

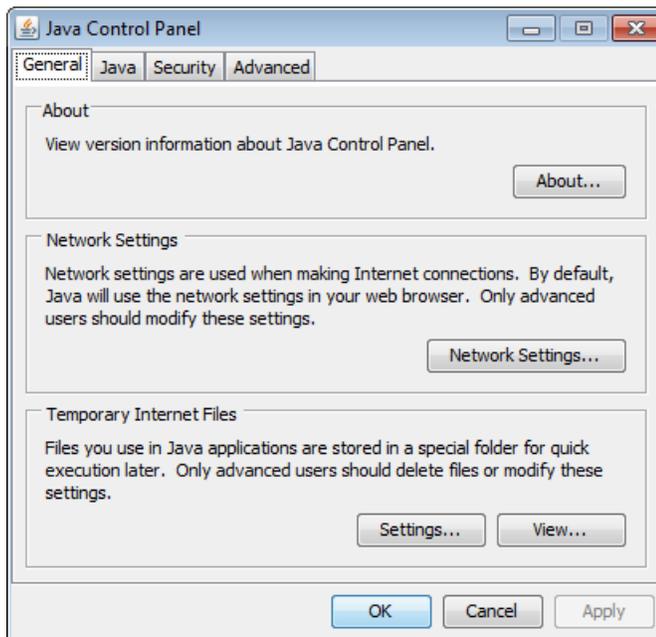
iCS Desktop Configuration Requirements

1. This document is a summary of configuration changes required to run iCS on a **Windows-based** computer. This guide is intended for new iCS user configuration, as well as a troubleshooting resource for existing iCS users. iCS is not certified to run on Apple devices at this time. If you would like additional information about the limited support options for iCS users on Apple machines, please contact iCSHelp@uillinois.edu.
2. Configuration changes will need to be completed by a user with Windows administrative privileges.
3. A 32-bit version of Java 7.75 or higher (including Java 8) is recommended for iCS. iCS may not function under older versions of Java. On a 64-bit computer, both the 32-bit and 64-bit versions of Java may be installed simultaneously, but the 32-bit version of Java is required for iCS to function properly.
4. The 32-bit version Internet Explorer version 7 or later is required for iCS.

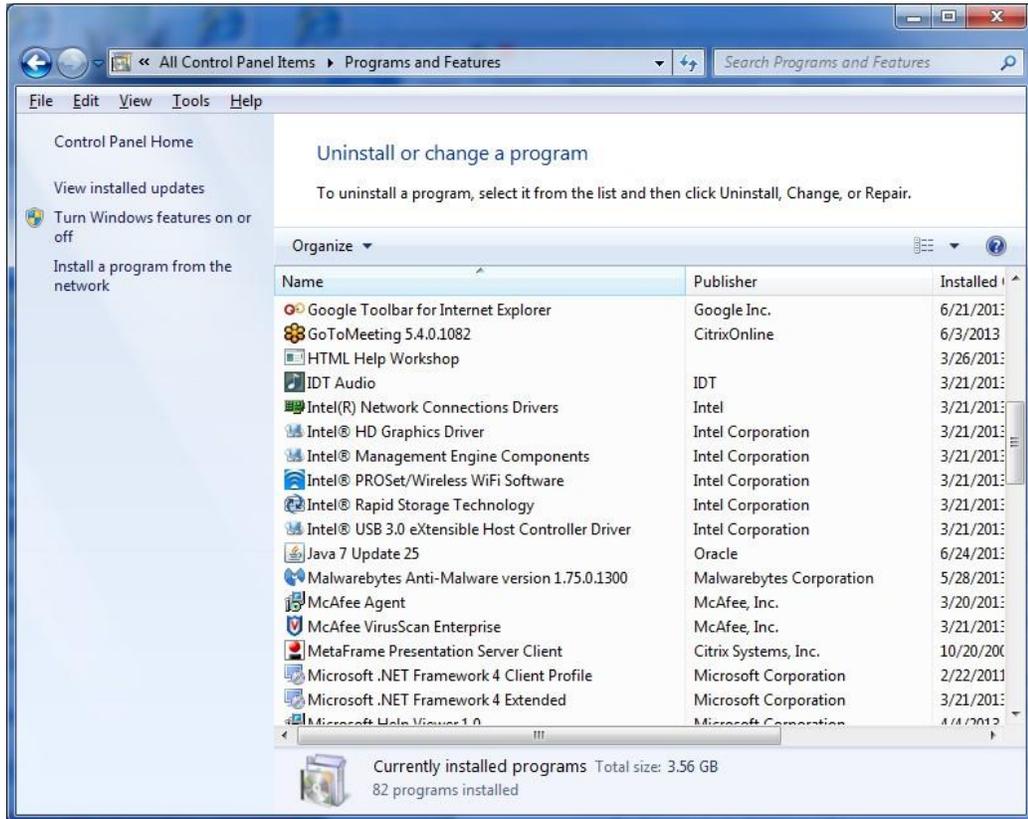
1. Java requirements

A. *Verify that an appropriate version of Java is installed*

1. Click the **Start** icon.
2. Select **Control Panel**.
3. Double-click the **Java** icon.
4. On the **General** tab, click the **About...** button.

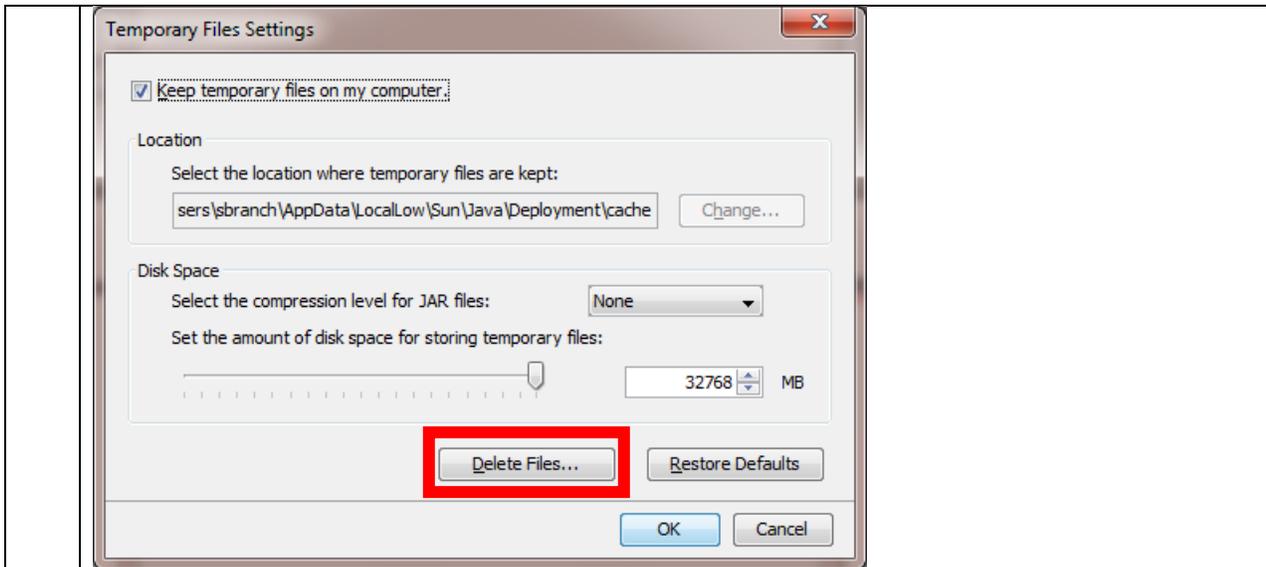


- Please install Java release 7.75 or higher. Oracle has built additional security safeguards into the Java software that will not permit earlier versions of Java to work with iCS. *If there is more than one release of Java installed on the machine, please remove the older version of Java before continuing with the iCS configuration.* You can check if multiple releases of Java are installed by selecting **Programs and Features** in the **Windows Control Panel**



B. Clear the Java Cache

1. Within the **Java Control Panel** window, click the **General** tab.
2. Click the **Settings...** button.
3. Click the **Delete Files...** button.



4. Click the **OK** button to verify the change.

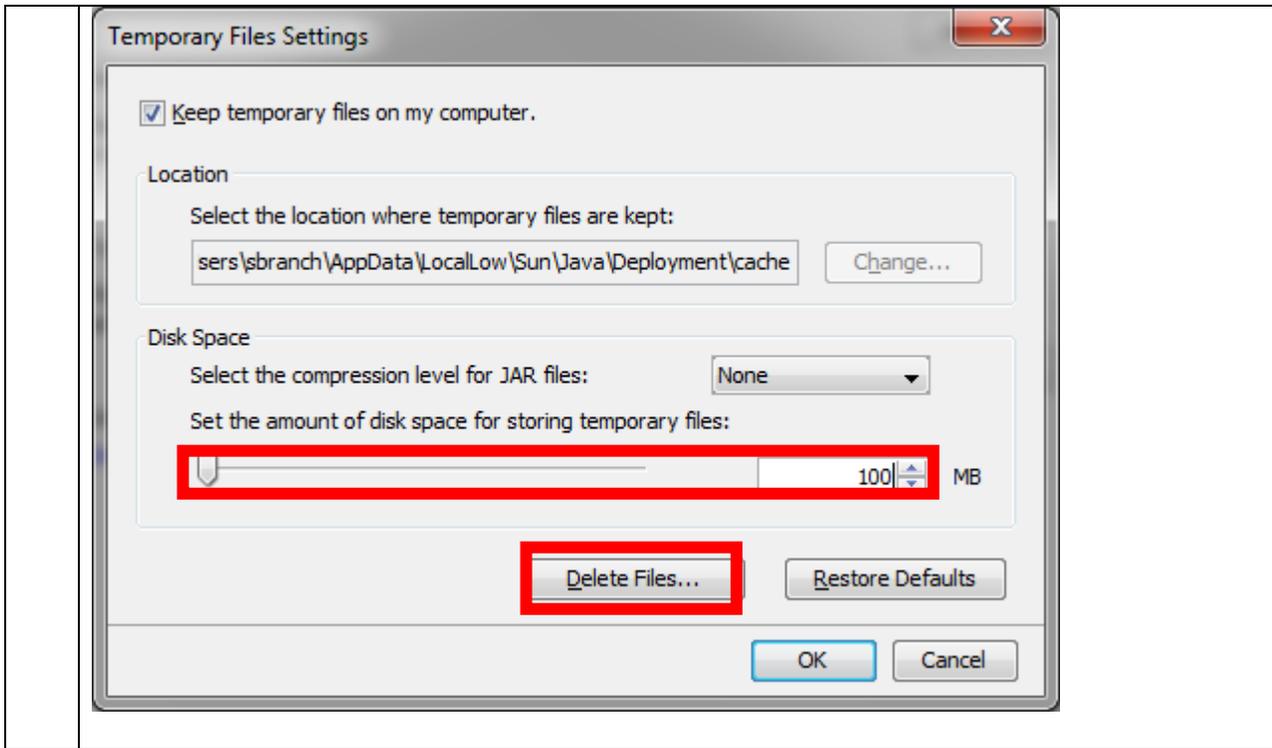
C. Reduce Java Allocation for Storing Temporary Files

By default, the amount of disk space allocated for Java temporary file caching is 32,768 megabytes. This is a very large amount of cache for iCS or any Java-based system to search. For improved performance, we recommend reducing the cache allocation to 100 MB.

1. Within the **Java Control Panel** window, click the **General** tab.

2. Click the **Settings...** button.

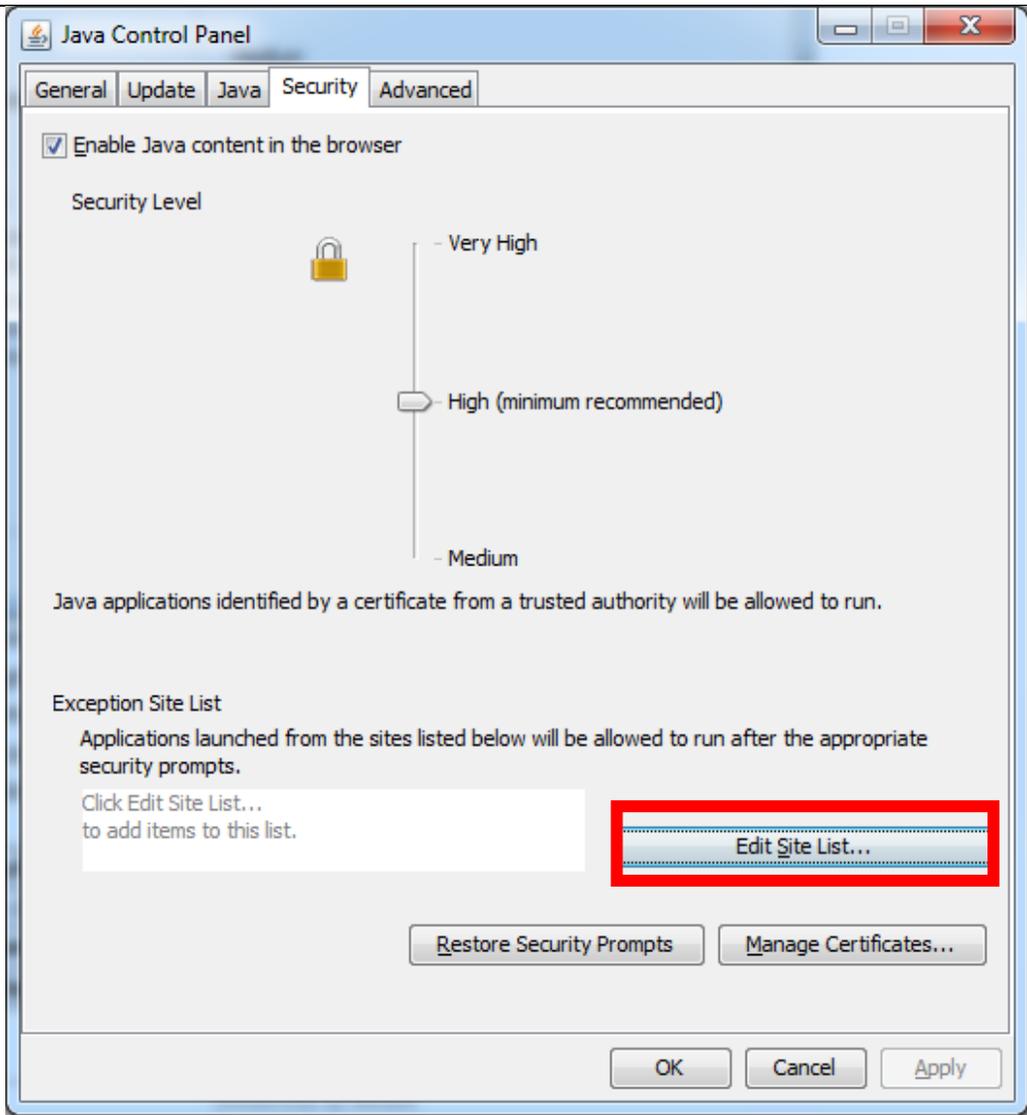
3. Change "Set the amount of disk space for storing temporary files" to 100.



4. Click **Delete Files**.
5. Click **OK** to verify the change.

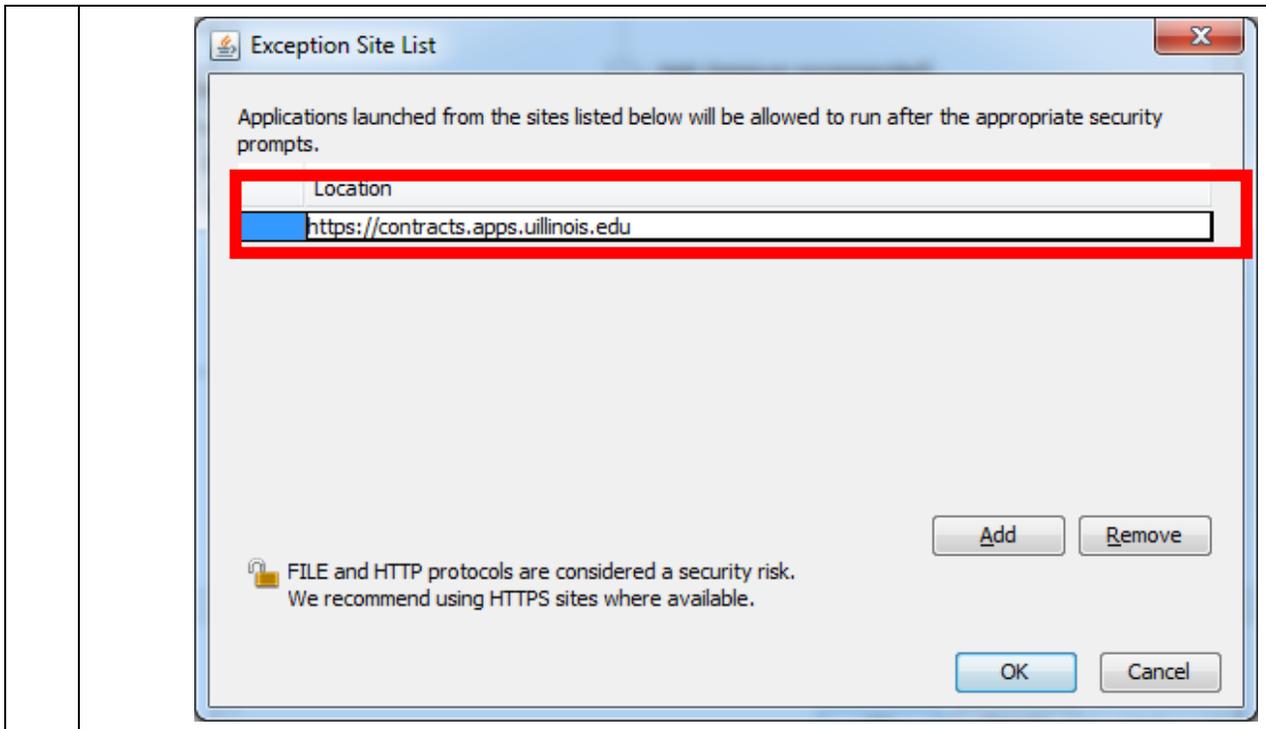
D. Add iCS URL to the Java Edit Site List

1. Click the **Start** icon.
2. Select **Control Panel**.
3. Within the **Java Control Panel** window, click the **Security** tab.
4. Click **Edit Site List**.



The screenshot shows the Java Control Panel window with the Security tab selected. The 'Enable Java content in the browser' checkbox is checked. The Security Level is set to 'High (minimum recommended)', indicated by a yellow padlock icon and a slider. Below the slider, it says 'Java applications identified by a certificate from a trusted authority will be allowed to run.' Under the 'Exception Site List' section, there is a text box with the instruction 'Click Edit Site List... to add items to this list.' The 'Edit Site List...' button is highlighted with a red rectangle. At the bottom of the window are buttons for 'Restore Security Prompts', 'Manage Certificates...', 'OK', 'Cancel', and 'Apply'.

5. Add the iCS URL (<https://contracts.apps.uillinois.edu>) to the edit site list.



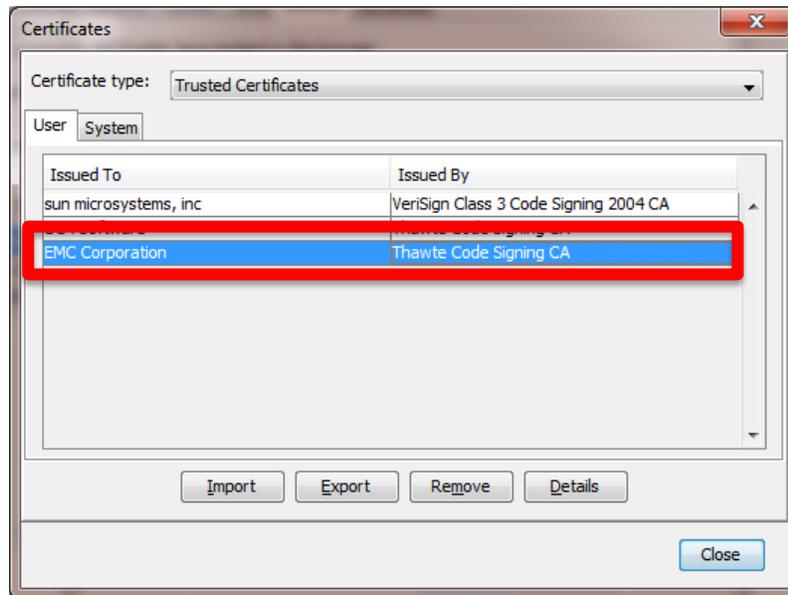
6. Click **OK** twice to confirm.

E. Remove EMC Certificates

1. Within the **Java Control Panel** window, click the **Security** tab.

2. Click Manage **Certificates**.

3. On the **User** tab, select **EMC Corporation**.



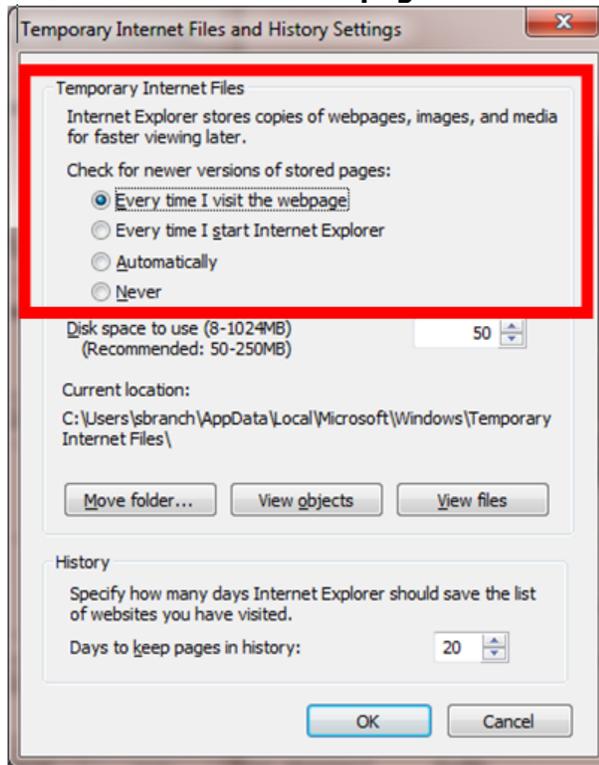
4. Click **Remove**.

2. Internet Explorer requirements

iCS is compatible with the following browsers: Internet Explorer 7 through 11 (32-bit version), and Firefox7 through 11. This document outlines the configuration requirements for Internet Explorer; where equivalent settings exist in Firefox, they will need to be configured accordingly.

A. Check for newer version of stored pages

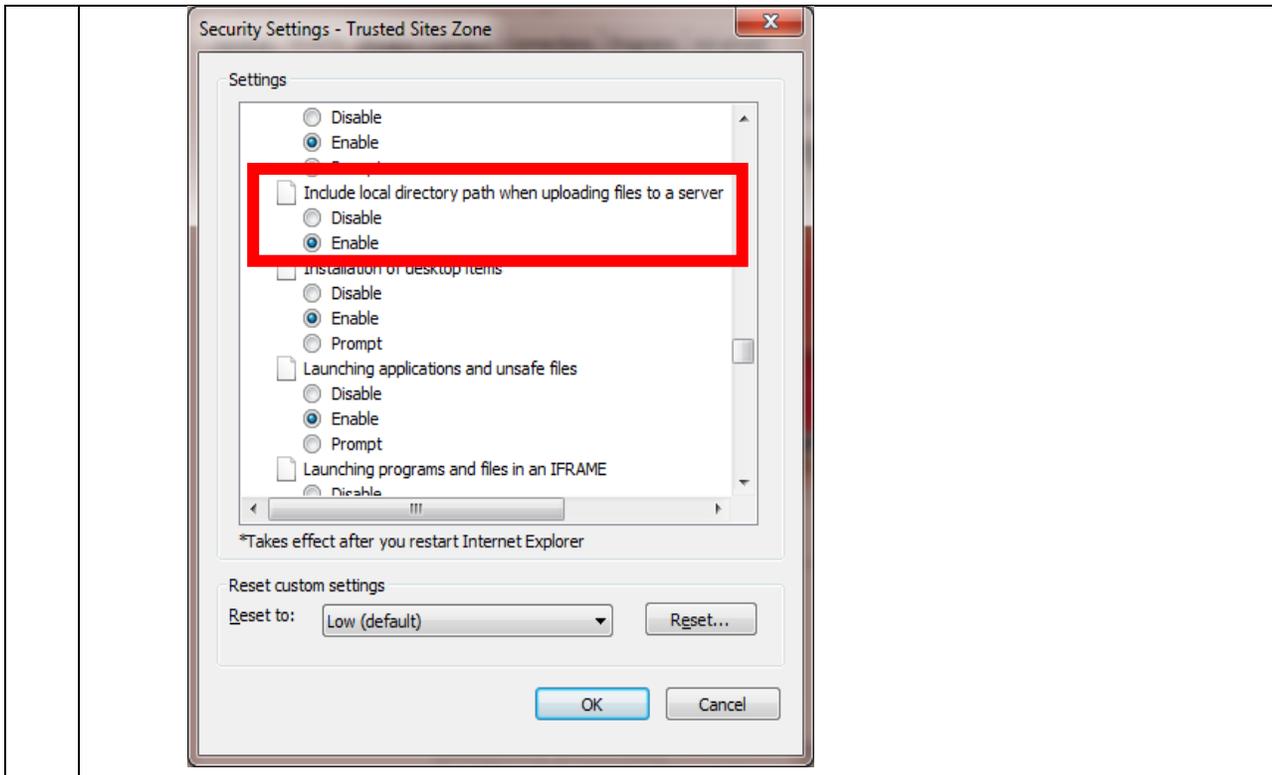
1. Launch Internet Explorer.
2. Click the **Tools** menu.
3. Select **Internet Options**.
4. On the **General** tab, click **Settings** (located under *Browsing history*).
5. Select **Every time I visit the webpage** from the options under **Check for newer versions of stored pages**.



6. Click **OK**.

B. Enable local directory path when uploading files to a server

1. Within the **Internet Options** window, click the **Security** tab.
2. Select the **Internet** icon under **Select a zone to view or change security settings**.
3. Click **Custom level**.
4. Select **Enable** from the options under **Include local directory path when uploading files to a server**.



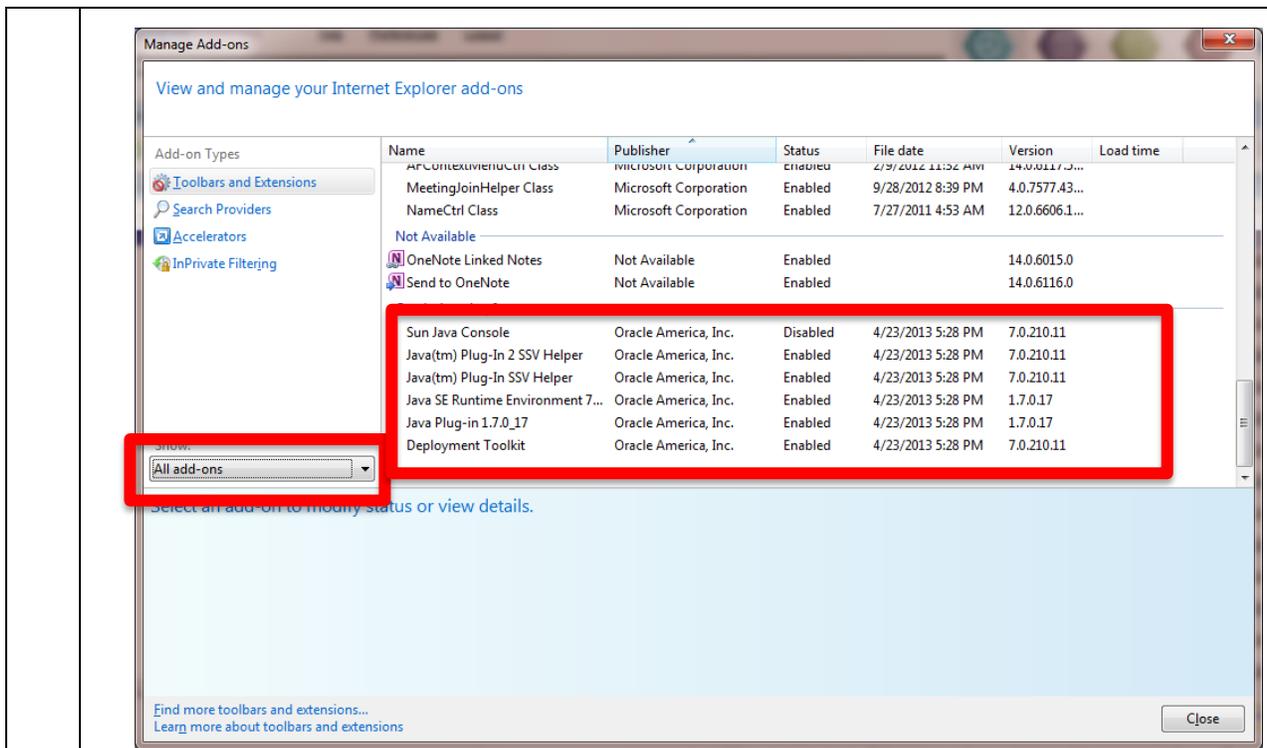
5. Click **OK**.

C. Disable Java plug-ins for older versions of Java

1. Within Internet Explorer, select the **Tools** menu.

2. Select **Manage Add-ons**.

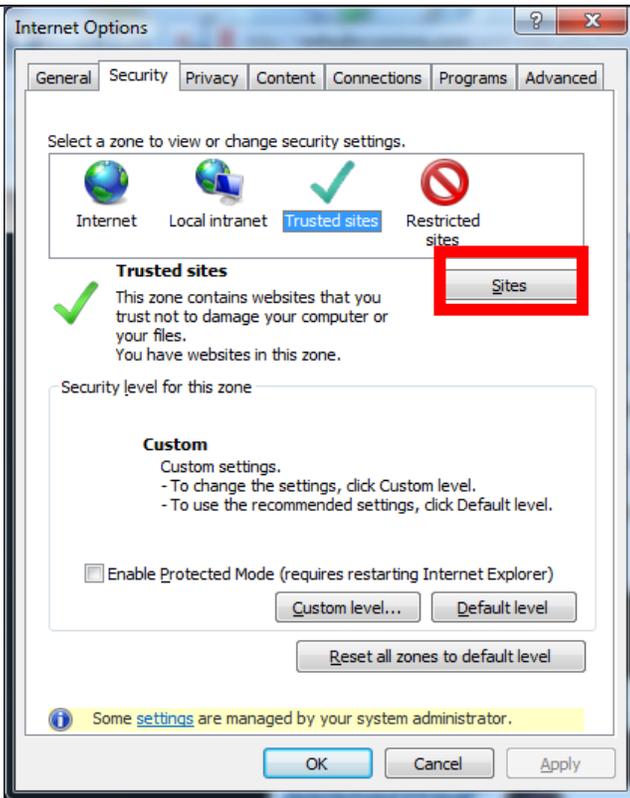
3. From the **Show:** menu, select **All add-ons**.



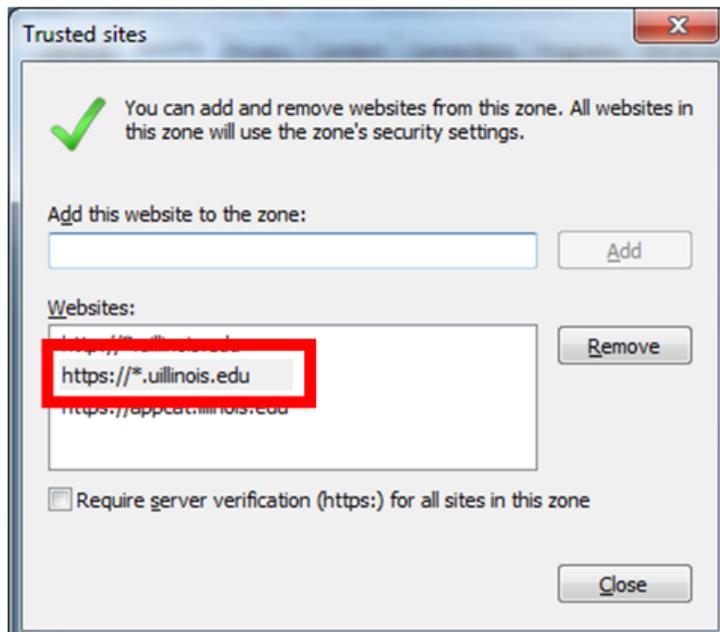
4. Disable any Java plugins not associated with the current version of Java under *Oracle America, Inc.* or *Sun Microsystems* by **Right-clicking** the add-on and selecting **Disable**.
5. In addition, please ensure that the Java SSV helper plug-ins are enabled. To enable a plug-in, right-click and select **Enable**.

D. Trusted Sites

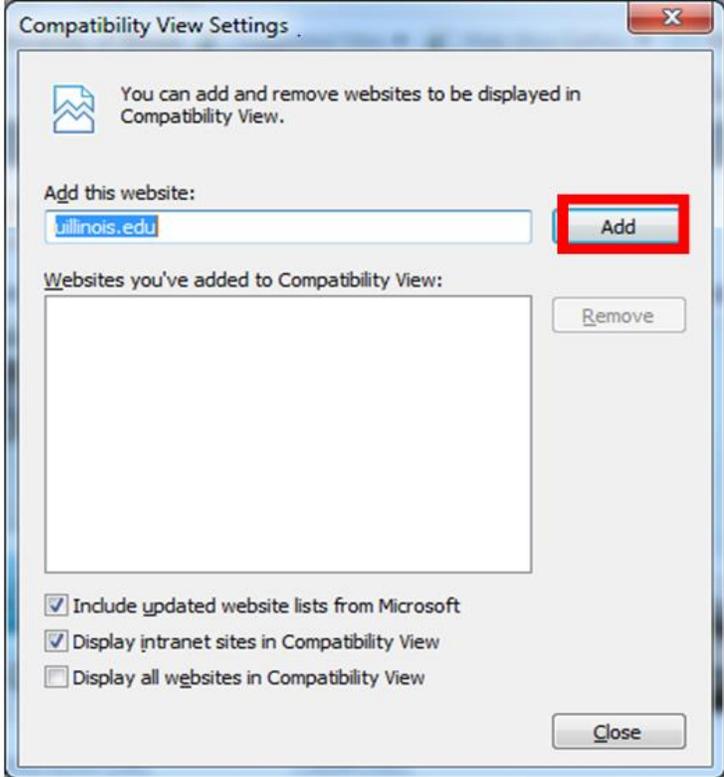
1. Within Internet Explorer, select the **Tools** menu.
2. Select **Security**.
3. Select **Trusted Sites**.
4. Select **Sites**.

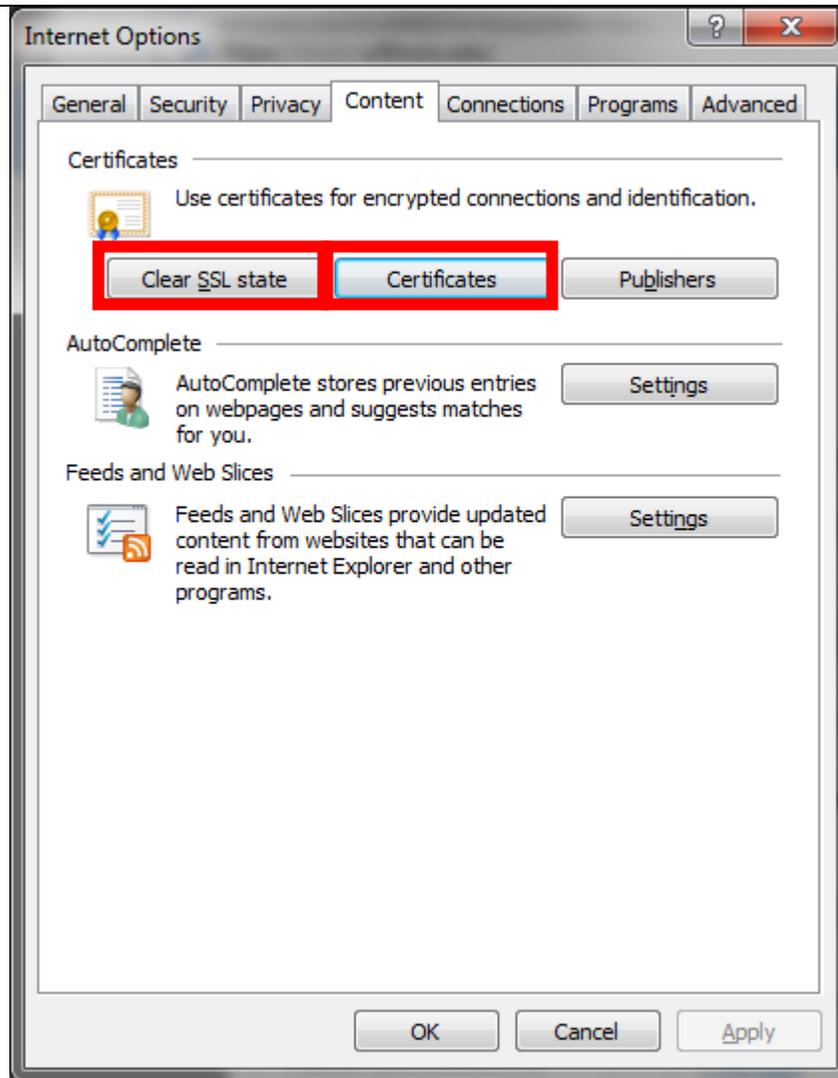


5. If it does not already exist, add an entry for https://*.uillinois.edu to this web zone.

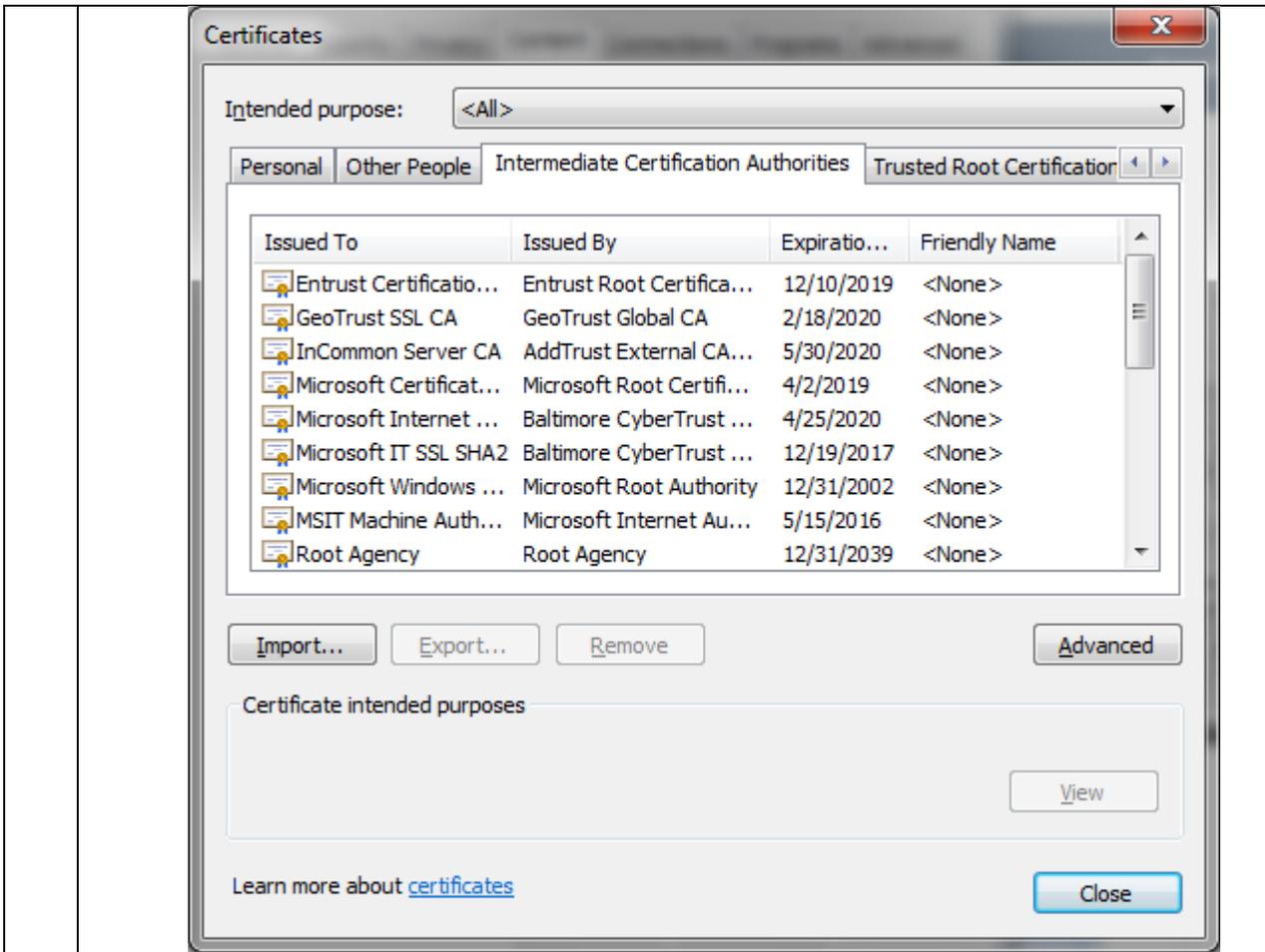


6. Click **Close**.

E.	Update Compatibility View (only if iCS screens are not painting properly with IE 10 or IE 11)
	If Internet Explorer 10 or 11 are installed and the iCS screens do not paint properly, please perform the following steps:
	Within Internet Explorer, select the Tools menu.
	1. Select "Compatibility View Settings"
	2. If it does not already exist, please add an entry for the "uillinois.edu" domain.
	
	3. Click Close .
F.	Clear SSL State and Remove EMC Certificates from the Internet Explorer browser
	The presence of outdated EMC certificates in the browser can sometimes prevent Java from working properly. Typically, documents will "hang" during the import process after metadata is input. Removal of EMC certificates will usually resolve the issue.
	1. Within Internet Explorer, select the Tools menu.
	2. Select Internet Options .
	3. Select the Content tab.
	4. Press Clear SSL State .
	5. Press Certificates .

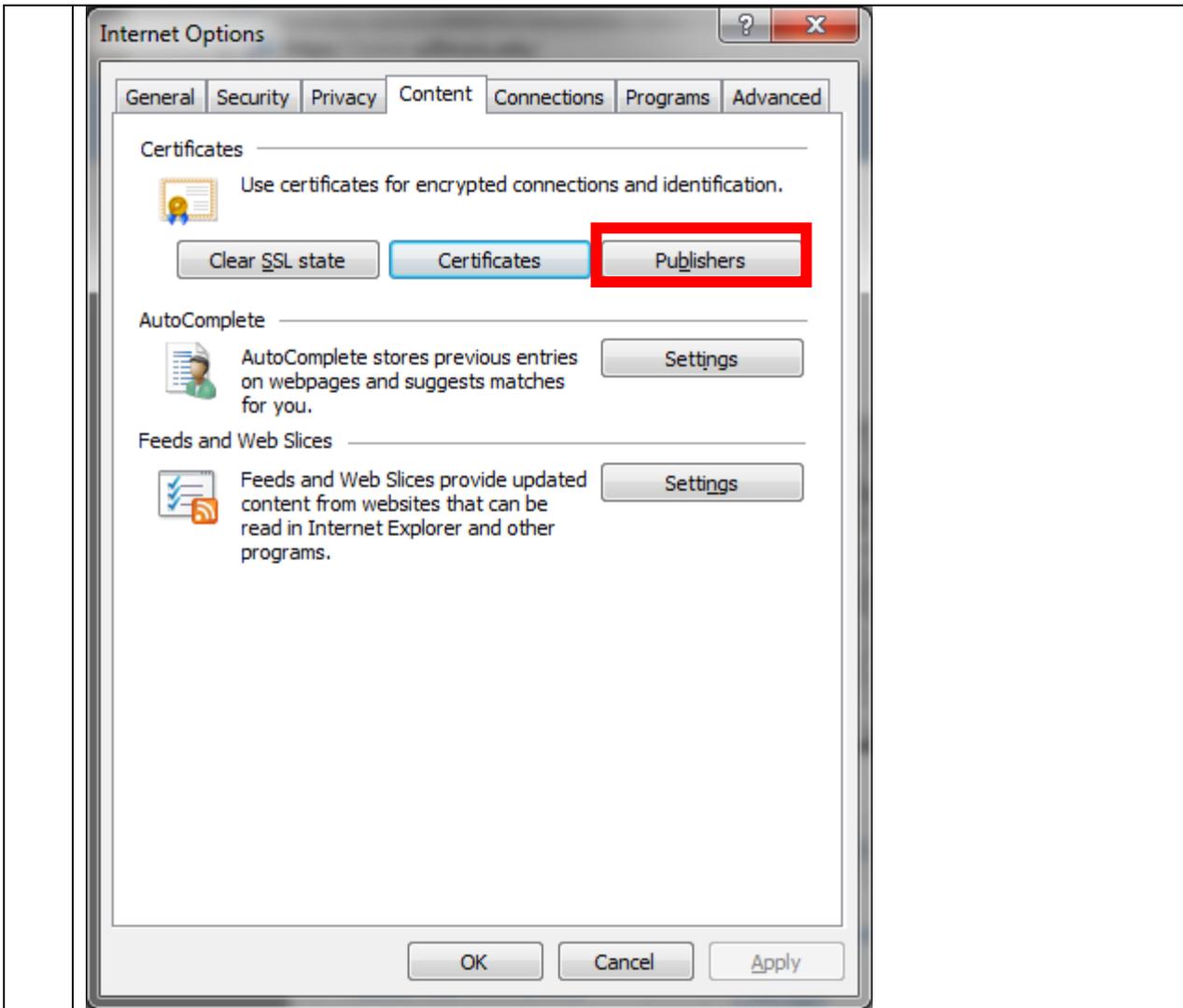


6. Ensure that Intended Purpose is set to **all** on the Certificates screen. Please review all tabs for an EMC certificate. If an EMC certificate is found, please highlight the certificate and press **Remove**.



7. Click **Close**.

8. Repeat the same step on the "publishers" tab under IE Security.



9. Click **OK**.

G. Clear Cache on Browser Exit (Optional)

To maintain optimal performance, browser cache should be cleared at least once a month. However, some users may prefer to automatically clear browser cache each time Internet Explorer is closed. This may cause a very minor performance degradation to iCS the first time the user logs in during the day. However, performance will improve very rapidly as the cache builds up with normal iCS use throughout the day.

Within Internet Explorer, select the **Tools** menu.

1. Check the **Delete Browsing History on Exit** box.

2. Click **OK**.

Additional Desktop Configuration

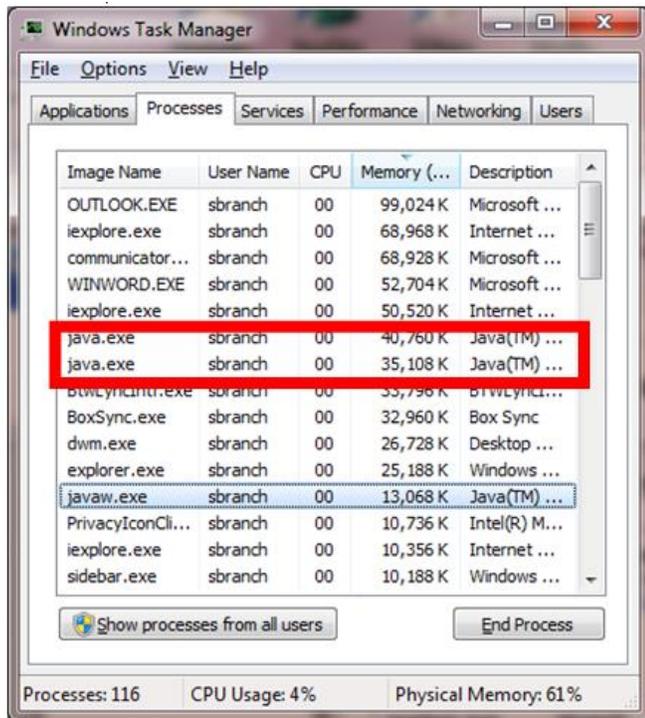
A. Create a shortcut to the iCS Resource Page (Optional)

1. **Right-click** on your desktop.
2. Select **New**.
3. Select **Shortcut**.
4. In the **Type the location of the item:** field, type <http://www.obfs.uillinois.edu/ics-resources>. *The users can run iCS from this location.*
5. Click **Next**.
6. In the **Type a name for this shortcut:** field, type *iCS Resource Page*.
7. Click **Finish**.

B. Delete the ucf directory – this step may be necessary to fix Java errors

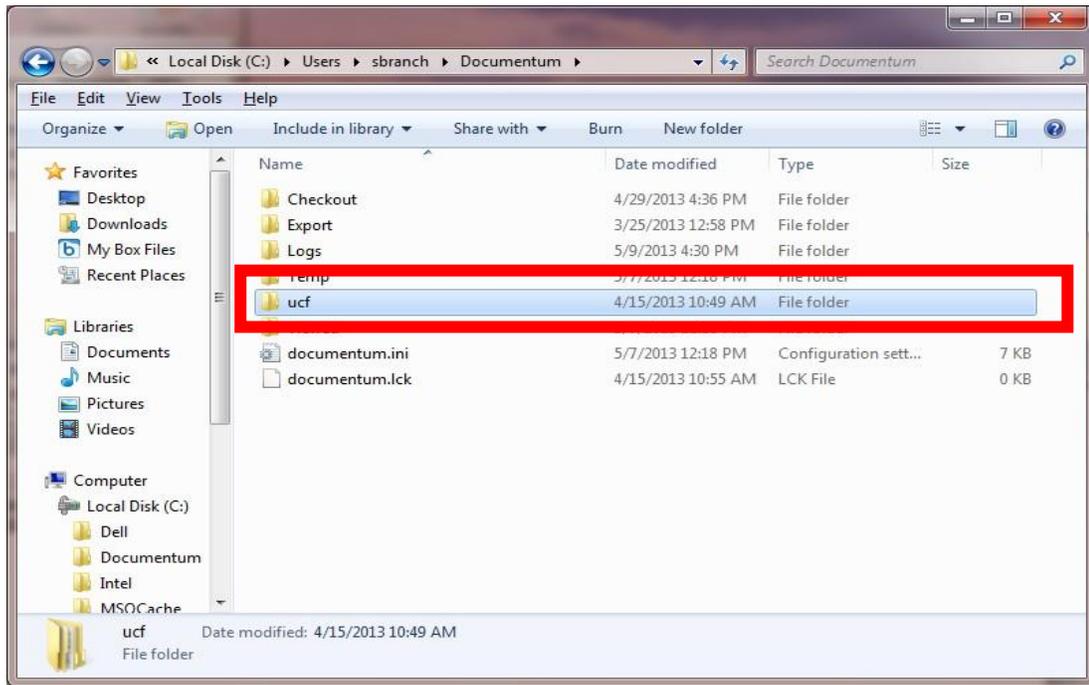
First, disable all **javaw.exe** or **java.exe** sessions by pressing CTRL+ALT+DELETE on the keyboard.

1. Select **Start Task Manager**.
2. Click the **Processes** tab.
3. Click the **Image Name** column heading to sort the list alphabetically.
4. Scroll and locate **javaw.exe** (if any).
5. Select any occurrences of **javaw.exe** or **java.exe**.



6. Click **End Process**.
7. Navigate to file folder C:\users\username\Documentum.

8. Select the **ucf** folder.



9. Press the **DELETE** key on the keyboard.

10. Click **OK**.

Additional documentation pertaining to iCS desktop verification can be found on the iCS Resource Page at: <http://www.obfs.uillinois.edu/ics-resources>