



■ ■ ■ **2014-2015 DRC INSIGHT and Testing Site
Manager Installation Training for
NeSA Technology Assessment Contacts**

September 3-4, 2014



WebEx Rules of Engagement

- Participants' phones are muted.
- Submit questions as we go using Chat.
- At the end of the session, there will be a question-and-answer period.
 - Use the "Raise hand" button under the participant list to indicate you have a question.
 - The Host will un-mute your phone in turn so you can ask your question.



Introductions

- John Born, Program Lead
- Luke Vethe, Senior IS Support Analyst
- Ryne Keel, IS Support Analyst

Agenda

- Introductions
- DRC Contact Information
- DRC INSIGHT Overview
- System Requirements
- Testing Site Manager (TSM) Installation
- INSIGHT Installation
- How-to Update Previously Installed Software
- Key Dates
- Questions & Answers

We Are Here for You!

NeSA Customer Service

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Email

necustomerservice@datarecognitioncorp.com

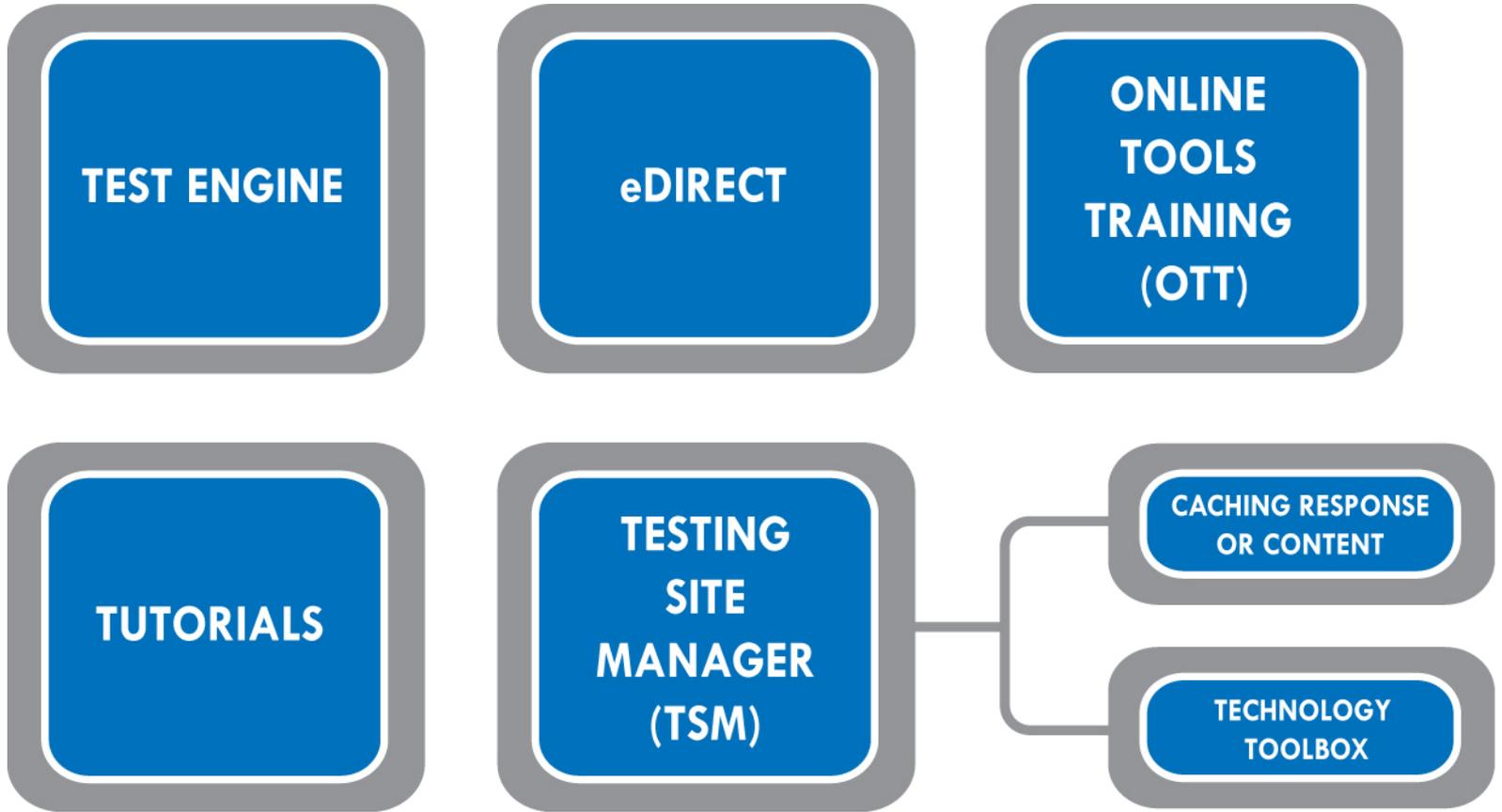
8:00 A.M. – 5:00 P.M. CST

DRC INSIGHT[™]
ONLINE LEARNING SYSTEM

eDIRECT
Online Data Portal

DATA RECOGNITION
DRC
CORPORATION

DRC INSIGHT Overview



DRC INSIGHT Enhancements

- Now supports Windows Server 2012.
- The initial TSM page load after install will be quicker than last year.
- TSM Form content updates run from 7PM – 7AM automatically to prevent testing conflicts.
- TSM Content Update reminder dialogue box.
- TSM Content Update progress bar.

eDIRECT and Tutorials Browser Requirements

- Microsoft Internet Explorer 7.0-9.0, Mozilla Firefox 3.6, Mozilla Firefox 6.0 or higher, Apple Safari 4.0 or higher.
- Browser downloads available on eDIRECT → General Information → Minimum Browser Requirements.
- eDIRECT works optimally with a browser window width of 1024 pixels.
- Flash Plug-in and sound card are required to view and hear the Tutorials.

The screenshot shows the eDIRECT website interface. At the top left is the DRC Corporation logo with the tagline "A Partner For Excellence". At the top right is the eDIRECT Online Data Portal logo and a "Log On" link. A navigation menu on the left includes "General Information", "Minimum Browser Requirements" (highlighted in yellow), and "Test Setup". The main content area is titled "Minimum Web Browser Requirements" and contains the following text and list:

The Web pages and Web-based applications hosted by Data Recognition Corporation (DRC) eDIRECT require one of the following minimum Web browsers:

- Microsoft Internet Explorer 7.0 through 9.0
- Mozilla Firefox 3.6
- Mozilla Firefox 6.0 or higher
- Apple Safari 4.0 or higher
- Other Web browsers compatible with these browsers

At the bottom right of the screenshot are the eDIRECT Online Data Portal logo and the DRC Corporation logo.

Accessing Installers

- Secure eDIRECT login required.
- Download INSIGHT and TSM at eDIRECT → Test Setup → General Information → Downloads tab.
- Installers available August 29, 2014.

Test Setup General Information

[About](#)
[Downloads](#)
[Test Tutorials](#)

[Instructions](#)

Software Downloads

Testing Software Downloads				
Title	Platform	Operating Systems	Version	Action
DRC INSIGHT Windows Installer	Windows	Windows XP with Service Pack 3 or greater, Windows Vista, Windows 7, Windows 8 (including 8.1), Windows Server 2003, Windows Server 2008	5.2.0	 
Use the installer above to download the DRC INSIGHT test engine.				
DRC INSIGHT Macintosh Installer	Mac OS	OS X 10.6.8, OS X 10.7, OS X 10.8, OS X 10.9	5.2.0	 
Use the installer above to download the DRC INSIGHT test engine.				
DRC INSIGHT Linux Installer - 32 bit	Linux	Ubuntu 12.04 and 12.04.1, 32 and 64-bit Gnome 3.4 with Unity Shell, Kernels 3.0.1 - 3.3	5.2.0	 
Use the installer above to download the DRC INSIGHT test engine.				
DRC INSIGHT Linux Installer - 64 bit	Linux	Ubuntu 12.04 and 12.04.1, 32 and 64-bit Gnome 3.4 with Unity Shell, Kernels 3.0.1 - 3.7	5.2.0	 
Use the installer above to download the DRC INSIGHT test engine.				
Testing Site Manager (TSM) Installer	Windows	Windows XP with Service Pack 3 or greater, Windows Vista, Windows 7, Windows 8 (including 8.1), Windows Server 2003, Windows Server 2008	7.0.1	 
Use the installer above to download the Testing Site Manager (TSM), which includes Content Caching and Response Caching.				
Testing Site Manager (TSM) Installer	Mac OS	OS X 10.6.8, OS X 10.7, OS X 10.8, OS X 10.9	7.0.1	 
Use the installer above to download the Testing Site Manager (TSM), which includes Content Caching and Response Caching.				
Testing Site Manager (TSM) Installer - 32 bit	Linux	Ubuntu 12.04 and 12.04.1 32 and 64-bit Gnome 3.4 with Unity Shell Kernels 3.0.1 - 3.3	7.0.1	 
Use the installer above to download the Testing Site Manager (TSM), which includes Content Caching and Response Caching				
Testing Site Manager (TSM) Installer - 64 bit	Linux	Ubuntu 12.04 and 12.04.1 32 and 64-bit Gnome 3.4 with Unity Shell Kernels 3.0.1 - 3.3	7.0.1	 
Use the installer above to download the Testing Site Manager (TSM), which includes Content Caching and Response Caching				
Capacity Estimator	Windows	Microsoft Excel 2007 or later	1.0.0	 
Use the installer above to download the Capacity Estimator. This tool estimates testing response times by using the number of students testing, as well as network capacity and utilization.				

[Monitor Setting Verification](#)

Test Setup

General Information

Students

Test Sessions

Testing Windows

DRC INSIGHT Technology User Guide

- New version includes...
 - Installation Instructions
 - System and Network requirements
 - System Readiness Guidance
 - Troubleshooting Tips
 - Frequently Asked Questions

Find it at eDIRECT → General Information → Documents

INSIGHT and TSM System Requirements

Operating System	Processor	Memory	Monitor Size/ Resolution	Allowed Devices	Disk Space
Windows <ul style="list-style-type: none"> Windows XP with Service Pack 3 or greater minimum Windows Vista Windows 7 Windows 8, 8.1 (non-touch devices) Windows Server 2003 Windows Server 2008 Windows Server 2012 	1 GHz or faster	INSIGHT Minimum: 512 MB RAM INSIGHT Recommended: 1 GB RAM TSM Minimum: 1 GB RAM TSM Recommended: 4 GB RAM	Minimum: 9.5 inches with a resolution of 800 x 600 Recommended: 13 inches with a resolution of 1024 x 768 or higher	Mouse, keyboard, touchpad, headphones/earphones	Minimum: 10 GB Recommended: 20 GB or more available
Mac (OS X) <ul style="list-style-type: none"> OS X 10.6.8 minimum OS X 10.7 OS X 10.8 OS X 10.9 					
Linux <ul style="list-style-type: none"> Ubuntu 12.04 and 12.04.1 32-bit and 64-bit with Gnome 3.4, the Unity shell, and kernels 3.0.1 – 3.3 					

INSIGHT Network Requirements

- Testing computers should have access to the Internet and be able to access DRC servers using HTTP/HTTPS protocols on ports 80 and 443.
- Firewalls at the testing computer and network level should allow connectivity on ports 80 and 443.
- Whitelist the following URLs:

<http://ne-insight-client.drcedirect.com>

<https://ne-insight.drcedirect.com>

<https://wbte.drcedirect.com>

INSIGHT Network Requirements

- Allow INSIGHT traffic to bypass firewalls and proxies.
- Check Internet connection idle timeout settings.
- Check screensaver timeout limits.

INSIGHT Connectivity Requirements

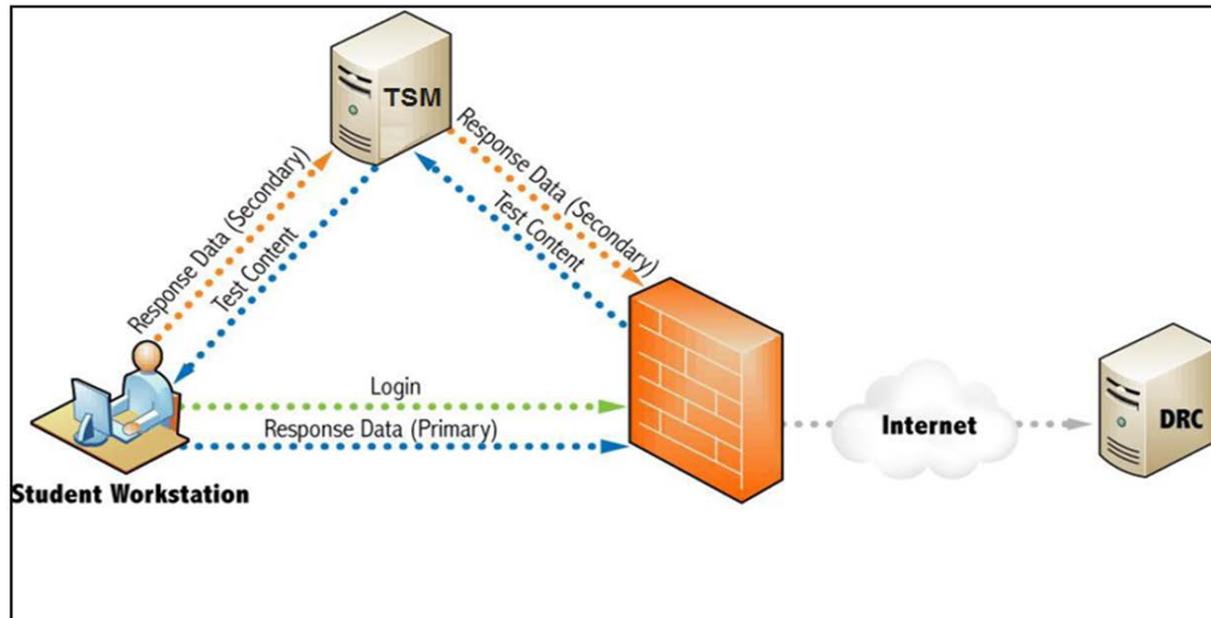
- INSIGHT must have connectivity to the Internet at the time of login to authenticate students' usernames and passwords.
- INSIGHT must maintain connectivity to the Internet or a TSM throughout the test.
- If connected to a TSM, test content is loaded to student computers from the TSM. If not, test content is loaded from DRC servers—requiring more Internet bandwidth.

Desktop Monitoring

- Desktop monitoring software should be disabled during test times to guarantee test security.
- If it is not feasible to disable monitoring software, ensure that any staff members that can use the monitoring software refrain from using it during testing periods.

Testing Site Manager (TSM) Overview

- Reduces bandwidth by caching the test content.
- Saves student responses if the Internet connection between the testing site and DRC is temporarily lost.
- Transmits responses every 15 minutes.

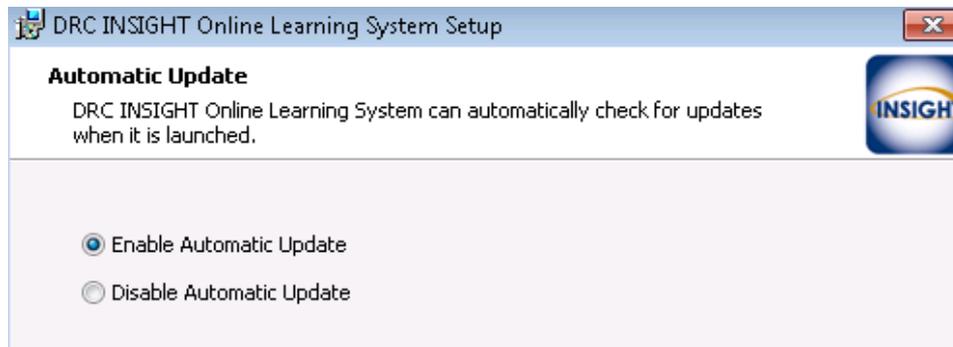


Testing Site Manager (TSM) Overview

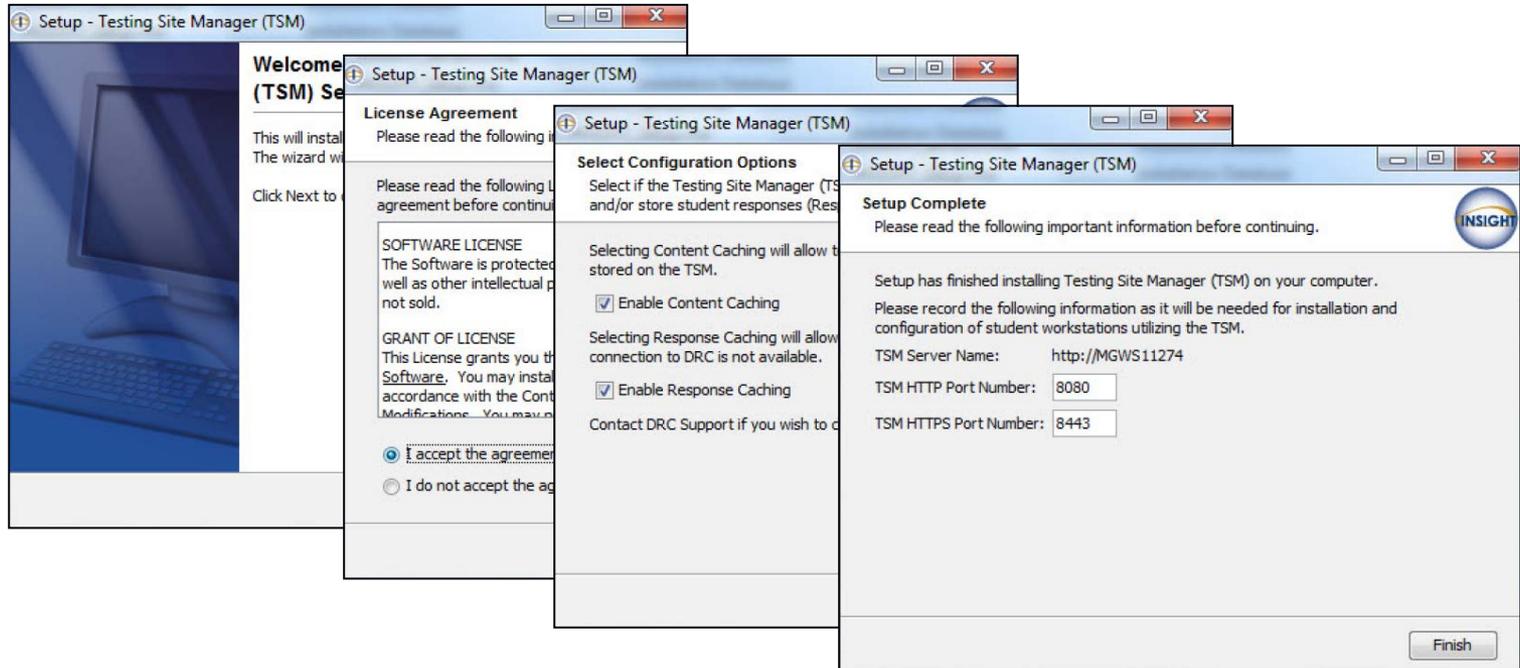
- May be installed on any computer within the local network.
- Installed using an installation wizard; requires administrative rights.
- Test will pause if student workstation is not connected to a TSM or the Internet.
- Recommended whenever possible.
- Required for students using the Text-to-Speech audio capability for NeSA-RMS test.

INSIGHT and TSM Installation – General

- Installation requires administrative rights.
- Install the TSM before installing INSIGHT—computers using INSIGHT must be configured to connect to the TSM.
- TSM naming convention:
District-School/Cluster-TSM Location
- INSIGHT software can be configured to update automatically during the installation process.



Testing Site Manager (TSM) Install



Testing Site Manager (TSM) Install

- Open <http://localhost:8080> in Chrome on the TSM or launch from the TestingSiteManager shortcut in the Start menu.
- Prompt for TSM name upon initial launch.
- The initial TSM page load will be quicker than last year.
- Naming convention: district + school + location in building.

Enter Testing Site Manager Name

TSM Name:

Testing Site Manager (TSM) Install

- After installation, the TSM should be initially loaded with needed accommodated test content using the TSM Manager Update Content feature.
- Content Updates are automatic and run if needed during the hours of 7PM – 7AM.
- TSM software version updates are also automatic provided this option was checked during initial installations.

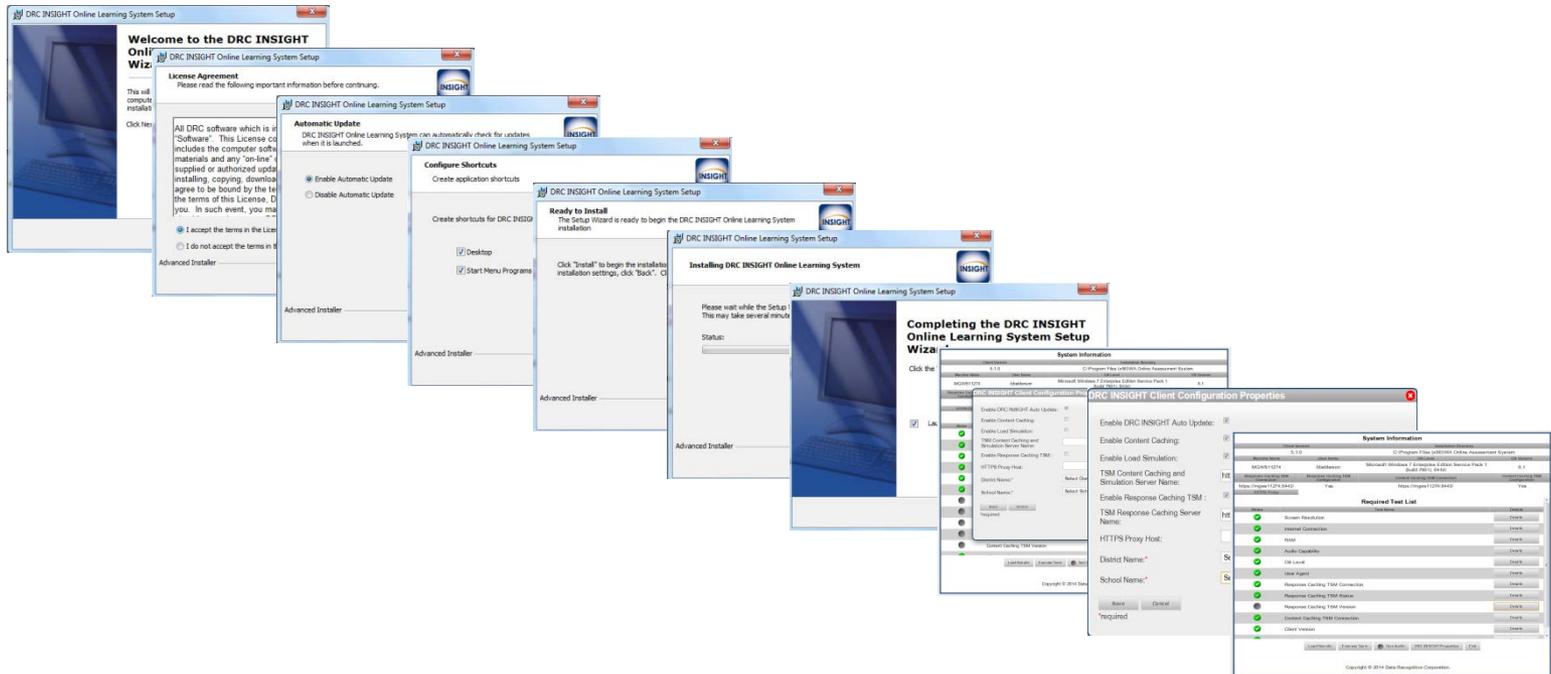
TSM Manager

- Accessed via a web browser.
- “Content Caching” populates test content. Updates test forms automatically every 6 hours. Forms may also be updated manually if status is shown as “Out of Date.”
- “Response Caching” indicates any students whose responses are stored in the TSM. Includes “Historical Data” for any responses stored previously.
- Check that all students’ responses have been transmitted and the TSM is clear at the end of testing.

INSIGHT Installation – Windows

- Windows .msi installer is capable of silent/unattended installation.
- INSIGHT can be installed using tools such as Microsoft System Center, Specops Deploy, IBM Tivoli, and Symantec Altiris.
- Set custom attributes to the .msi installer, such as
AUTOUPDATEFLAG="false"
LCSURL="https://NameOrIP:8443"
- NOTE: For the INSIGHT secure browser to display screen font characters correctly on Microsoft Windows, ClearType fonts should be turned on (on by default for Windows 7 and newer, off by default for Windows XP).

INSIGHT Installation – Windows



INSIGHT Installation – Mac OS X

- Mac .pkg installer follows standard Mac installation process of stepping through the installer and then launching the application.
- INSIGHT can be installed using tools such Apple Remote Desktop.
- The Mac installer can also be silently installed.

INSIGHT Installation – Linux

- Command Line install option
- GUI install option

INSIGHT System Readiness Checks

- Runs as the final step of installation.
- Designed to help you troubleshoot issues that might occur.
- Installed on all computers that have INSIGHT installed.
- Runs when INSIGHT is installed and each time INSIGHT is started in the background.
- Can be executed on-demand from the Start menu or the same directory where INSIGHT was installed.

INSIGHT System Readiness Checks

System Information

Client Version	Installation Directory		
5.2.0	C:\Program Files\NE Online Assessment System		
Machine Name	User Name	OS Level	OS Version
MGLT11682	jborn	Microsoft Windows 7 Enterprise Edition Service Pack 1 (build 7601), 32-bit	6.1
Response Caching TSM Connection	Response Caching TSM Configuration	Content Caching TSM Connection	Content Caching TSM Configuration
https://10.1.98.81:8443/ HTTPS Proxy	Yes	https://10.1.98.81:8443/	Yes

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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System Information

Client Version	Installation Directory		
5.2.0	C:\Program Files\NE Online Assessment System		
Machine Name	User Name	OS Level	OS Version
MGLT11682	jborn	Microsoft Windows 7 Enterprise Edition Service Pack 1 (build 7601), 32-bit	6.1
Response Caching TSM Connection	Response Caching TSM Configuration	Content Caching TSM Connection	Content Caching TSM Configuration
https://10.1.98.81:8443/ HTTPS Proxy	Yes	https://10.1.98.81:8443/	Yes

DRC INSIGHT Client Configuration Properties

Enable DRC INSIGHT Auto Update:

Enable Content Caching:

Enable Load Simulation:

TSM Content Caching and Simulation Server Name: https://10.1.98.81:8443/

Enable Response Caching TSM:

TSM Response Caching Server Name: https://10.1.98.81:8443/

HTTPS Proxy Host:

District Name: SAMPLE DISTRICT

School Name: SAMPLE SCHOOL OTT

Save Cancel

*required

Content Caching TSM Version

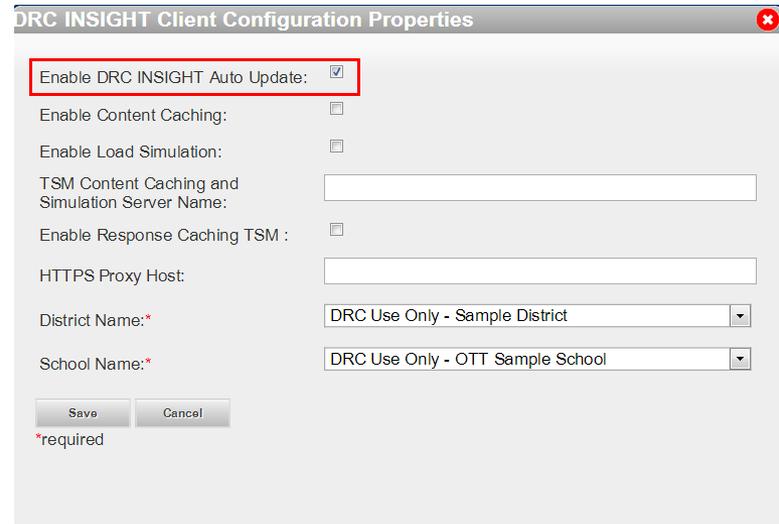
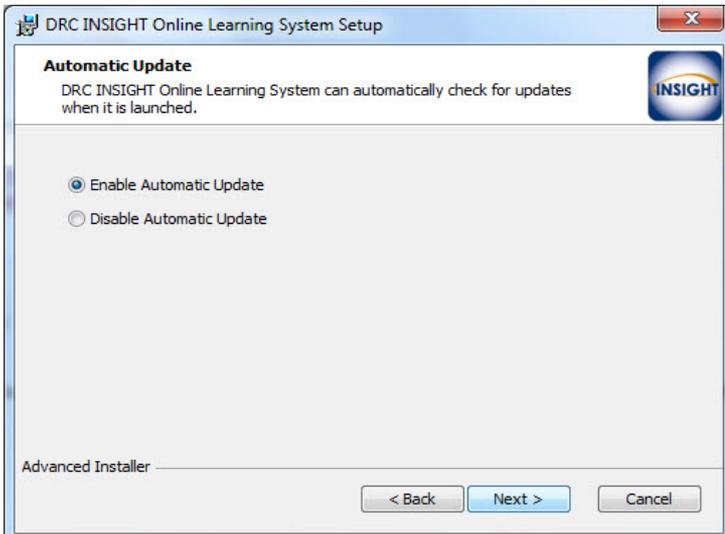
Load Results Execute Tests Test Audio DRC INSIGHT Properties Exit

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INSIGHT Software Updates

- There are no further updates planned for 2014-2015 at this time.
- All future updates will be scheduled and coordinated with NDE.
- Automatic Updates can be enabled during installation or through the System Readiness Check software application.
 - If enabled, INSIGHT will check the software version each time the secure browser is launched. Updates are downloaded and installed automatically.

INSIGHT Software Updates



INSIGHT Software Updates – continued

- If Automatic Updates are disabled, the latest version of the INSIGHT secure browser software must be downloaded and installed before testing.
- If the latest version of the INSIGHT software is not installed, students are notified at login that the software is out-of-date and are unable to test.
- Run the System Readiness Check at any time to see if the latest version of INSIGHT is installed.

What should I do if I already have the TSM and DRC INSIGHT installed from last school year?

For the TSM

- Verify if Send Update Notifications is checked or unchecked on the TSM. This setting can be changed by accessing this page.

localhost:8080/admin/manageTSM

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

TSM Name: [District - School - Location](#)

TSM Version: 6.0.8

TSM Server: 10.1.98.190

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

Manage TSM Settings

Caching Configuration Options

- Enable Content Caching
- Enable Response Caching

Select Update Notifications

- Send Update Notifications

TSM Application Updates

[Check for Updates](#)

[Save](#)

Send Update Notifications “unchecked” Preferred

- With this checkbox unchecked the TSM system software will perform the needed upgrade to version 7.0.1 in the background.
- When the update has finished TSM Version: 7.0.1 will be visible in the upper left corner of the Manager page and the TSM will be ready to use.



Testing Site Manager (TSM)

(includes Local Caching Service [LCS] capabilities)

TSM Name: District - School - Location

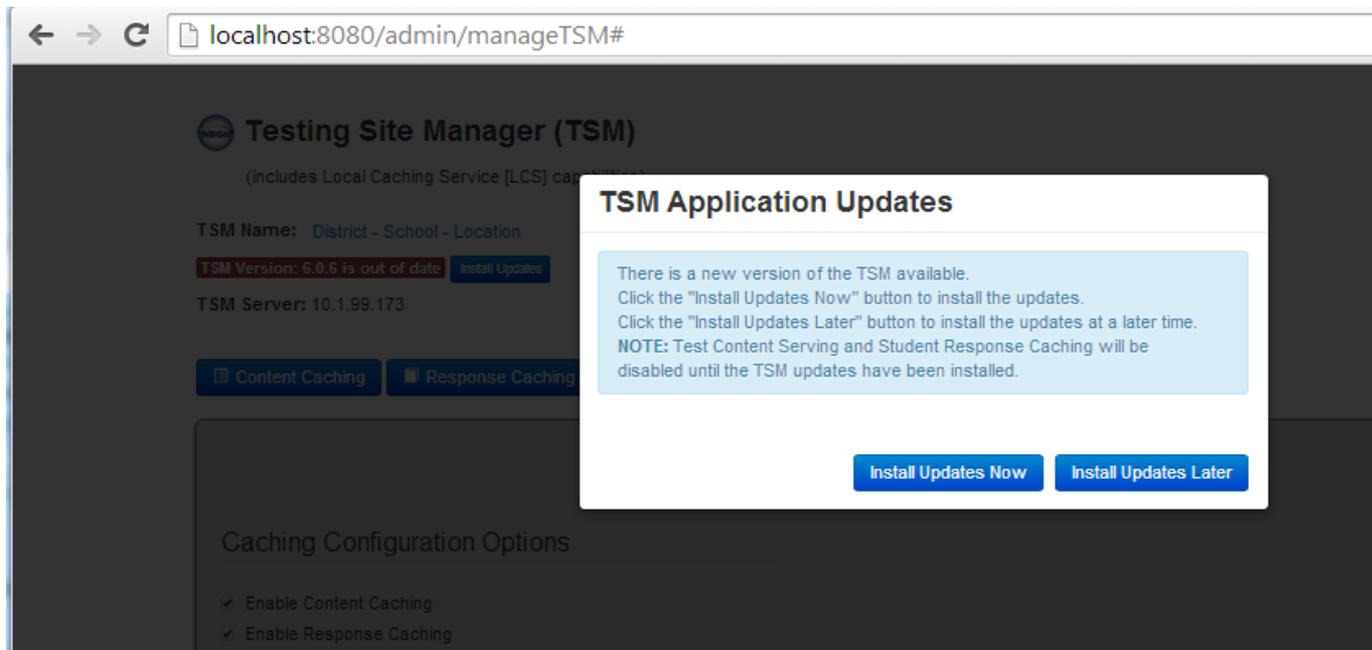
TSM Version: 7.0.1

TSM Server: 10.1.99.173



Send Update Notifications “checked”

- With this checkbox checked the TSM system software will wait to perform the needed upgrade to version 7.0.1 until it is manually started. Choose “Install Updates Now” to begin.



The screenshot shows a web browser window at the URL `localhost:8080/admin/manageTSM#`. The page title is "Testing Site Manager (TSM)" and it includes the Local Caching Service (LCS). The TSM Name is "District - School - Location" and the TSM Server is "10.1.99.173". The current TSM Version is "6.0.6 is out of date", with an "Install Updates" button next to it. Below this, there are checkboxes for "Content Caching" and "Response Caching". A modal dialog titled "TSM Application Updates" is displayed in the foreground, containing the following text: "There is a new version of the TSM available. Click the 'Install Updates Now' button to install the updates. Click the 'Install Updates Later' button to install the updates at a later time. NOTE: Test Content Serving and Student Response Caching will be disabled until the TSM updates have been installed." At the bottom of the dialog are two buttons: "Install Updates Now" and "Install Updates Later".

Send Update Notifications “checked”

- When the update has finished TSM Version: 7.0.1 will be visible in the upper left corner of the Manager page and the TSM will be ready to use.



Testing Site Manager (TSM)

(includes Local Caching Service [LCS] capabilities)

TSM Name: District - School - Location

TSM Version: 7.0.1

TSM Server: 10.1.99.173

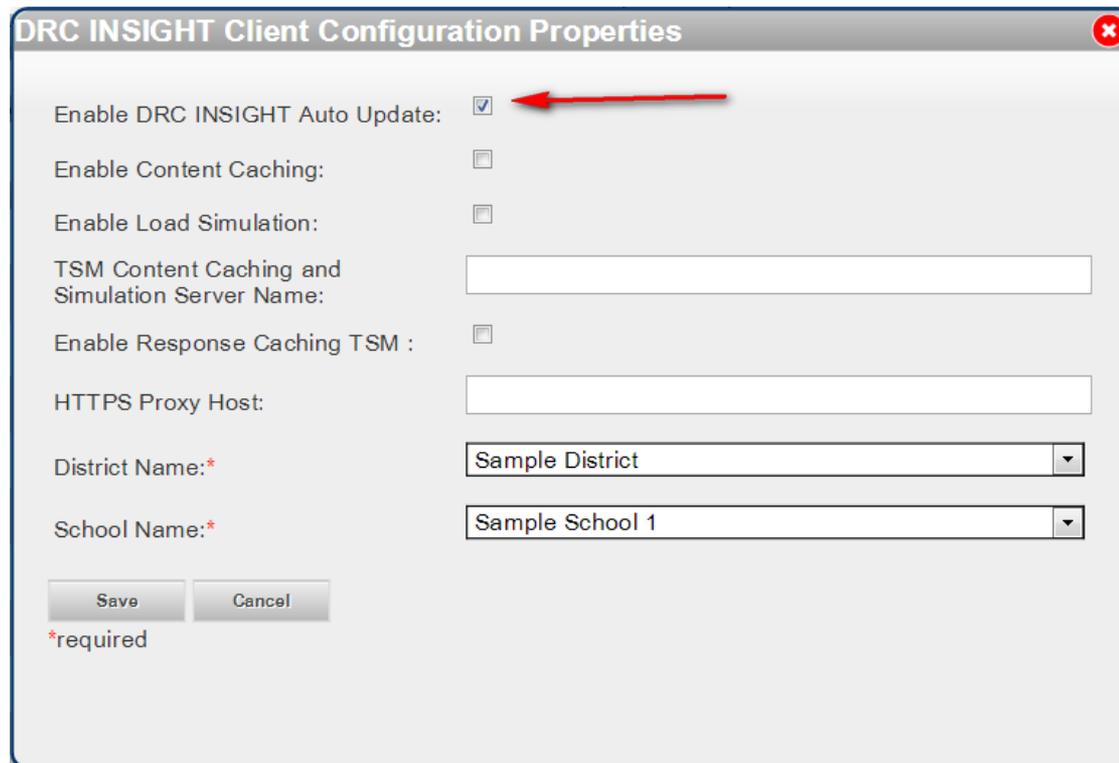
Content Caching

Response Caching ▾

Tools ▾

For DRC INSIGHT Secure Browser

- Verify Enable DRC INSIGHT Auto Update option is “checked” in Readiness application.



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 :

HTTPS Proxy Host:

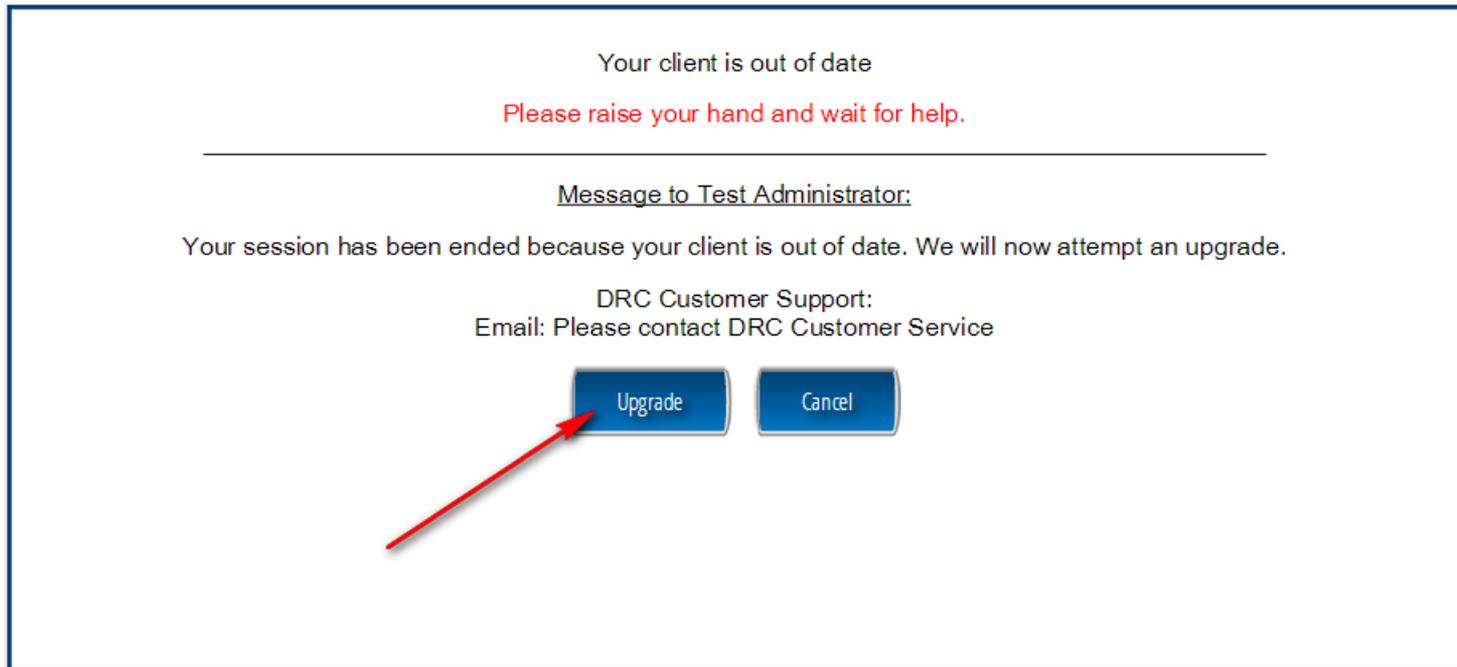
District Name:*

School Name:*

*required

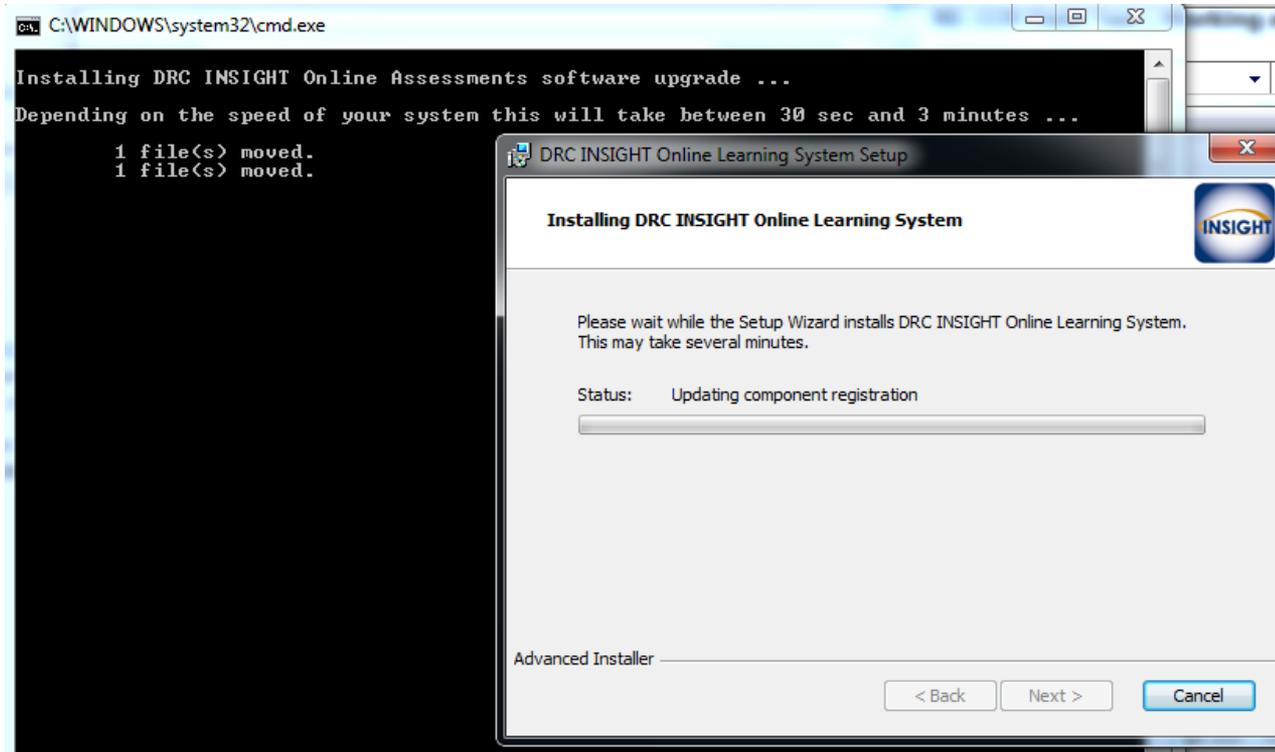
For DRC INSIGHT Secure Browser

- Launch DRC INSIGHT, then Select Upgrade button on student workstations to begin upgrade process.



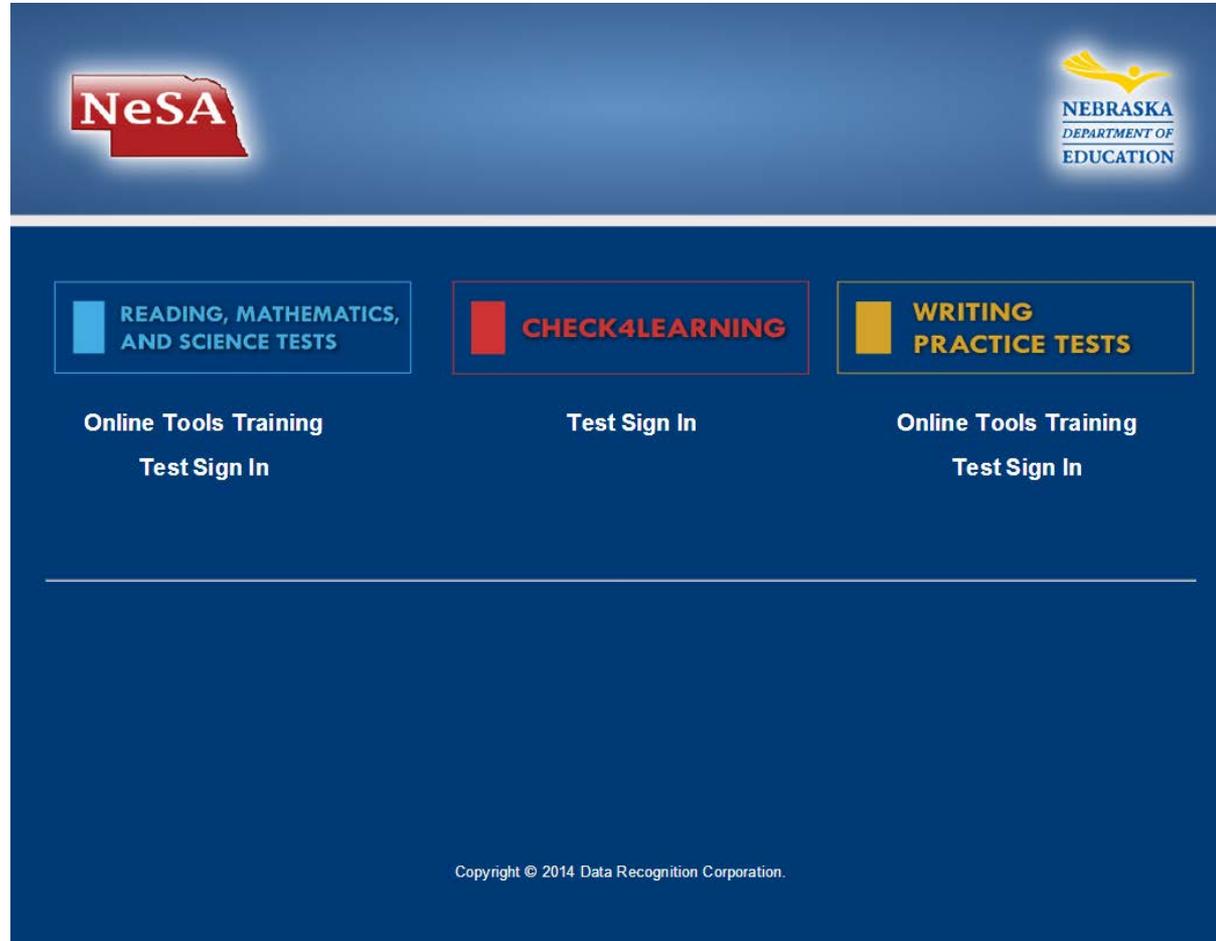
For DRC INSIGHT Secure Browser

- The application upgrade will begin.



For DRC INSIGHT Secure Browser

- Once completed, DRC INSIGHT will open automatically to the portal page.



NeSA

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READING, MATHEMATICS,
AND SCIENCE TESTS

CHECK4LEARNING

WRITING
PRACTICE TESTS

Online Tools Training
Test Sign In

Test Sign In

Online Tools Training
Test Sign In

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Upcoming N-TAC Training

Training	Dates
INSIGHT and TSM Installation Training for N-TACS – WebEx (2 sessions)	September 3-4, 2014
INSIGHT and TSM Management and Capacity/Load Testing Training for N-TACs – WebEx (2 sessions)	September 16-17, 2014
NeSA Test Administration Training for N-TACs – WebEx (2 sessions)	January 5-7, 2015

Please visit the NDE Statewide Assessment Office website for additional training information and WebEx invitations.
Training dates are subject to change.

DRC INSIGHT™
ONLINE LEARNING SYSTEM



DATA RECOGNITION
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Questions & Answers

NeSA Customer Service

Call Toll Free - (866) 342-6280

Fax - (763) 268-2540

email

necustomerservice@datarecognitioncorp.com

8:00 A.M. – 5:00 P.M. CST

