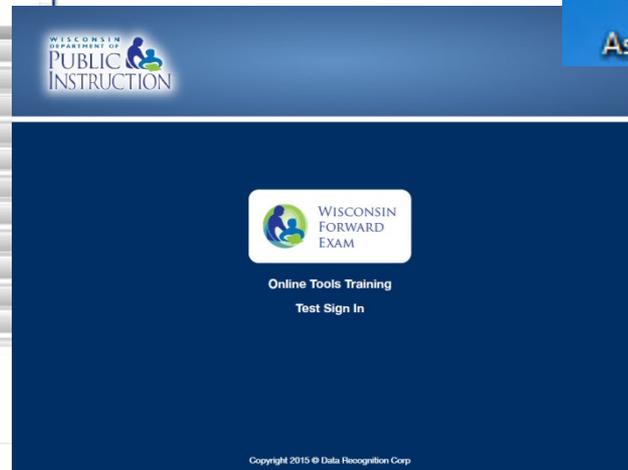
System Information			
Client Version	Configuration Source	Installation Directory	
5.2.0	Local File	C:\Program Files (x86)\DRC Online Assessments	
Machine Name	User Name	OS Level	OS Version
MGLT11682	CMathwig	Microsoft Windows 7 Professional Service Pack 1 (build 7601), 64-bit	6.1
Response Caching TSM Connection	Response Caching TSM Configuration	Content Caching TSM Connection	Content Caching TSM Configuration
https://localhost:8443/	Yes	https://localhost:8443/	Yes
HTTP Proxy	District	School	
	DRC Use Only - Sample District	DRC Use Only - OTT 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
✓	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

Load Results   Execute Tests   Test Audio   DRC INSIGHT Properties   Exit

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# SOFTWARE OVERVIEW



- What is the Testing Site Manager (TSM)?
  - Content and Response Caching
  - Install prior to installing INSIGHT
  - Other Tools: Load Simulation, Ping Trends
  - The WI Forward must be downloaded from [wi.drccedirect.com](http://wi.drccedirect.com) and may not be installed on machines where an ACCESS for ELLs TSM is already installed. (Both TSMs need port 8080 and other dedicated resources)

The screenshot shows the Testing Site Manager (TSM) web interface. At the top, it displays the title "Testing Site Manager (TSM)" and a sub-header "(Includes Local Caching Service [LCS] capabilities)". Below this, it shows the TSM Name as "DRC/Christy", the TSM Version as "7.2.0", and the TSM Server as "10.2.353.363". There is a link to "See Tech Guide 'Testing Site Manager (TSM)'" and three buttons: "Content Caching", "Response Caching", and "Tools".

The main content area shows "Last Updated: 2/1/2016 11:07:17 PM" and an "Update Content" button. Below this is a "Content List" table with a search bar and a "records per page" dropdown set to "10".

Content	Status	Download VSL	Download TTS
553200 - Wisconsin Forward Spring 2016	Up to Date	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

At the bottom, it says "Showing 1 to 1 of 1 entry" and has navigation buttons for "Previous", "1", and "Next".

# TESTING SITE MANAGER (TSM)

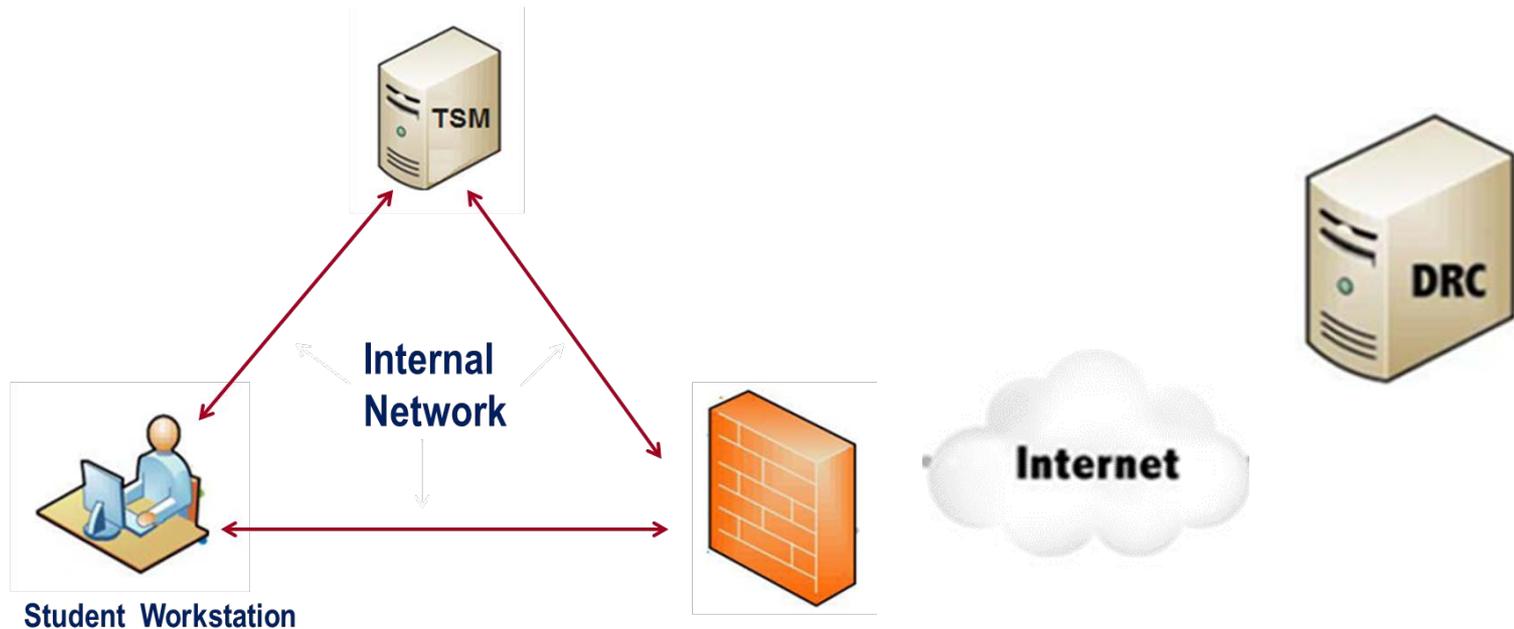


- **Why a Testing Site Manager?**
  - Reduces demand on bandwidth by storing test content
  - Many different installation configurations are possible to fit many network profiles.
  - Required for online accommodated tests
    - Text-to-Speech
    - Video Sign Language (VSL – online delivery for American Sign Language)
  - Saves student responses if the internet connection between the Testing Site and DRC is temporarily lost
  - Includes tools to aid Technology Coordinators during setup and testing of Insight/TSM.

**Helpful Hint:** An internet connection is required upon login. The username and password must be verified by our servers to release the test content.

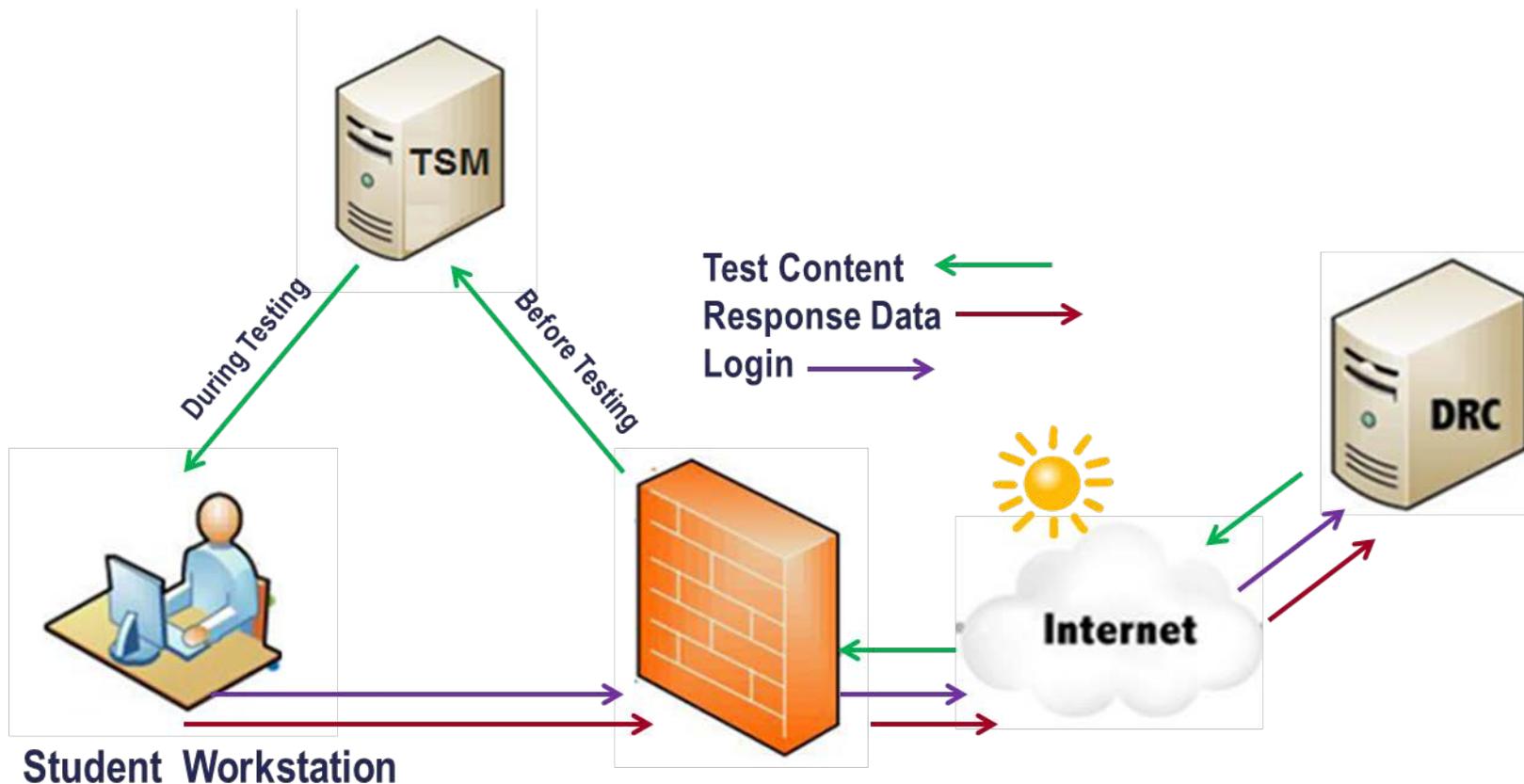
# SOFTWARE OVERVIEW

- How do DRC INSIGHT and the TSM work together?
  - Content Caching – bandwidth assistance
  - Response Caching
  - Must be on shared network to communicate
  - Internet connection needed to login to test with or without TSM



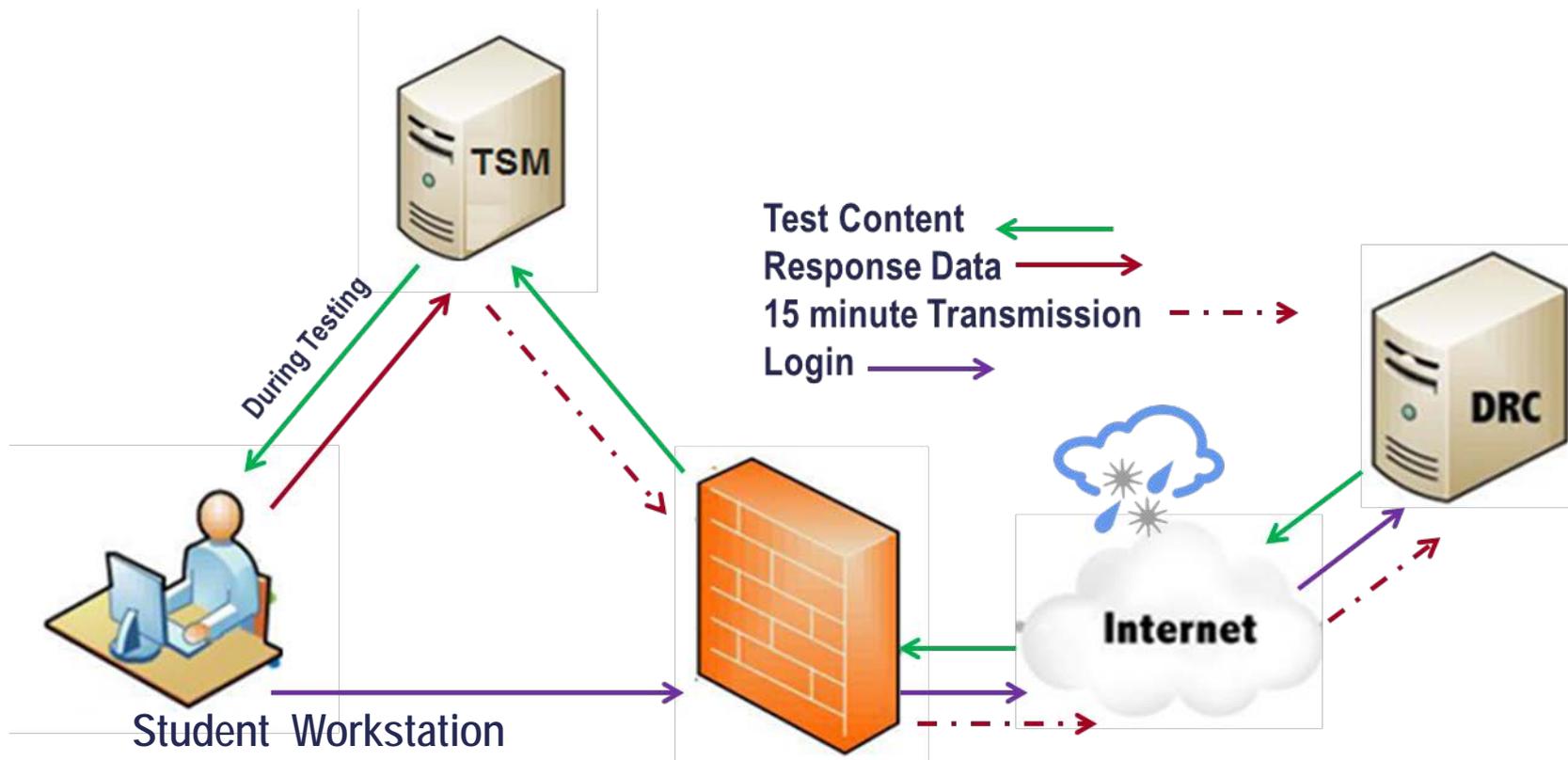
# TSM AND INSIGHT

- **First Scenario** (Internet connection is strong and all testing URLs whitelisted): Response Data will bypass the TSM and go directly to DRC servers through the Internet.



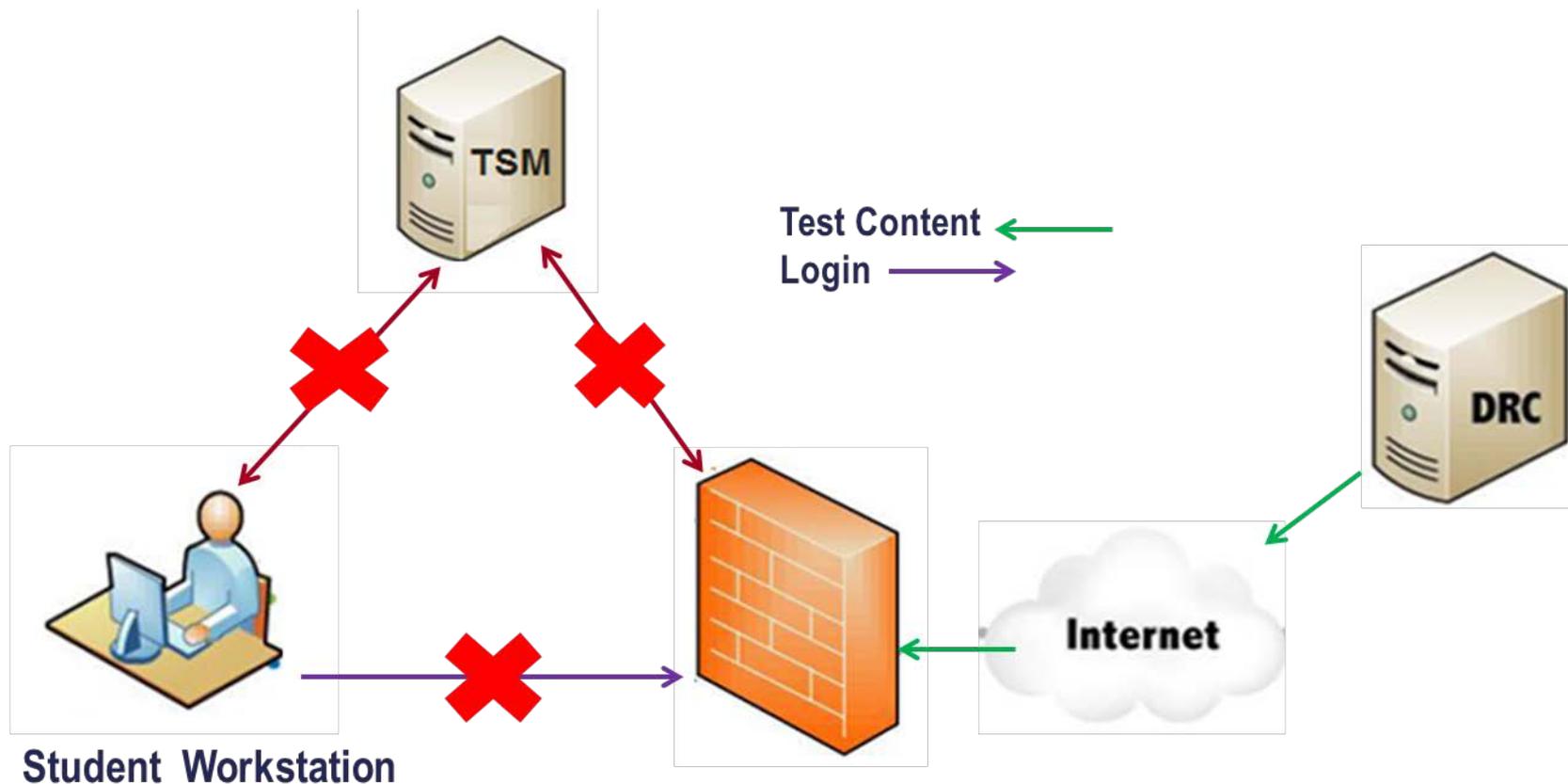
# TSM AND INSIGHT

- **Second Scenario** (external internet disruption): Response Data stored in the TSM. TSM will attempt a transmission every 15 minutes. The student can continue testing.



# TSM AND INSIGHT

- **Third Scenario:** (internal internet disruption): the student will be removed from testing. Tech needs to verify TSM settings, whitelisting and identify potential outages and abnormalities.



# SUPPORTED DEVICES

See Tech Guide "System Requirements and Testing Information"



- **INSIGHT**

- Windows
- Mac
- Linux (Ubuntu)
- iPad
- Chromebook
- Android

- **TSM**

- Windows (machine or server)
- Mac (machine only)
- Linux (Ubuntu machine only)

# SYSTEM REQUIREMENTS - INSIGHT



See Tech Guide "System Requirements and Testing Information"

The information below is for general information only. Be sure to check for the most current version on eDIRECT or the DPI website.

OS Version		Processor/ Memory/ Disk Space	Allowed Devices
<p><b>Windows</b> Latest UPDATES for the following:</p> <ul style="list-style-type: none"> <li>Windows 7 SP1</li> <li>Windows 8.1 (and for only specific touch devices)</li> <li>Windows 10 1507</li> <li>Windows 10 1511 to be sunsetted 12/31/2016</li> <li>Windows Server 2008 R2 SP1</li> <li>Windows Server 2012</li> <li>Windows Server 2012 R2 Update</li> </ul> <p><b>Mac (OS X)</b></p> <ul style="list-style-type: none"> <li>OS X 10.9.x (Maverick)</li> <li>OS X 10.10.x (Yosemite)</li> <li>OS X 10.11.x (El Capitan)</li> <li>macOS Sierra (10.12) pending SQA</li> <li>Mac Server software is not supported</li> </ul> <p><b>iPad (iOS) iPad 2 or newer</b></p> <ul style="list-style-type: none"> <li>iOS 9.x (latest release)</li> </ul>	<p><b>Chromebook (Chrome OS)</b></p> <ul style="list-style-type: none"> <li>Latest stable channel version of Chrome OS</li> </ul> <p>Non-touch-screen devices plus the following touch screen devices:</p> <ul style="list-style-type: none"> <li>Acer C720P</li> <li>Acer R11 C738T</li> <li>ASUS CB flip C100PA</li> <li>Lenovo N20P</li> <li>Dell Chromebook 11</li> <li>HP Chromebook 14 G3</li> <li>Chromebox (pending SQA )</li> </ul> <p><b>Android</b></p> <ul style="list-style-type: none"> <li>Lollipop 5.x (GPfE specific devices)</li> <li>Marshmallow 6.0 or higher</li> </ul> <p>All Android devices must be supported by and enrolled in Google Play for Education (GPfE), and must meet DRC's minimum system requirements. Currently, the following devices meet these requirements:</p> <ul style="list-style-type: none"> <li>ASUS Transformer Pad (K010E)</li> <li>Dell Venue 10 (5050)</li> <li>Google's Pixel C</li> </ul> <p><b>Linux</b></p> <ul style="list-style-type: none"> <li>Ubuntu - 12.04 LTS, 32+64 bit</li> <li>Ubuntu 14.04 LTS, 32+64 bit</li> <li>Ubuntu 16.04 LTS, 32+64 bit using Gnome 3.4, Unity Shell</li> </ul> <p><b>Note:</b> Ubuntu Server software is not supported</p> <p>Non-touch-screen devices</p>	<p><b>Processor:</b> dual-core i3 @ 2 GHz</p> <p>If using TTS/VSL: 2x dual-core i5@ 2 GHz</p> <p><b>Memory:</b> Minimum: 2 GB RAM</p> <p>Recommended: 4 GB</p> <p><b>Unused Disk Space:</b> Minimum: 10 GB</p> <p>Recommended: 20 GB</p>	<p>Mouse, keyboard (wired or wireless), and touchpad.</p> <p><b>Headphones required for ELA assessments and TTS accommodations</b></p> <p><b>External iPad keyboard required for constructed response items</b></p>

# SYSTEM REQUIREMENTS - TSM



Tech Guide "System Requirements and Testing

- **Testing Site Manager (TSM) System Requirements**
  - A TSM with Content Caching is required for Text to Speech (TTS) and Video Sign Language (VSL – online delivery method for American Sign Language).

## OS Version

### Windows

- Latest UPDATES for the following :
  - Windows 8.1
  - Windows 10 1507
  - Windows 10 1511 to be sunsetted 12/31/2016
  - Windows Server 2008 R2 SP1
  - Windows Server 2012
  - Windows Server 2012 R2 Update
- Note: Java 1.7 is required for the TSMs 9.x

### Mac (OS X)

- OS X 10.9.x (Maverick)
  - OS X 10.10.x (Yosemite)
  - OS X 10.11.x (el Capitan)
  - macOS Sierra (10.12) pending SQA
  - Mac Server software is not supported
- Note: Java 1.7 is required for the TSMs 9.x

### Linux

- Ubuntu - 12.04 LTS, 32+64 bit
  - Ubuntu 14.04 LTS, 32+64 bit
  - Ubuntu 16.04 LTS, 32+64 bit using Gnome 3.4, Unity Shell
- Note: Java 1.7 is required for the TSMs 9.x

### Supported Web Browsers

- The latest versions of Chrome and Firefox.

This information is for general information only.  
Be sure to check for the most current version on  
eDIRECT or the DPI website.

# SYSTEM REQUIREMENTS - TSM



Tech Guide “System Requirements and Testing”

- Testing Site Manager (TSM) System Requirements
  - A TSM with Content Caching is required for Text to Speech (TTS) and Video Sign Language (VSL – online delivery method for American Sign Language).

TSM Version	Supported Devices	Number of Concurrent Testers	Processor	Available Memory	Minimum Available LAN Bandwidth	Available Disk Space
32-bit TSM	32-bit Windows, Linux—desktop and laptop devices	1–25	<u>Minimum*</u> Dual-core i3 at 2.4 GHz or equivalent  <u>Recommended</u> Dual-core i5 at 2.4 GHz or equivalent	<u>Minimum</u> 2 GB RAM  <u>Recommended</u> 4 GB RAM	50 Mb	<u>Minimum</u> 10 GB  <u>Recommended</u> 20 GB or more
		26–150	<u>Minimum</u> 2x dual-core i5 at 2.4 GHz or equivalent  <u>Recommended</u> 2x dual-core i5 at 2.4 GHz or equivalent	<u>Audio Accommodations</u> 4 GB RAM	100 Mb	<u>Audio Accommodations</u> 20 GB or more
64-bit TSM	64-bit Windows, Mac (OS X and macOS), Linux—desktop and laptop devices	1–25	<u>Minimum</u> Dual-core i3 at 2.4 GHz or equivalent  <u>Recommended</u> Dual-core i5 at 2.4 GHz or equivalent	<u>Minimum</u> 2 GB RAM  <u>Recommended</u> 4 GB RAM	50 Mb	<u>Minimum</u> 10 GB  <u>Recommended</u> 20 GB or more
		26–150	<u>Minimum</u> 2x dual-core i5 at 2.4 GHz or equivalent  <u>Recommended</u> 2x dual-core i5 at 2.4 GHz or equivalent	<u>Audio Accommodations</u> 4 GB RAM	100 Mb	<u>Audio Accommodations</u> 20 GB or more
		151–500	4x dual-core i5 at 2.4 GHz or equivalent	8 GB RAM	200 Mb	

# SYSTEM REQUIREMENTS - TSM

Tech Guide "System Requirements and Testing"



## Important:

- The TSM should not be installed on mobile or touch-screen devices.
- The TSM should be connected to the network through a wired connection.
- A TSM configured for response caching can handle fewer concurrent testers when response caching is active.

## Minimum vs. Recommended

Minimum level of requirements represents a low compliance threshold. Districts or schools planning to test more than a minimum number of students should exceed the minimum level of requirements. DRC advises using the Recommended level or above.

# TSM MATH



- How many TSMs?
  - The TSM is flexible
    - 25 testers per TSM (minimum hardware requirements)
    - 150 testers per TSM (single 32-bit TSM, recommended hardware requirements)
    - 151 – 500 testers per TSM (Windows 64-bit TSM, on recommended hardware).
    - Windows 64-bit TSM can be scaled to server-class hardware.
    - Load-balanced pool of TSMs (built-in Load Balancer registration)
  - Plan the TSM architecture that best suits your site's needs
    - Create a installation plan (centralized? distributed? Load-balanced?)
    - Configuration plan (minimum 1 ORG Unit per TSM URL)
    - Test your system capacity (Load Simulator, Ping Trends)
    - Scheduling testing to match your system capacity
    - We can help!

- TSM enhancements – Content Download Verification

## Testing Site Manager (TSM)

(includes Local Caching Service [LCS] capabilities)

TSM Name: Local WI Prod TSM

TSM Version: 9.1.0\_0

TSM Server Domain: c47c3e23-legacy-prod.drc-centraloffice.com

TSM Server IP: 10.11.1.71

 Content Caching

 Response Caching

 Tools

- File Count Display to verify that all content has been downloaded and that there are no missing files

Last Updated: 09/14/2016 07:00:39 PM

[Update Content](#) [Recheck Content](#)

10 records per page

### Content List

Search:

Content	Status	Download TTS	Download VSL	File Count	Download Results	Retry Content
553200 - Wisconsin Forward Exam Spring 2016	Up to Date	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	13089/13089	<a href="#">Download</a>	<a href="#">Update</a>

Showing 1 to 1 of 1 entries

← Previous 1 Next →

- TSM enhancements

- Content download verification
  - The TSM can validate downloaded test content to identify missing or corrupted files

**Testing Site Mar**  
(includes Local Caching Service)

TSM Name: Local WI Prod TSM

TSM Version: 9.1.0\_0

TSM Server Domain: c47c3e23-le

TSM Server IP: 10.11.1.71

[Content Caching](#) [Response](#)

Last Updated: 09/14/2016 07:...

[Update Content](#) [Recheck Content](#)

	A	B
1	Filename	Downloaded
2	0002201b1f1c354dc7f2049dca5f2433.mp3	complete
3	000a24110ef527f0492201ab8b96db88.mp3	complete
4	000aa8ee1a0301b519e3b7b4de103aa9.mp3	complete
5	000eb74fff8a1c071c7d21303791ddfc.mp3	complete
6	000ec21a0942a0f640a7179d8c82301a.mp3	complete
7	0011a238-33b1-4139-a422-a36f019b6a0e.mp3	complete
8	00157937c119e5b919d247e9ee91fd63.mp3	complete
9	00168be9c95e113e03e6fd73bc7602cc.mp3	complete
10	001db9e5082cf8d41318f696180b725f.mp3	complete
11	001e5530f24bd90553da09fee8432bd4.mp3	complete
12	001edf9d6a297e055162c89a5c4cc61e.mp3	complete
13	00203dfc-63a9-4fb1-9117-b23b961dfb63.mp3	complete
14	00236092d5fac214249a5c1ffce42799.mp3	complete

■ File Results is an export of every file listed for content and whether or not it has been downloaded.

10 records per page

**Content List**

Search:

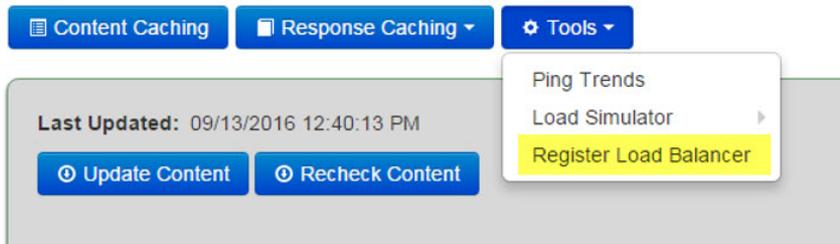
Content	Status	Download TTS	Download VSL	File Count	Download Results	Retry Content
553200 - Wisconsin Forward Exam Spring 2016	Up to Date	☑	☑	13089/13089	<div style="border: 2px solid red; padding: 2px;"> <a href="#">Download</a> </div>	<a href="#">Update</a>

Showing 1 to 1 of 1 entries

← Previous 1 Next →

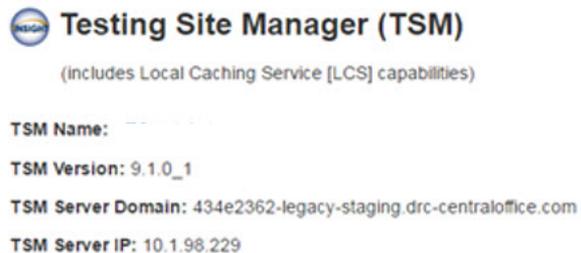
# TSM

- TSM enhancements: Load Balancer Registration



A screenshot of the TSM interface showing a navigation bar with three buttons: 'Content Caching', 'Response Caching', and 'Tools'. The 'Tools' button is selected, and a dropdown menu is open, listing 'Ping Trends', 'Load Simulator', and 'Register Load Balancer'. Below the navigation bar, there is a status bar with the text 'Last Updated: 09/13/2016 12:40:13 PM' and two buttons: 'Update Content' and 'Recheck Content'.

NOTE: Response Caching is NOT supported when using a load balancer.



A screenshot of the 'Testing Site Manager (TSM)' configuration page. The page title is 'Testing Site Manager (TSM)' with a sub-note '(includes Local Caching Service [LCS] capabilities)'. Below the title, there are four lines of configuration information: 'TSM Name: [redacted]', 'TSM Version: 9.1.0\_1', 'TSM Server Domain: 434e2362-legacy-staging.drc-centraloffice.com', and 'TSM Server IP: 10.1.98.229'.

Make sure to record this system-generated Load Balancer Domain URL for future reference.



A screenshot of the 'Load Balancer Registration' form in the TSM interface. The form has a navigation bar with 'Content Caching', 'Response Caching', and 'Tools' buttons. Below the navigation bar, there are two input fields. The first is 'Load Balancer IP Address' with the value '10.1.108.212' and a 'Register' button. The second is 'Load Balancer Domain URL' with the value '83eee632-legacy-lb-staging.drc-centraloffice.com'. A red speech bubble points to the domain URL field.

# TSM INSTALLATION

See Tech Guide "Windows Installation" or "Mac (OS X) Installation"



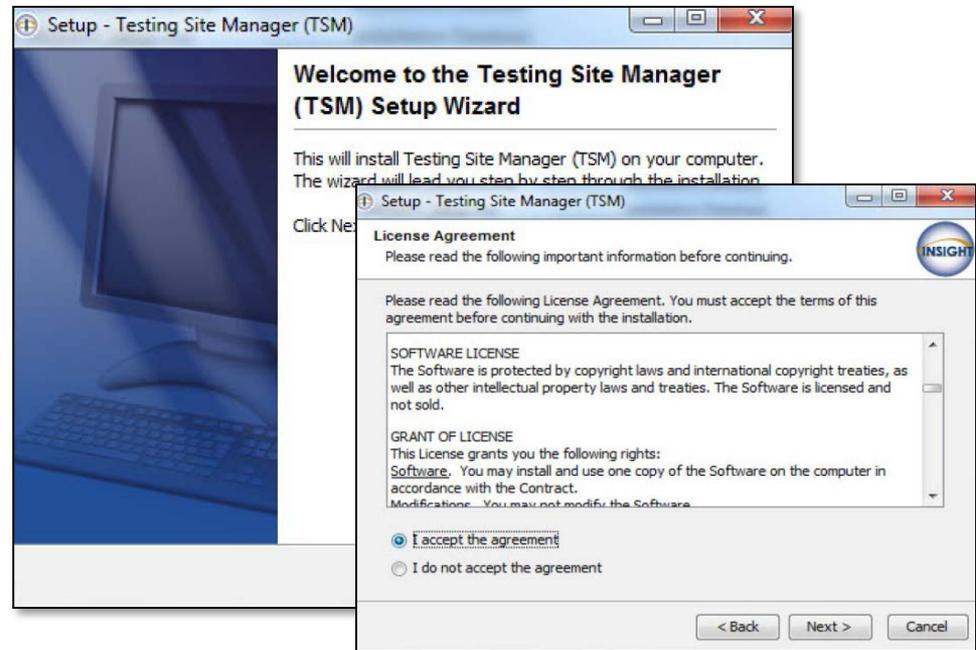
- Install (prior to INSIGHT)
- Launching/Naming TSM
- Download Media Files (TTS, VSL)
- Updating Content
- Cached Responses

# TSM INSTALLATION

See Tech Guide "Windows Installation" or "Mac (OS X) Installation"

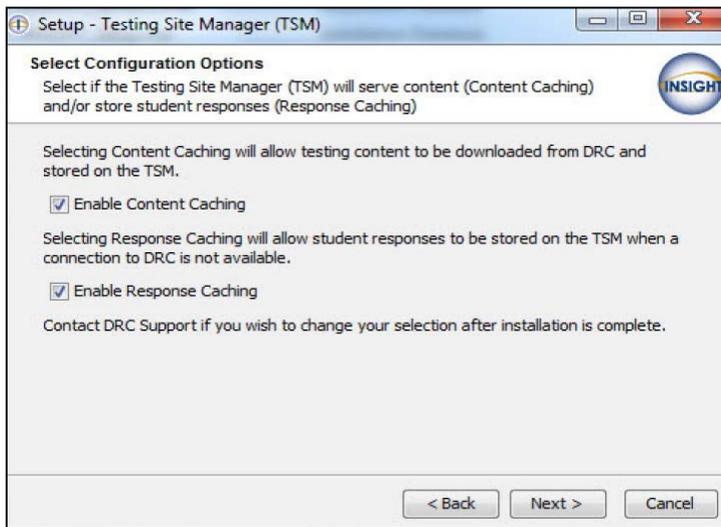
- Installation requires administrative rights\*
- Install the TSM before installing INSIGHT—computers using INSIGHT must be configured to connect to the TSM
- Launch the Installation Wizard and accept the User Agreement

*\*To install the TSM, the user must have read/write privileges to the installation folder under an Administration user profile. Most "Student" or "Guest" profiles do not have these rights.*



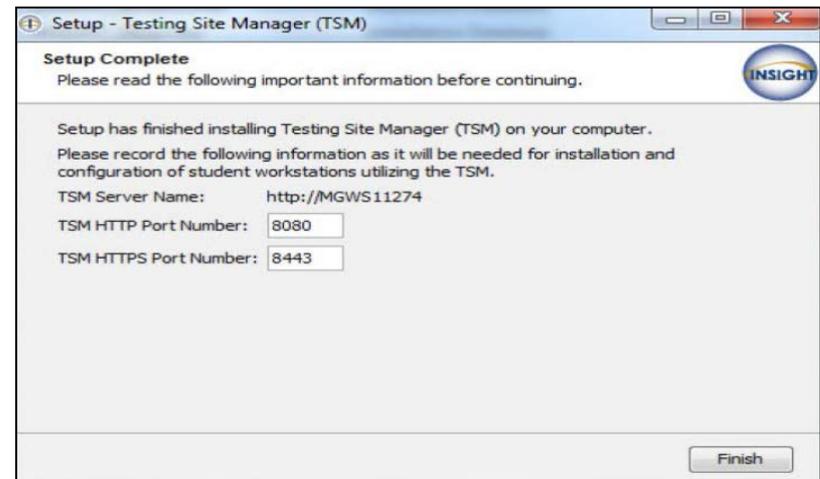
# TSM INSTALLATION

See Tech Guide "Windows Installation" or "Mac (OS X) Installation"



- **The Wizard pulls the computer name from the machine and this will serve as the TSM Server Name**
- **Districts will need to record this name and take note of the two port numbers 8080 and (usually) 8443 for later set-up and configuration**

- **Content Caching and Response Caching are checked as the default settings**
- **Content caching is required for accommodated testing**
- **Separate TSMs can be configured to handle Content Caching and Response Caching independently.**

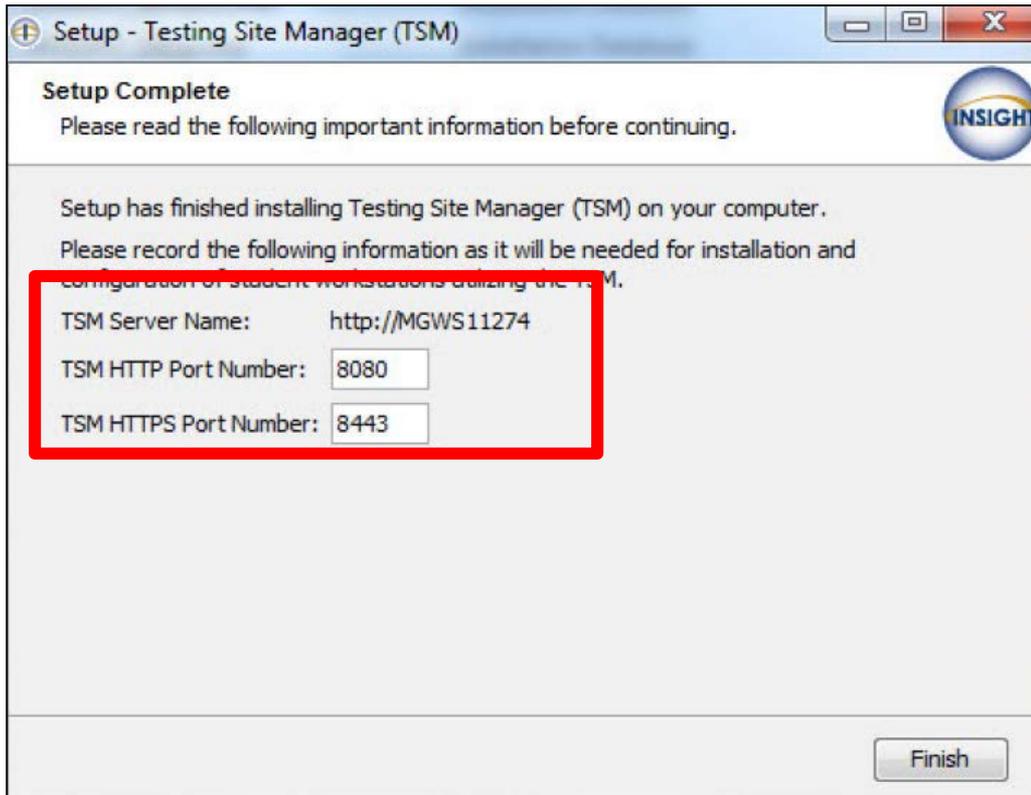


# TSM INSTALLATION

See Tech Guide "Windows Installation" or "Mac (OS X) Installation"



- **The TSM Server Name is vital during the installation of the INSIGHT software. The TSM Server Name and Port Numbers are what connect the INSIGHT installation on student machines to the Testing Site Manager**



- **The TSM Server Name serves as a destination and the Port Numbers are the pathways the data uses to get from one destination to another**

# TSM INSTALLATION

See Tech Guide "Windows Installation" or "Mac (OS X) Installation"



- Open **http://localhost:8080** in a web browser\* on the machine housing the TSM or launch from the **TestingSiteManager** shortcut in the Start or Applications menu of the host machine
- Prompt for TSM name upon initial launch
- Naming convention: **district + school + location in building**

### Enter Testing Site Manager Name

TSM Name:

*\* Internet Explorer is not a supported browser for the TSM Page*

# DTK AND ORG UNITS

See Tech Guide "Configuring Devices for Testing"



- **DRC provides a platform called the Device Toolkit (DTK) that one can use to connect student computers to the TSM on their network. A district can create groupings of computers called "ORG Units" within the Device Toolkit where each unit is connected to a unique TSM. One can also group them by location. The district or school can then deploy those ORG Unit settings to the installed INSIGHT software and register the devices to the Toolkit in a few simple steps. All Devices will connect through the DTK**

A screenshot of the DRC INSIGHT WISCONSIN eDIRECT interface. The top navigation bar is dark blue with the DRC INSIGHT logo and "WISCONSIN" on the left, and "Welcome" on the right. Below this is a light blue bar with "All Applications" and a dropdown arrow. A secondary navigation bar contains several menu items: "General Information", "Administration Setup", "User Management", "Materials", "Student Management", "Test Management", "Device Toolkit", and "Report Delivery". The "Device Toolkit" item is highlighted with a red rectangular box. Below the navigation bar, the main content area has the DRC CORPORATION logo on the left and the text "Welcome to eDIRECT" followed by a congratulatory message and a link to the "All Applications" screen.

DRC INSIGHT WISCONSIN Welcome

All Applications ▾

General Information Administration Setup User Management Materials Student Management Test Management **Device Toolkit** Report Delivery

**DATA RECOGNITION**  
**DRC**  
CORPORATION

## Welcome to eDIRECT

Congratulations, you have successfully logged on.

Several helpful links are just a click away. Please take time to familiarize yourself with the navigation menu under **All Applications** screen.

# CONFIGURING THE DTK

See Tech Guide "Configuring Devices for Testing"



## DRC INSIGHT™ DEVICE TOOLKIT

A screenshot of the DTK interface. It features two dropdown menus: "District" with "SAMPLE DISTRICT" selected, and "School" with "SAMPLE SCHOOL OTT" selected. Below these is a green button labeled "Add a new ORG Unit" which is circled in black.

When the DTK displays, select a district and school from the dropdowns. Users will only be able to see the sites where they have permissions in eDIRECT.

From the DTK, click "Add a new ORG Unit" to create a new unit. It is recommended to assign organized naming conventions to help categorize the devices. DRC recommends:

**Location, Lab/Mobile Cart, Device OS, or TSM.**

A screenshot of the "Add New ORG Unit" dialog box. The "ORG Unit Name" field contains the text "Dist 5, School 5, Rm 5". At the bottom right, there are "Close" and "Save Changes" buttons.

# CONFIGURING THE DTK

See Tech Guide “Configuring Devices for Testing



## Configuration for MadQA

Configuration [Create Configuration Files](#) [Devices](#) [Logs](#)

**ORG Unit ID**

**ORG Unit Name**

**Proxy Host**   
(Proxy host address is only needed when using a Proxy Server. Check with your Network Administrator.)

**Enable Auto Update**

**Enable Content Caching**

**Enable Load Simulation**

**TSM Content Caching and Simulation Server Name**

**Enable Response Caching**

**TSM Response Caching Server Name**

The configuration page for an ORG Unit displays a unique ORG Unit ID. The user will need this ID in order to connect the devices to the Toolkit, whether through deployment or manual connection.

# CONFIGURING THE DTK

See Tech Guide "Configuring Devices for Testing"



## Configuration for MadQA

Configuration   Create Configuration Files   Devices   Logs

ORG Unit ID   Xyvj6UvVb

ORG Unit Name   MadQA

Proxy Host   e.g., http://10.3.97.118:8080/  
(Proxy host address is only needed when using a Proxy Server. Check with your Network Administrator.)

Enable Auto Update  

Enable Content Caching  

Enable Load Simulation  

TSM Content Caching and Simulation Server Name   https://c47c3e23-legacy-prod.drc-centraloffice.com:8443/

Enable Response Caching  

TSM Response Caching Server Name   https://c47c3e23-legacy-prod.drc-centraloffice.com:8443/

Update Configuration   Delete ORG Unit   Cancel

### Helpful Hint:

TTS requires Content Caching to be checked. Without a TSM, as many devices as needed can be placed in the DTK. With a TSM, plan for a limit of 150 *simultaneous* testers when recommended hardware levels are used. More devices can be added if they are not planned to be used simultaneously or if a Windows 64-bit TSM is used.

A user can configure all devices in an ORG Unit to a TSM at one time on the configuration page in the DTK. It is the same information within the DRC INSIGHT PROPERTIES in System Readiness. The user will want to check the appropriate settings.

# CONFIGURING THE DTK

See Tech Guide "Configuring Devices for Testing"



## Configuration for MadQA

Configuration | Create Configuration Files | Devices | Logs

**ORG Unit ID** Xyv6UvVb

**ORG Unit Name** MadQA

**Proxy Host** e.g., http://10.3.97.118:8080/  
(Proxy host address is only needed when using a Proxy Server. Check with your Network Administrator.)

**Enable Auto Update**

**Enable Content Caching**

**Enable Load Simulation**

**TSM Content Caching and Simulation Server Name** https://c47c3e23-legacy-prod.drc-centraloffice.com:8443/

**Enable Response Caching**

**TSM Response Caching Server Name** https://c47c3e23-legacy-prod.drc-centraloffice.com:8443/

**Testing Site Manager (TSM)**  
(includes Local Caching Service [LCS] capabilities)

**TSM Name:** Local WI Prod TSM

**TSM Version:** 9.1.0\_0

**TSM Server Domain:** c47c3e23-legacy-prod.drc-centraloffice.com

**TSM Server IP:** 10.11.1.71

If content and response caching are enabled, the user will need to insert the TSM Server Domain into the URL connecting the devices to the TSM. The structure is as follows: <https://TSMServerDomain:port/>. This URL tells the devices where to send information and how to send it.

# CONFIGURING THE DTK

See Tech Guide "Configuring Devices for Testing"



## Helpful Hints:

- It is required to use the secure *https* protocol to connect to the TSM to support the transmission of encrypted test content. *Http* will fail if used.
- A forward slash (/) is required at the end of the URL in order to connect.
- 8443 is the default but is not a required port number. Other ports can be used at installation (be sure to record the port chosen for use in DTK). **Port 8080 is required for accessing the TSM webpage.**
- If an IP address is used, it should be static and not dynamic. If the TSM IP address is dynamic, it could differ from the configuration in the Device Toolkit

## Configuration for MadQA

Configuration [Create Configuration Files](#) [Devices](#) [Logs](#)

ORG Unit ID Xyvj6UvVb

ORG Unit Name

Proxy Host   
(Proxy host address is only needed when using a Proxy Server. Check with your Network Administrator.)

Enable Auto Update

Enable Content Caching

Enable Load Simulation

TSM Content Caching and Simulation Server Name

Enable Response Caching

TSM Response Caching Server Name

Select "Update Configuration" once the settings are in place.

# CONFIGURING THE DTK

See Tech Guide "Configuring Devices for Testing"



Once the ORG Unit is configured, a user can create a configuration file of the ORG Unit under the "Create Configuration Files" tab. A user can deploy this file to the devices with installed INSIGHT software. This configuration registers the devices to the Device Toolkit ORG Unit when the INSIGHT software is launched.

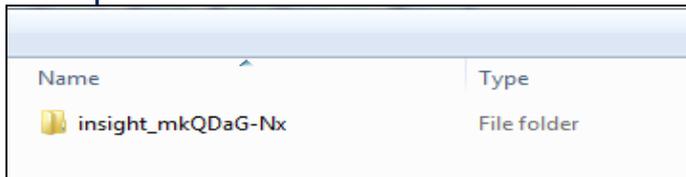
The image shows two screenshots of the DRC INSIGHT Device Toolkit interface. The top screenshot shows the "Configuration for Dist 5, School 5, Rm 5" page with the "Create Configuration Files" tab selected. A red circle highlights the "Create Configuration Files" tab, and another red circle highlights the "Create" button. The bottom screenshot shows the same page with the "Save" button highlighted by a red circle. The interface includes a sidebar with "District" and "School" dropdown menus, and a "Create Configuration Files" tab. The main content area displays the configuration details and the "Create" button. The bottom screenshot shows the "Save" button highlighted, indicating the final step in the configuration process.

# CONFIGURING THE DTK

See Tech Guide "Configuring Devices for Testing"

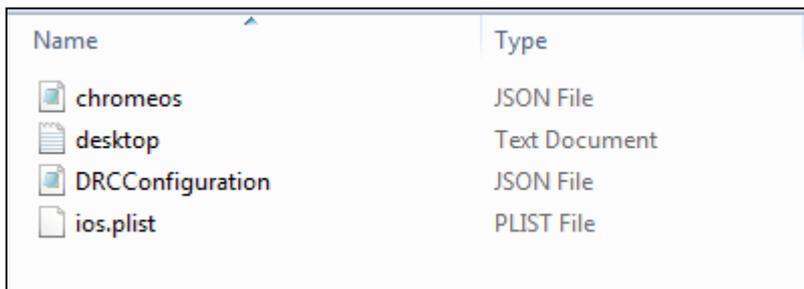


When a user "Creates" and "Saves," a zip file is saved to the Downloads folder on your computer.



Once the zip file is opened, three configuration files appear along with one file of silent install commands.

- The Chromeos.json file is used for Chromebooks
- The DRCConfiguration.json is used for Windows and Mac machines. The ios.plist is used for iPads



## Helpful Hint:

The Desktop file has a silent install command line for Windows, Mac and Linux. It is recommended to seek Level 2 technical assistance with the silent install commands.

# CONFIGURING THE DTK

See Tech Guide "Configuring Devices for Testing"



If the configuration file is opened in Textpad/Notepad, it will only have a select number of parameters. The most important parameter is the ouIDs which is the ORG Unit ID (example in red). This information registers the devices to the Device Toolkit once the software is launched for the first time. See the "Configuring Devices for Testing" section of the Technology User Guide for more information.

## Chromeos.json – Chromebooks

```
{"ouIds":{"Value":["mkQDaG-Nx"]}}
```

## DRConfiguration.json – Macs, Windows, Linux

```
{ "config":{ "httpsProxy":""," }, "ouIds":[ "mkQDaG-Nx" ], "toolkitUrl":  
"https://dtk.drceirect.com/v2/registrations/"}
```

## los.plist – iPads

```
<?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> <array> <string>mkQDaG-  
Nx</string> </array></dict>
```

DATA RECOGNITION

# CONFIGURING THE DTK

See Tech Guide "Configuring Devices for Testing"



## Creating Configuration Files for Multiple Testing Programs (such as ACCESS for ELLs and WI Forward)

1. Select the Device Toolkit from <https://wi.edirect.com> or <https://www.wida-ams.us/>
2. Use each Device Toolkit to create ORG Unit configuration files.
3. Combine the ORG Unit's configuration with another ORG Unit configuration file to group the configurations.
4. After the combined configuration file is distributed to the device, the user will be prompted to select the appropriate testing program upon launching INSIGHT.

Select your testing program:

WIDA

Wisconsin

# CONFIGURING THE DTK

See Tech Guide "Configuring Devices for Testing"



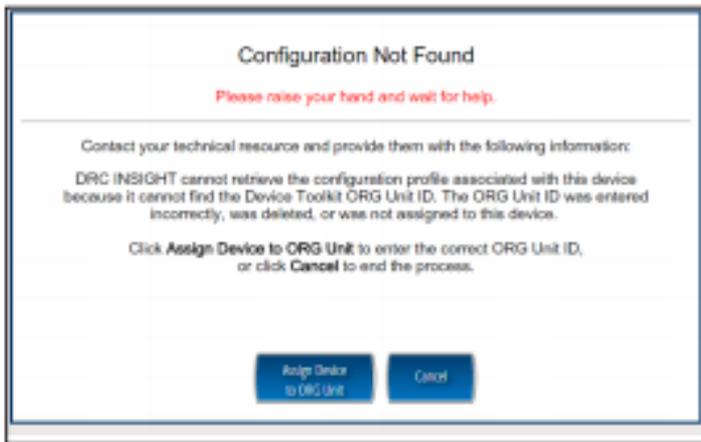
Once the Configuration file is downloaded, it is best to save it to the desktop or a location that can be found easily. Deploy the configuration file after the unlaunched INSIGHT software is deployed.

## Helpful Hints:

- **DO NOT** register a device to the Device Toolkit and then deploy that registered installation. This will cause every device to have the same Device ID as the original, tested computer in the DTK. It will also create one device for load simulation. This is not supported.
- **DO NOT** turn on your Desktop Protection Software (such as Deep Freeze) until all the devices have been launched and registered to the DTK. If devices are registered after protection settings have been enabled, devices will continue to re-register to the DTK every time the software is launched.
- **Manually:** Only copy and paste a configured, but unlaunched, version of INSIGHT if going from device to device. Create a shortcut to the desktop. There must be an individual install on each client - no shared links or shared shortcuts.
- Deploy Configuration File to the following locations:
  - **Windows:** C:Drive>Program Files>DRC INSIGHT Online Assessments
  - **Mac:** Applications>DRC INSIGHT Online Assessments
  - **Chromebook:** Upload in Device Management in admin.google.com
  - **iPads:** Through an MDM that supports Managed App Configuration
  - **Androids:** Through an MDM that supports Managed App Configuration

# CONFIGURING THE DTK

See Tech Guide "Configuring Devices for Testing"



If INSIGHT is launched and cannot register with the DTK, the message "Configuration Not Found" displays on the screen.

Add the ORG Unit ID from the Device Toolkit. Once added, the device will register with the DTK.



# CONFIGURING THE DTK

See Tech Guide "Configuring Devices for Testing"

A screenshot of the DTK Configuration interface. The title is "Configuration for Dist 5, School 5, Rm 5". On the left, there are dropdown menus for "District" (SAMPLE DISTRICT) and "School" (SAMPLE SCHOOL OTT). Below these is a green button "Add a new ORG Unit" and a list of ORG Units: "Dist 4, School 3, Rm 2, Chrome", "Dist 4, School 3, Rm 7, Chrome", and "Dist 5, School 5, Rm 5" (highlighted). The main area has tabs for "Configuration", "Create Configuration Files", "Devices", and "Logs". Under the "Devices" tab, there are buttons for "Select All", "Move Device(s)", "Remove Device(s)", "Add Device By ID", and "Reboot Devices". Below these is a table titled "Current Devices" with columns: ID, Device Type, Internal IP, External IP, Join Method, and Last Seen. The table contains three rows of device information.

ID	Device Type	Internal IP	External IP	Join Method	Last Seen
0TYabckf7e			10.1.98.74	MANUAL	Jul 7, 2015 11:45:44 AM
0bsGTSltj			10.1.98.28	MANUAL	Jul 8, 2015 1:33:37 PM
8ku0T5568			10.1.98.28	MANUAL	Jul 8, 2015 1:34:53 PM

Under the "Devices" Tab is the list of Devices with IDs, OS, external/internal IP addresses of the devices, how the device was joined to the ORG Unit, and the date.

One can add, move and remove multiple devices from an ORG Unit by checking the boxes to the left.

One can only move devices within ORG Units of the same school. To move devices across schools, the devices need to be removed and added.

Hint: Multiple schools in one building or schools with shared resources can always stay within one school in the DTK.

## Adding

A screenshot of the "Add New Device" dialog box. It has a title bar with a close button (X). Inside, there is a label "Device ID" followed by a text input field containing "Device ID". At the bottom right, there are "Close" and "Save Changes" buttons.

## Moving

A screenshot of the "Change ORG Unit" dialog box. It has a title bar with a close button (X). Inside, there is a label "ORG Unit Name" followed by a dropdown menu showing "Dist 4, School 3, Rm 7, Chrome". At the bottom right, there are "Close" and "Save Changes" buttons.

## Removing

A screenshot of the "Are You Sure?" dialog box. It has a title bar with a close button (X). The main text reads: "Removing selected device(s) will not impact any test results previously submitted by this device, nor the results if the device is actively being used in a test session. Do you want to continue to remove the selected devices from this ORG unit?". At the bottom right, there are "No" and "Yes" buttons.

# INSIGHT INSTALL

See Tech Guide "Windows Installation" or "Mac (OS X) Installation"



- Basic manual installation and configuration
  - Mass deploy options are covered in the Technology User Guide
- Setup ORG Units (one per TSM) in the Device Toolkit
- Launch INSIGHT
- System Readiness Check
- Launch Online Tools Training (choose one with TTS or VSL (ASL))

# INSIGHT WINDOWS INSTALL

See Tech Guide "Windows Installation"



## Whitelisting

The same URLs and IP addresses are used for secure testing, but it is important to double check if both the URLs and IP addresses are allowed on all content filters, firewalls, and antivirus software.

Program	URL	Port/Protocol
Wisconsin	<a href="http://wi-insight-client.drcedirect.com">http://wi-insight-client.drcedirect.com</a> <a href="https://wi-insight.drcedirect.com">https://wi-insight.drcedirect.com</a> <a href="https://wi.drcedirect.com">https://wi.drcedirect.com</a> <a href="https://wbte.drcedirect.com">https://wbte.drcedirect.com</a> <a href="https://dtk.drcedirect.com">https://dtk.drcedirect.com</a> <a href="https://api-gateway-cloud.drcedirect.com">https://api-gateway-cloud.drcedirect.com</a> <a href="https://api-gateway.drcedirect.com">https://api-gateway.drcedirect.com</a> <a href="https://cdn-content-prod.drcedirect.com">https://cdn-content-prod.drcedirect.com</a> <a href="https://cdn-download-prod.drcedirect.com">https://cdn-download-prod.drcedirect.com</a>	80/http; 443/https (applies to all of the URLs)

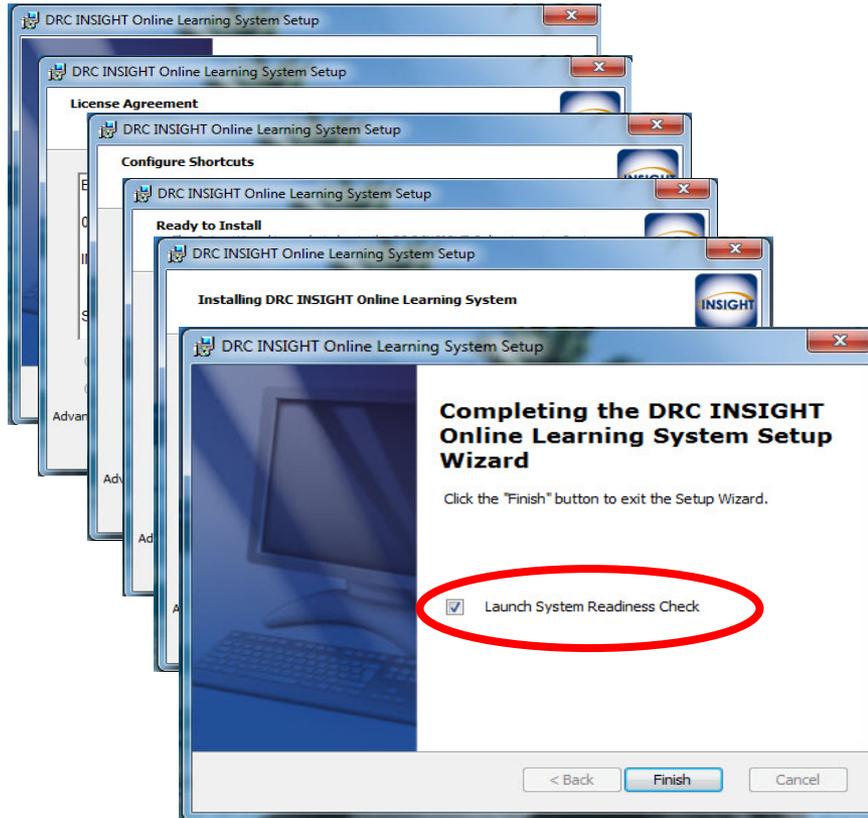
All operating systems utilize the Device Toolkit and the DTK URL and IP address *must* be whitelisted as the sites and addresses above.

## DEVICE TOOLKIT URL and IP address:

[dtk.drcedirect.com](https://dtk.drcedirect.com) 50.58.190.22

# INSIGHT WINDOWS INSTALL

See Tech Guide "Windows Installation"



Run the INSIGHT Windows Installer and accept the User Agreement and Default Settings.

If a configuration deployment is planned, *uncheck* "Launch System Readiness Check." This will prevent the software from launching and attempting to register to an ORG Unit.

**Helpful Hint:** Windows XP, Vista and 8 are no longer supported for INSIGHT and will be blocked if testing is attempted.

# INSIGHT WINDOWS INSTALL

See Tech Guide "Windows Installation"



**Configuration Not Found**

Please raise your hand and wait for help.

---

Contact your technical resource and provide them with the following information:

DRC INSIGHT cannot retrieve the configuration profile associated with this device because it cannot find the Device Toolkit ORG Unit ID. The ORG Unit ID was entered incorrectly, was deleted, or was not assigned to this device.

Click **Assign Device to ORG Unit** to enter the correct ORG Unit ID, or click **Cancel** to end the process.

**Device Registration**

---

1. To add the device to a Device Toolkit ORG Unit, enter the ORG Unit ID (or copy and paste it) and click **Add**.  
**Note:** You can repeat this step if you want to access more than one testing program from this device.

2. When you are ready, click **Register** to register the device or **Cancel** to cancel the process.

If installing INSIGHT manually, use the ORG Unit ID from the Device Toolkit.

Copy and paste the ID on the screen below.

If continuing to deploy this installation, cancel out of this screen and DO NOT insert the ORG Unit ID.

# INSIGHT WINDOWS INSTALL



See Tech Guide "Windows Installation"

To install INSIGHT using a Command Line, the following are examples of the syntax for the install program command:

DRC\_INSIGHT\_Setup.msi <properties> <MSI switches>

Without Proxy Server:

```
msiexec.exe /i DRC_INSIGHT_Setup.msi /qn ou_ids="Z1_GWJVGG"
```

With Proxy Server:

```
msiexec.exe /i DRC_INSIGHT_Setup.msi /qn https_proxy=http://10.1.1.1:8080  
ou_ids="Z1_GWJVGG"
```

# INSIGHT WINDOWS INSTALL

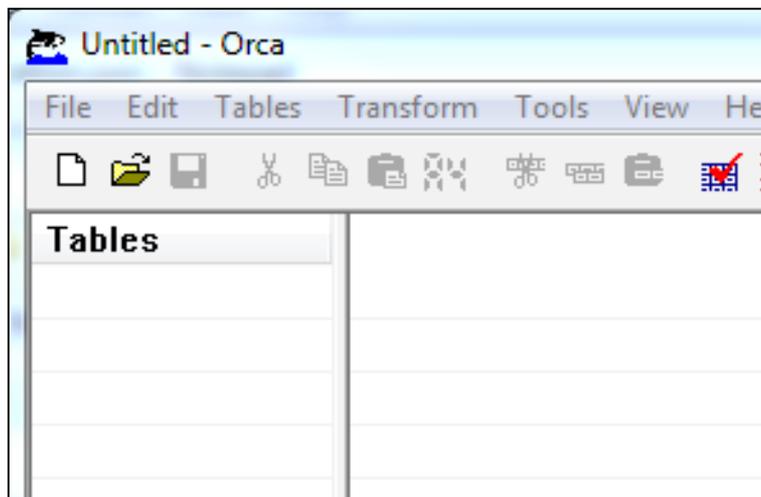
See Tech Guide "Windows Installation"



ORCA is a File Editor that allows editing of the properties of the installation to configure the devices to the ORG Unit in the Device Toolkit. Download ORCA for free from:

<http://www.microsoft.com/download/en/details.aspx?displaylang=en&id=3138>

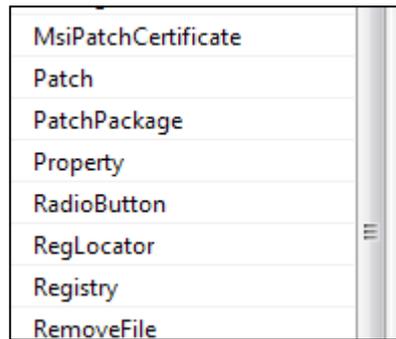
1. Download the Windows INSIGHT Installation file, DRC\_INSIGHT\_Setup.msi
2. Download a copy of ORCA to your Program Files folder.
3. Double-click on Orca.exe and select Open.



# INSIGHT WINDOWS INSTALL

See Tech Guide "Windows Installation"

4. Browse to the DRC\_INSIGHT\_Setup.msi file and open it.
5. Select Property.



6. Sort the display using the Property column.

Property	Value
----------	-------

7. Locate the OU\_IDS field and enter the ORG Unit ID with no quotes or spaces.

OU_IDS	Z1_GWJVNGg
--------	------------

8. Locate HTTPS\_PROXY and insert the parameter if using a Proxy Server.

# INSIGHT WINDOWS INSTALL

See Tech Guide "Windows Installation"



9. Save the file and exit ORCA.

**IMPORTANT:** Save the file using **SAVE**, not **SAVE AS**.

10. Use the following command to run the updated installer with the new embedded switches:

```
msiexec.exe /i DRC_INSIGHT_Setup.msi /qn
```

# INSIGHT MAC INSTALL

See Tech Guide "Mac (OS X) Installation"



## Whitelisting

The same URLs and IP addresses are used for secure testing, but it is important to double check if both the URLs and IP addresses are allowed on all content filters, firewalls, and antivirus software.

Program	URL	Port/Protocol
Wisconsin	http://wi-insight-client.drcedirect.com https://wi-insight.drcedirect.com https://wi.drcedirect.com https://wbte.drcedirect.com https://dtk.drcedirect.com https://api-gateway-cloud.drcedirect.com https://api-gateway.drcedirect.com https://cdn-content-prod.drcedirect.com https://cdn-download-prod.drcedirect.com	80/http; 443/https (applies to all of the URLs)

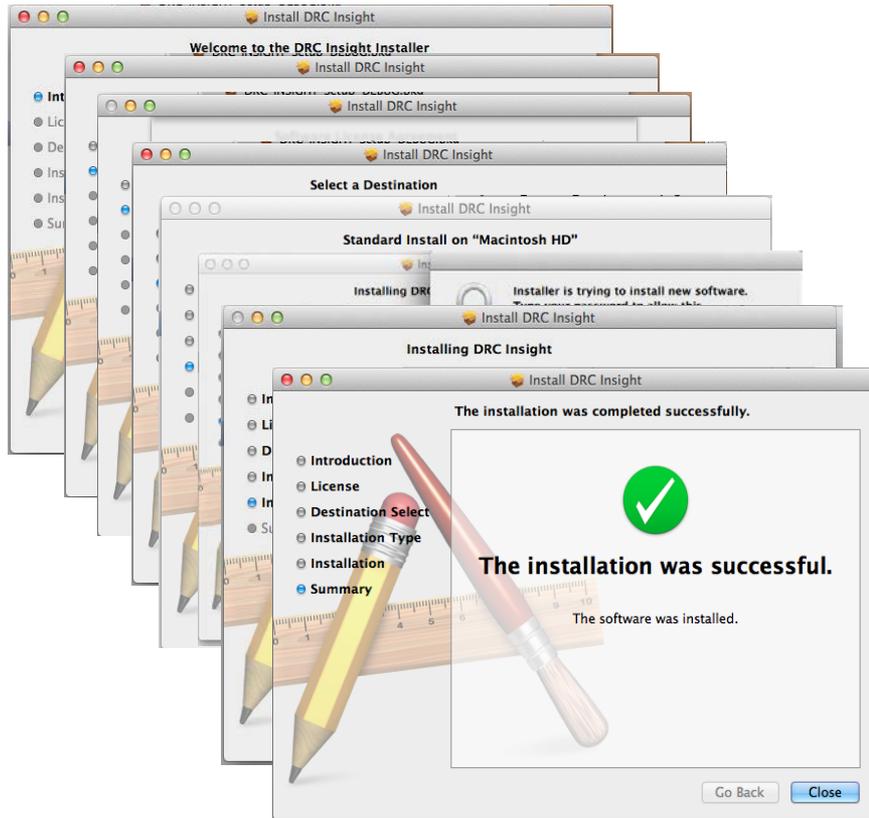
All operating systems utilize the Device Toolkit and the DTK URL and IP address *must* be whitelisted as the sites and addresses above.

## DEVICE TOOLKIT URL and IP address:

**dtk.drcedirect.com 50.58.190.22**

# INSIGHT MAC INSTALL

See Tech Guide "Mac (OS X) Installation"



Run the INSIGHT Mac Installer and accept the User Agreement and Default Settings.

Admin login is required.

The Mac installation package launches INSIGHT automatically.

**Helpful Hint:** Mac OSX 10.8 and earlier are no longer supported for INSIGHT and will be blocked if testing is attempted.

# INSIGHT MAC INSTALL

See Tech Guide "Mac (OS X) Installation"



If installing INSIGHT manually, use the ORG Unit ID from the Device Toolkit.

Copy and paste the ID on the screen below.



If deploying this installation, cancel out of this screen and *DO NOT* insert the ORG Unit ID.

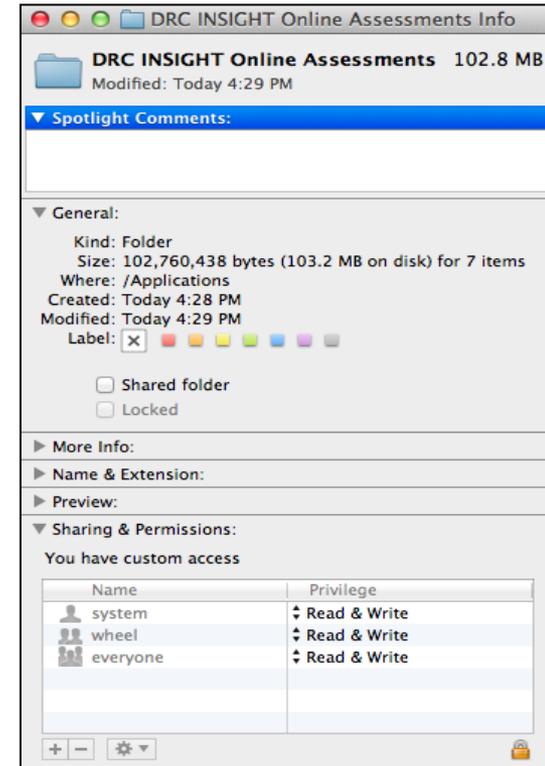
# INSIGHT MAC INSTALL

See Tech Guide "Mac (OS X) Installation"



1. Install and configure the INSIGHT secure browser without launching the software.

**Important:** To ensure that testers can access the correct folders on the testing computers, it may be necessary to adjust the permissions on the folders to be copied before distributing them to the testing computers.



# INSIGHT MAC INSTALL

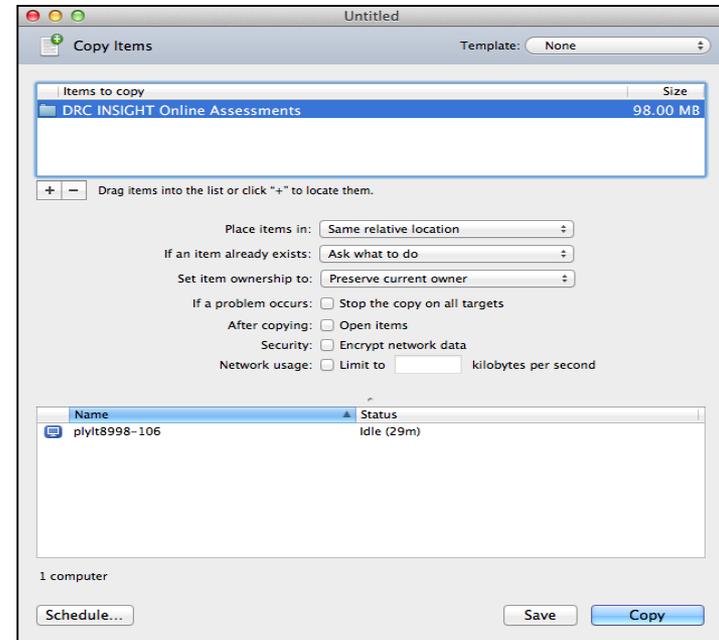
See Tech Guide "Mac (OS X) Installation"



2. Start Apple Remote Desktop and select the following directory in a Copy Items window from the Apple Remote Desktop administrator's computer.

/Applications/DRC INSIGHT Online Assessments

**Important:** It may be necessary to adjust the destination locations and permissions depending on student's permissions.



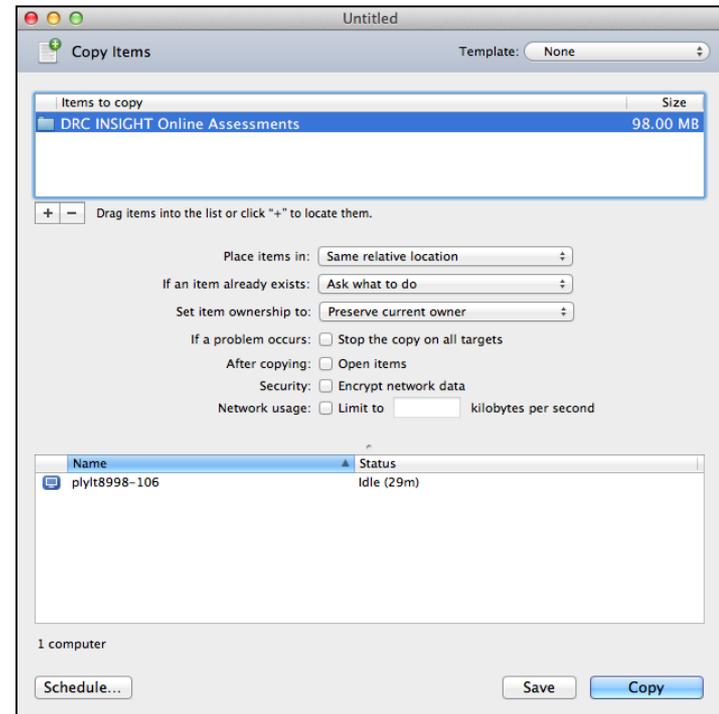
# INSIGHT MAC INSTALL

See Tech Guide "Mac (OS X) Installation"



3. Copy the folders to your list of destination computers. Distribute the *DRCConfiguration.json* file to the appropriate devices as well.

4. Verify the installation by running the System Readiness Check on the devices on which the software is installed.



# INSIGHT CHROMEBOOK INSTALL

See Tech Guide "Installing INSIGHT on Chromebook  
Devices"



- Google Admin Console
- INSIGHT for Chrome ID and URL (from eDIRECT)
- Device Toolkit on eDIRECT – Creating an ORG Unit by TSM
- INSIGHT device ID configuration options

# INSIGHT CHROMEBOOK INSTALL

See Tech Guide "Installing INSIGHT on Chromebook Devices"

The instructions in these slides assume that the Chrome environment has already been set up using the Chrome Device Management Software. For more information, see <https://support.google.com/chrome/a> and Chromebook Questions on page 55 of the Tech User Guide Volume IV.

1. Log in to your Google Admin account at [admin.google.com](https://admin.google.com)



**Helpful Hint:** Google Admin ORGanizational units are not the same as the Device Toolkit ORG Units within eDIRECT.

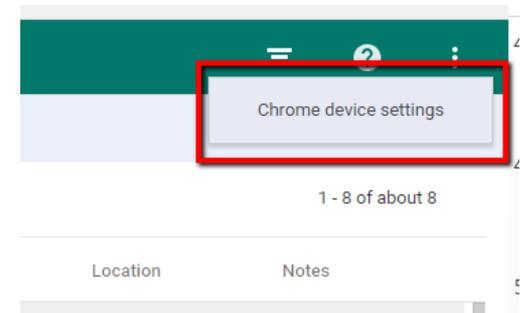
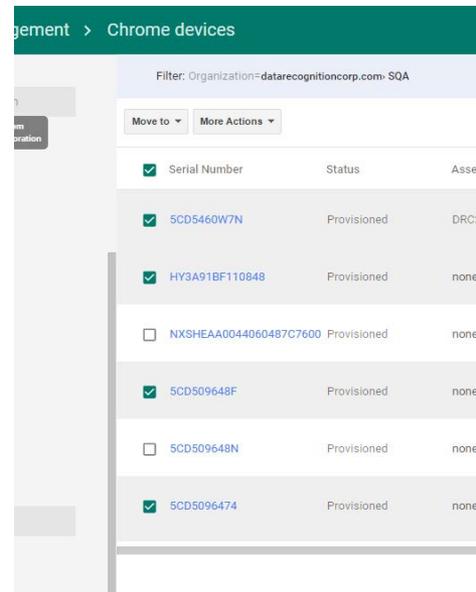
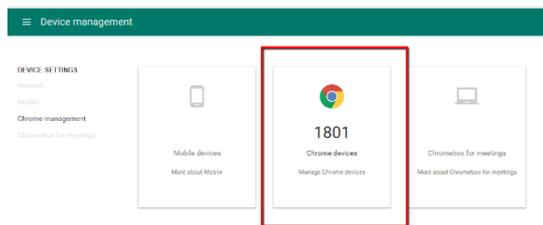
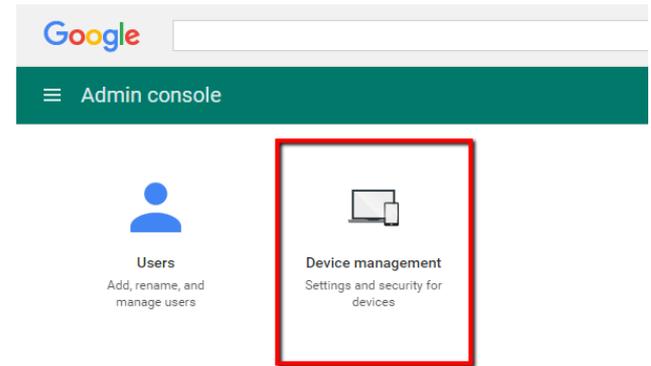
2. Identify which ORGanizations or sub-ORGanizations should have INSIGHT.
3. Enroll Chromebook devices and identify them by serial number.

# INSIGHT CHROMEBOOK INSTALL

See Tech Guide "Installing INSIGHT on Chromebook Devices"

4. Create ORG Units within the Device Toolkit and create a *chromeos.json* file for each ORG Unit.

5. Log into <http://admin.google.com> with an administrator profile, and select Device Management>Chrome Management>Device Settings.



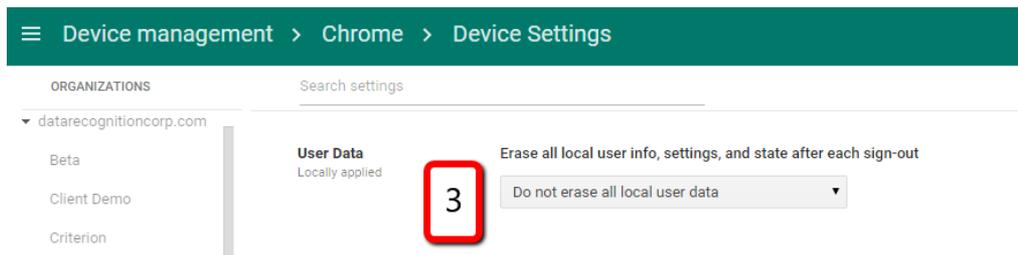
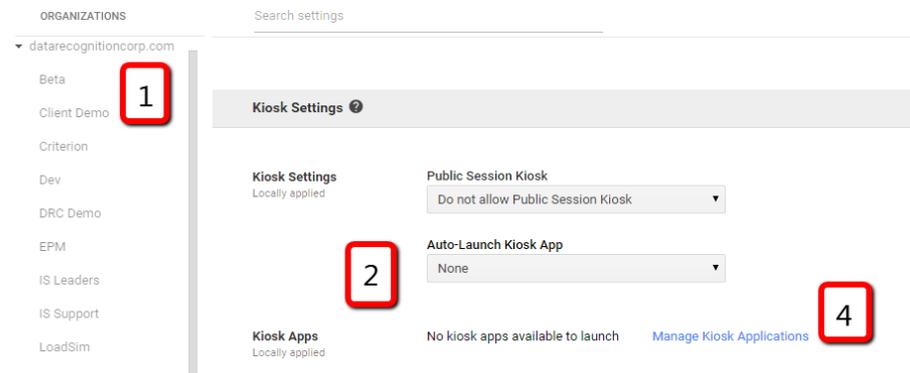
# INSIGHT CHROMEBOOK INSTALL



See Tech Guide "Installing INSIGHT on Chromebook Devices"

6. The Device Settings page displays. For steps 6 and 7 refer to the circled numbers in the diagrams.

1. Select the proper *OR*ganization level to be able to deploy *INSIGHT* App.
2. For *Auto-Launch Kiosk App*, leave the value as *None*.
3. Scroll up the page to *User Data* and select *Do Not erase All Local User Data*.
4. Scroll down the page and click *Manage Kiosk Applications*.



# INSIGHT CHROMEBOOK INSTALL

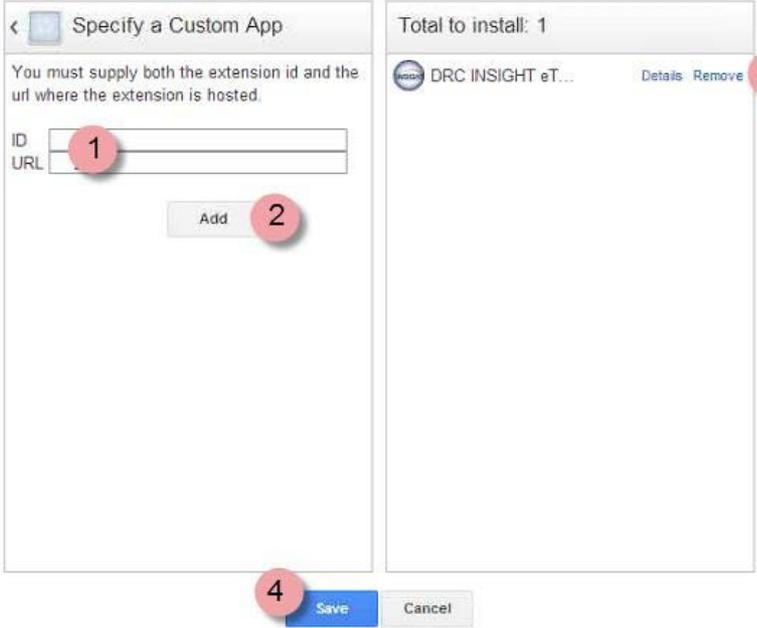
See Tech Guide "Installing INSIGHT on Chromebook Devices"

## 7. The Kiosk App page displays.

1. Enter the ID and URL for the DRC INSIGHT App.
1. The Chromebook App Download under eDIRECT>Test Setup> General Information>Downloads
2. Click Add.
3. The screen refreshes and the DRC INSIGHT App icon displays in the Total to install list.
4. Click Save.

### Kiosk Apps

The selected kiosk apps will be automatically installed.



The screenshot shows the 'Kiosk Apps' interface. On the left, a dialog box titled 'Specify a Custom App' is open. It contains a message: 'You must supply both the extension id and the url where the extension is hosted.' Below this message are two input fields: 'ID' and 'URL'. A red circle with the number '1' is placed over the 'ID' field. Below the input fields is an 'Add' button, with a red circle and the number '2' over it. On the right side of the interface, there is a section titled 'Total to install: 1'. It contains a single entry: 'DRC INSIGHT eT...' with a small icon to its left and 'Details Remove' to its right. A red circle with the number '3' is placed over the 'Remove' link. At the bottom of the interface, there are two buttons: 'Save' (highlighted in blue) and 'Cancel'. A red circle with the number '4' is placed over the 'Save' button.

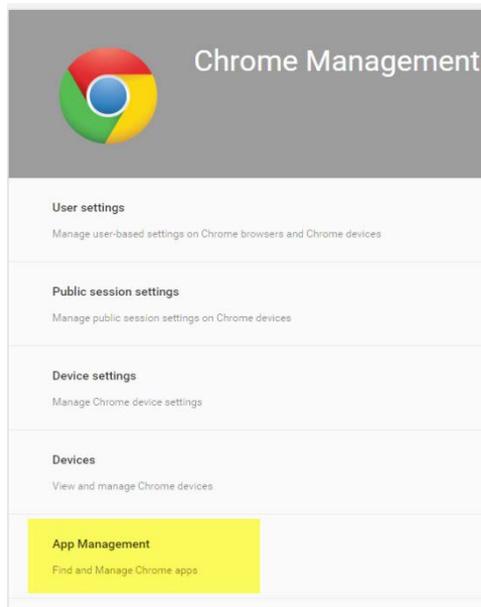
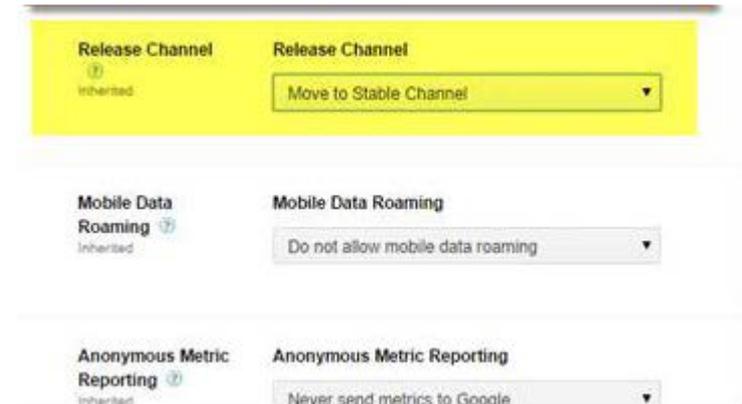


# INSIGHT CHROMEBOOK INSTALL

See Tech Guide "Installing INSIGHT on Chromebook Devices"



8. Verify that the setting for Release Channel is Move to Stable Channel. This prevents beta versions of the software being distributed to your Chromebooks during an Chrome update.



9. Use the Chrome Management>App Management feature to upload the chromeos.json file. This json file houses the ORG Unit IDs from the DTK.

# INSIGHT CHROMEBOOK INSTALL

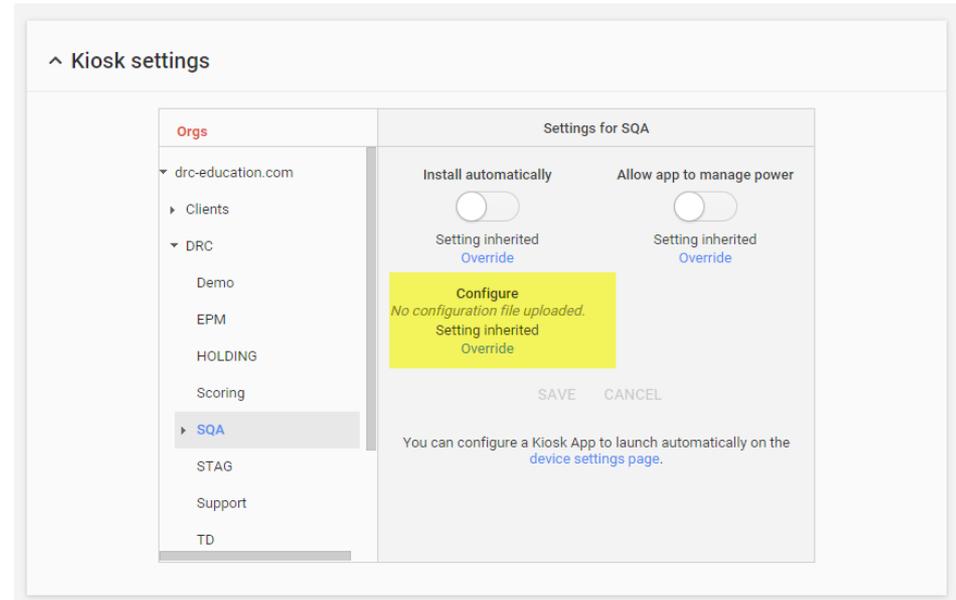
See Tech Guide "Installing INSIGHT on Chromebook Devices"



10. Launch the app by selecting the string next to the icon.



11. Navigate to Kiosk Settings and locate the Chrome ORG Unit containing the devices to configure.



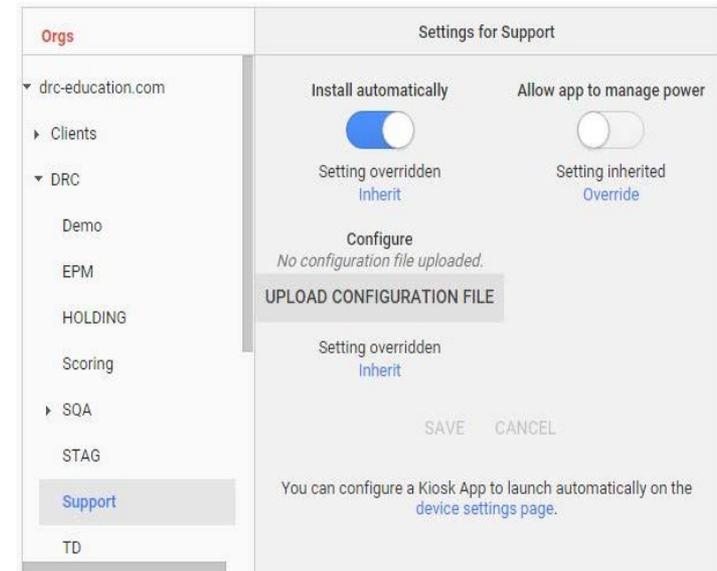
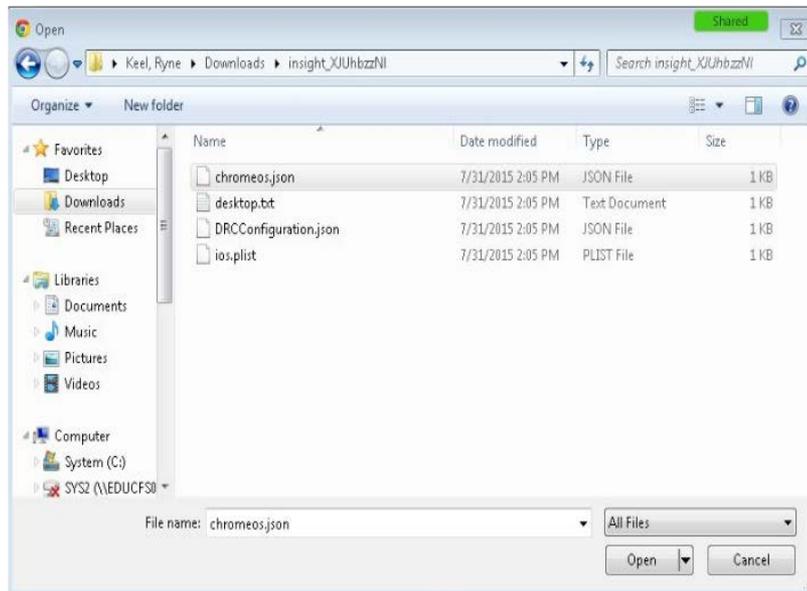
12. Click Override under Settings Inherited to search for, upload the *chromeos.json* file and click Save. The Device Settings page redisplay. Click Save Change.

# INSIGHT CHROMEBOOK INSTALL

See Tech Guide "Installing INSIGHT on Chromebook Devices"



13. Once Override is selected, an Upload Configuration File button will appear. Select the button.



14. Select the *chromeos.json* file to upload into your kiosk settings.

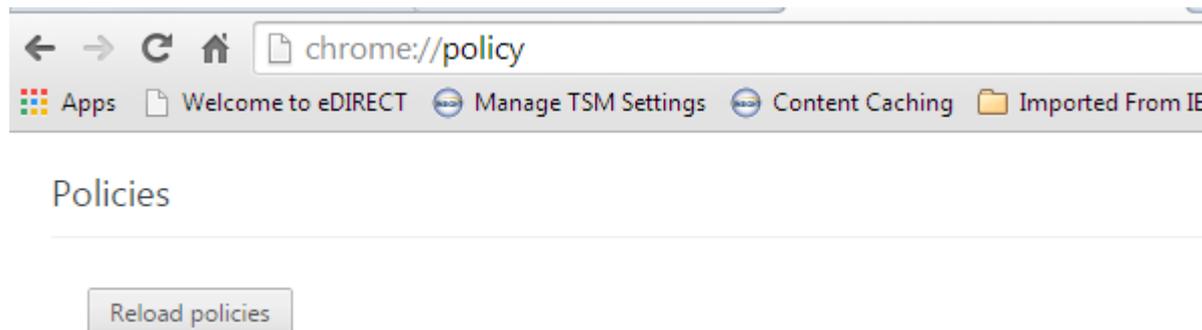
# INSIGHT CHROMEBOOK INSTALL



See Tech Guide "Installing INSIGHT on Chromebook Devices"

If mass uploading ORG Unit IDs into Chrome Device Management through a chromeos.json, verify that Google ORG Units mimic the size of the ORG Units in the DTK. With the mass upload of the chromeos.json, a Google ORG Unit cannot be partially assigned to a DTK ORG Unit. However, once registered in the DTK, devices can be moved amongst ORG Units within the same school.

Make sure to update the policy on the client machines in order for the INSIGHT App to appear.



Also, *DO NOT* log into a Google Account. The App will not appear while logged into another application/account.

# INSIGHT CHROMEBOOK INSTALL

See Tech Guide "Installing INSIGHT on Chromebook Devices"



If installing INSIGHT manually, use the ORG Unit ID from the Device Toolkit.

Copy and paste the ID on the screen to the left.



# INSIGHT IPAD INSTALL

See Tech Guide "Installing INSIGHT on iPad Devices"



- Using an MDM to deploy INSIGHT(NOT found in Apple App store)
- Manual iPad configurations (mass deploy options covered in User Guide):
  - Disable: Spelling (iOS 7), Predictive Text (iOS 8), Auto-Correction, Auto-Capitalization
  - Delete Emoji Keyboard
  - Enable Guided Access: The Passcode is a **SECURE** testing material
- OR
- Use Autonomous Single App Mode supported by some MDMs

# INSIGHT IPAD INSTALL

See Tech Guide "Installing INSIGHT on iPad Devices"



## Whitelisting

The same URLs and IP addresses are used for secure testing, but it is important to double check if both the URLs and IP addresses are allowed on all content filters, firewalls, and antivirus software.

Program	URL	Port/Protocol
Wisconsin	http://wi-insight-client.drcedirect.com https://wi-insight.drcedirect.com https://wi.drcedirect.com https://wbte.drcedirect.com https://dtk.drcedirect.com https://api-gateway-cloud.drcedirect.com https://api-gateway.drcedirect.com https://cdn-content-prod.drcedirect.com https://cdn-download-prod.drcedirect.com	80/http; 443/https (applies to all of the URLs)

All operating systems will utilize the Device Toolkit and the DTK URL and IP address *must* be whitelisted as the sites and addresses above.

## DEVICE TOOLKIT URL and IP address:

**dtk.drcedirect.com 50.58.190.22**

# INSIGHT IPAD INSTALL

See Tech Guide "Installing INSIGHT on iPad Devices"



There are two main parts to installing INSIGHT on an iPad device – distribution and registration.

There are two ways to *distribute* INSIGHT to an iPad device:

- You can assign the INSIGHT App using Managed distribution, MDM software, and the Apple Volume Purchase Program (VPP). See [http://images.apple.com/education/docs/vpp\\_edu\\_guide.pdf](http://images.apple.com/education/docs/vpp_edu_guide.pdf).
- You can download the INSIGHT App from the Apple App Store directly to an iPad.

In order to *register* devices to the Device Toolkit, there are two options:

- a. Deploy the App with an MDM software that supports the Managed App Configuration. This allows deploy of the ios.plist file from the DTK, which houses the ORG Unit IDs.
- b. If the MDM does *not* support the Managed App Configuration feature, distribute the INSIGHT App, but insert the ORG Unit manually on each device.

# INSIGHT IPAD INSTALL

See Tech Guide "Installing INSIGHT on iPad Devices"



## Preparing iPads for testing (iOS versions older than 9.3.2)

If your MDM allows, configure the iPad group to turn off the follow settings:

- a. Turn Check Spelling off
- b. Turn Predictive Text off
- c. Turn Auto-Corrections off

For more information about these settings, refer to:

<http://support.apple.com/en-us/HT204271>

## Set the iPads into Kiosk mode:

Primary ways to test with the DRC INSIGHT App on an iPad device in Kiosk mode (iOS older that 9.3.2):

- Guided Access
- Autonomous Single App Mode (ASAM)

# INSIGHT IPAD INSTALL

See Tech Guide "Installing INSIGHT on iPad Devices"



## For iOS older than 9.3.2

To configure the Guided Access feature, do the following:

1. Select Settings – General – Accessibility – Guided Access
2. Turn Guided Access on and click Set Passcode.
3. Enter and re-enter a four digit passcode. This passcode is needed to enter and exit an INSIGHT session on an iPad while testing.
4. Click the Home button to exit Settings.

**DO NOT** share the four digit passcode for Guided Access with students. Consider providing the four-digit passcode to Building Coordinators and Test Administrators (this passcode is considered a secure test material and must be kept from students)

# INSIGHT IPAD INSTALL

See Tech Guide "Installing INSIGHT on iPad Devices"



## For iOS older than 9.3.2

- Autonomous Single App Mode (ASAM) is an iOS feature that can limit iPads to a single app (similar to Guided Access or Kiosk Mode). With ASAM, it is not necessary to manually turn on Guided Access before testing with INSIGHT—ASAM starts INSIGHT in Autonomous Single App Mode and releases the iPad from this mode when exiting INSIGHT. ASAM is managed by your MDM solution, or the Apple Configurator. For more information, see:  
[https://www.apple.com/education/docs/Assessment\\_with\\_iPad\\_073015.pdf](https://www.apple.com/education/docs/Assessment_with_iPad_073015.pdf).



# INSIGHT IPAD INSTALL

See Tech Guide "Installing INSIGHT on iPad Devices"



## Preparing iPads for testing (iOS versions 9.3.2 and newer)

- On iPads with iOS versions 9.3.2 and newer, Check Spelling, Predictive Text, and Auto-Correction are automatically disabled by the INSIGHT App version 7.0.
- On iPads with iOS versions 9.3.2 and newer, devices are automatically set into Kiosk mode by the INSIGHT App version 7.0 when the app is launched and Kiosk mode is disabled automatically upon exiting the INSIGHT App.

# INSIGHT IPAD INSTALL

See Tech Guide "Installing INSIGHT on iPad Devices"



## Distributing the INSIGHT App (directly to the device):

Download the DRC INSIGHT executable (DRC INSIGHT.ipa) from the Apple App Store directly on the iPad.

Showing results for "drc insight"

iPad Apps



DRC INSIGHT  
Education

Update ▾

Launch the downloaded INSIGHT App on the iPad

Manually configure the App by entering the ORG Unit ID from the Device Toolkit.

# INSIGHT IPAD INSTALL

See Tech Guide "Installing INSIGHT on iPad Devices"



## Distributing the INSIGHT App (via MDM):

Download the DRC INSIGHT executable (DRC INSIGHT.ipa) from the Apple App Store

Showing results for "drc insight"

iPad Apps



DRC INSIGHT  
Education

Update ▼

Then, deploy the executable via MDM software.

Use the ios.plist configuration files created within the DTK and deploy to iPads using MDM software.

# INSIGHT ANDROID INSTALL

See Tech Guide "Installing INSIGHT on Android Devices"



- Currently, the Android app cannot be deployed using an MDM (Mobile Device Management) solution. However, Android devices can be “bumped” in order to enroll and configure global settings on the devices.
- For the purposes of DRC INSIGHT testing, Androids will be grouped into two different types:

Administrator Androids and Student Androids

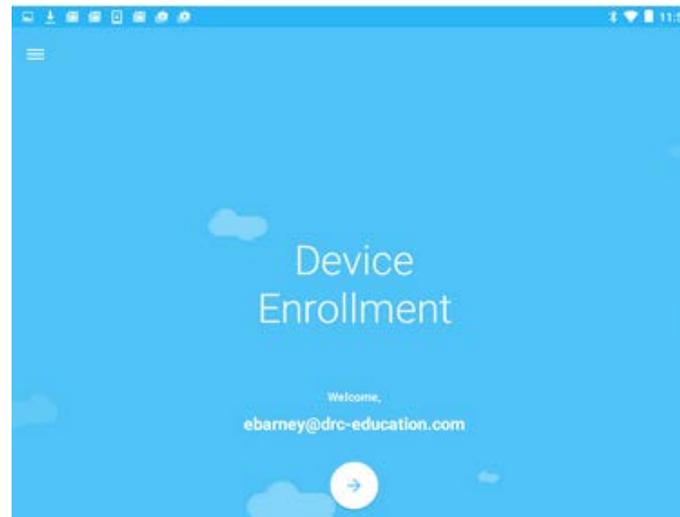
# INSIGHT ANDROID INSTALL

See Tech Guide "Installing INSIGHT on Android Devices"

1. Designate an Android as the "Admin" Android and install the "Android Device Enrollment" App from Google Play for Education.
2. Launch the app and complete the prompts, always select default settings.



3. Touch the forward arrow icon.

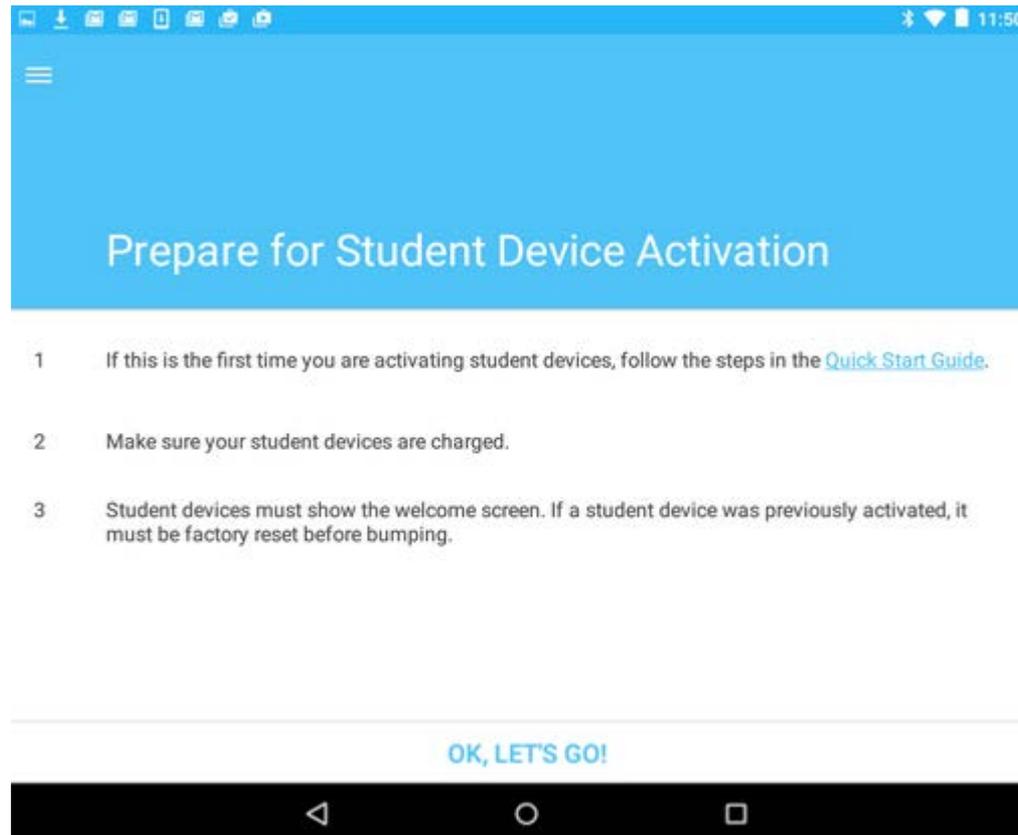


# INSIGHT ANDROID INSTALL

See Tech Guide "Installing INSIGHT on Android Devices"



4. Read the instructions. Select OK, Let's go.



# INSIGHT ANDROID INSTALL

See Tech Guide "Installing INSIGHT on Android  
Devices"



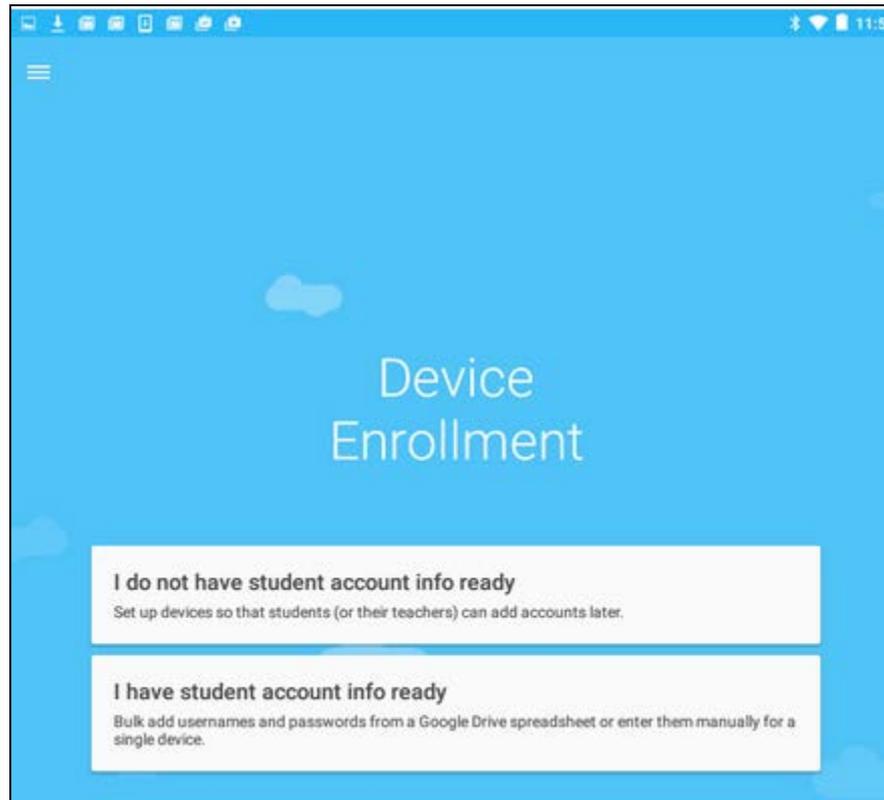
5. Select "One student per device."



# INSIGHT ANDROID INSTALL

See Tech Guide "Installing INSIGHT on Android Devices"

6. Select "I do not have student account info ready."

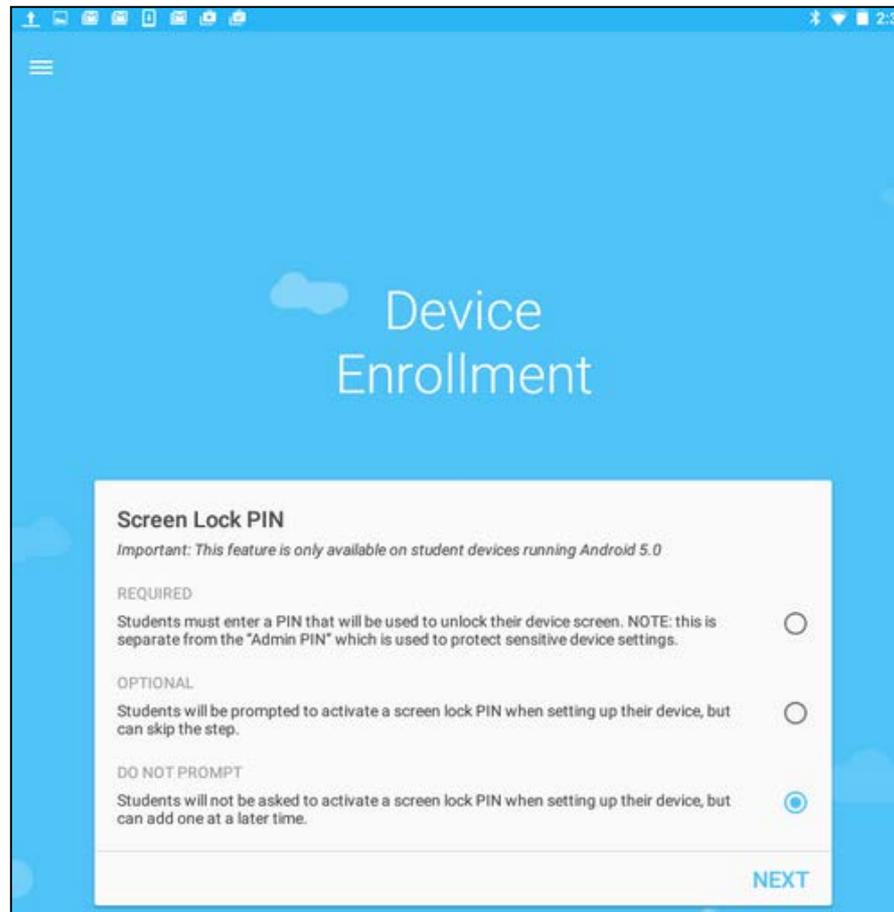


# INSIGHT ANDROID INSTALL

See Tech Guide "Installing INSIGHT on Android Devices"



7. Select "Do not Prompt" Radio Button.

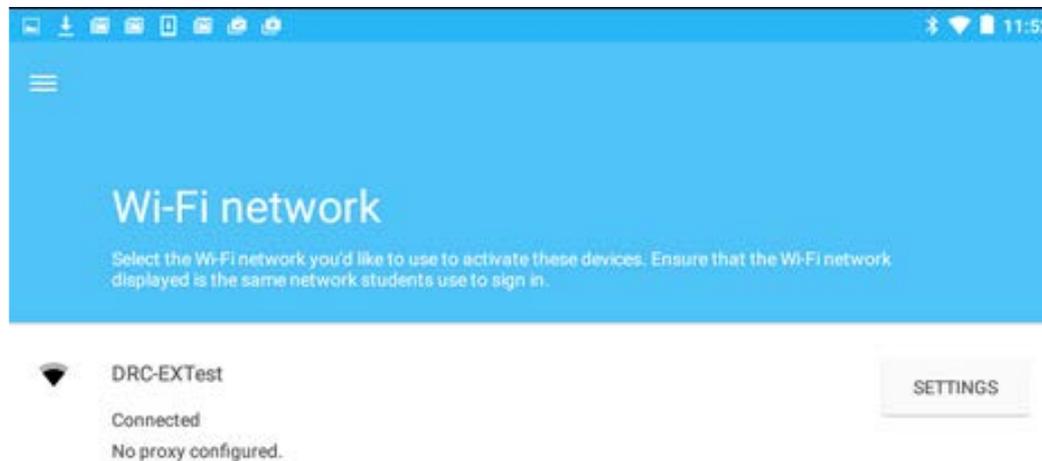


# INSIGHT ANDROID INSTALL

See Tech Guide "Installing INSIGHT on Android Devices"



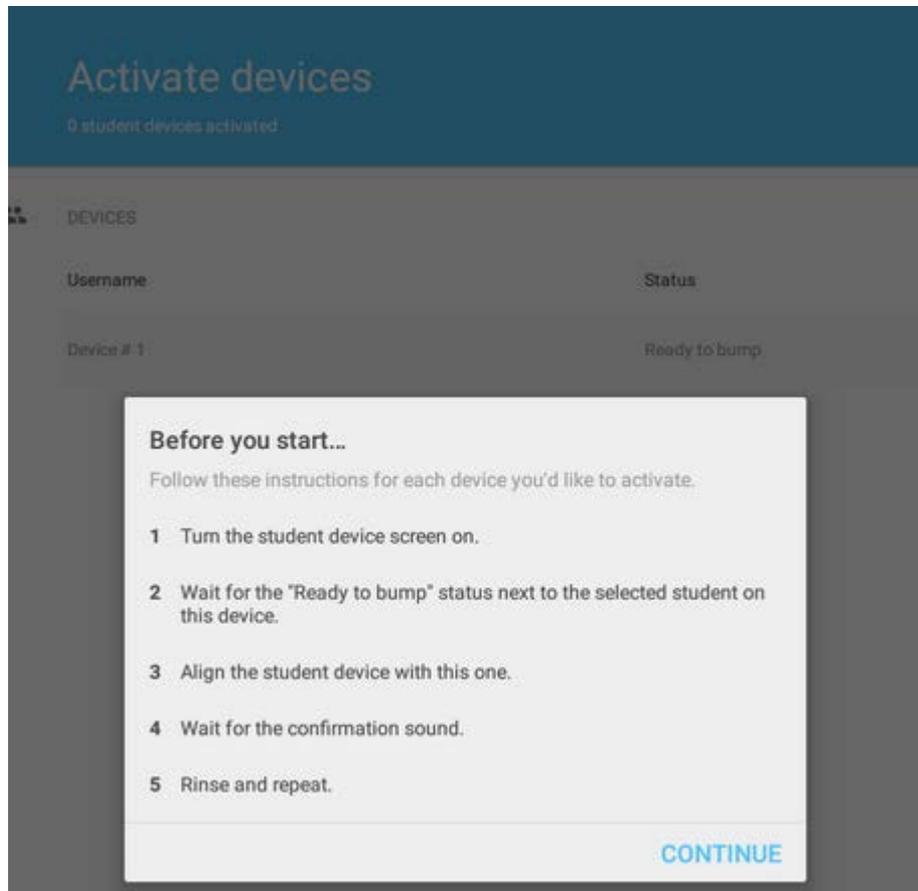
8. Confirm Wi-Fi network. The network needs to be the same as the student devices.



# INSIGHT ANDROID INSTALL

See Tech Guide "Installing INSIGHT on Android  
Devices"

9. Follow the checklist. Select Continue.



**Activate devices**

0 student devices activated

Username	Status
Device # 1	Ready to bump

**Before you start...**

Follow these instructions for each device you'd like to activate.

- 1 Turn the student device screen on.
- 2 Wait for the "Ready to bump" status next to the selected student on this device.
- 3 Align the student device with this one.
- 4 Wait for the confirmation sound.
- 5 Rinse and repeat.

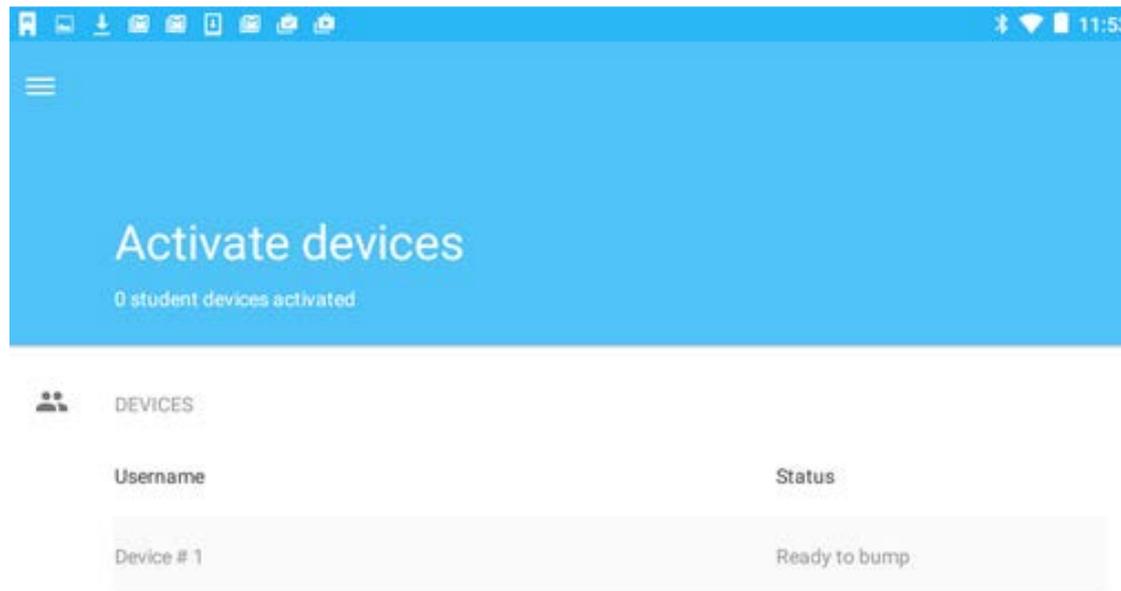
[CONTINUE](#)

# INSIGHT ANDROID INSTALL

See Tech Guide "Installing INSIGHT on Android  
Devices"



10. The Administrator tablet will say "Ready to Bump."



# INSIGHT ANDROID INSTALL

See Tech Guide "Installing INSIGHT on Android Devices"



To enroll the devices and configure global settings from the Administrator Device to the Student Device, a user will want to "wipe" the student machine and place it in Factory Data Reset mode.

1. Select Settings. 
2. Under Personal, select Backup & Reset.
3. Under Personal Data, select Factory Data Reset.
4. Read the information and select Reset Tablet.
5. Reboot the device.

Wiping will need to take place on any student machine that will have the INSIGHT app.

# INSIGHT ANDROID INSTALL

See Tech Guide "Installing INSIGHT on Android  
Devices"



In order to sync the settings for the administrator and student devices, the admin will "bump" them by placing the tablets back-to-back and waiting for the confirmation sound.

Once heard, it is all right to lay the devices side by side. Then, bump the next student tablet.

The Administrator's tablet will go thru a series of status changes  
Connecting>Activating>Complete



# INSIGHT ANDROID INSTALL

See Tech Guide "Installing INSIGHT on Android  
Devices"



Launch the app and manually input the Org Unit ID from the Device Toolkit.

**Helpful Hint:** Sometimes, a user may receive an error that the device is unable to install applications from an unknown source. To allow this setting go to:

Settings>Security>Turn ON "Unknown Sources."

# WHAT'S NEXT?



- Trainings for District Assessment Coordinators are being held in multiple locations across Wisconsin late January/Early February 2017 (specific dates TBD as of this recording).
  - A recording will also be available on eDIRECT following these trainings.
- The Technology User Guide is available <http://dpi.wi.gov/assessment/forward>     <https://wi.drctdirect.com>
  - No secure login needed
  - All Applications → General Information → Documents
- Wisconsin Forward Exam software (INSIGHT and TSM) is available at <https://wi.drctdirect.com>
  - Secure login WILL be required
  - Contact your District Assessment Coordinator if you need secure login information.
  - Login credentials from Spring 2016 can be used to access software but due to security upgrades, users will be asked to create a new password upon logging on for the first time.

# WHAT'S NEXT?



- **Student Tutorials available February 2017**
  - Video to introduce students to INSIGHT navigation, tools, and features
  - Accessed via eDIRECT (no secure login required)
  - Can be viewed on a projector in groups (speakers needed) or on individual machines (headphones are needed)
- **Online Tools Training (OTT – practice test) available February 2017**
  - Opportunity for students to practice using INSIGHT
  - TSM content will update to include this content
  - Accessed via INSIGHT installed on student machines
- **Test Window is 3/20/17 – 5/5/17**

# SUPPORT



- **DRC Help Desk**
  - 800.459.6530
  - 7:00am-5:00pm
- **Documents and Downloads**
  - <http://dpi.wi.gov/assessment/forward> or <https://wi.drctdirect.com>
  - All Applications → General Information → Documents

## A Smooth Testing Experience

DPI and DRC are committed to ensuring a smooth testing experience for district and school technology staff, test administrators, teachers, and, most importantly, students. Should you encounter any issues before or during testing, please don't hesitate to reach out to the DRC Help Desk and/or DPI.

# Q & A

## Questions?

Your question is only visible to you and the presenters until a presenter types a reply. Your question and its response will then be visible to all participants.

We'll answer questions in a live format

After the presentation has ended, DRC will follow up with any unanswered questions.

