WebHMI64
Server and Client Configuration Best Practice

APPLICATION NOTE

August 2014

Description: Configuring correct settings for servers and clients who use WebHMI64
General Requirement: General understanding of IIS.

Introduction

After any updates are made to a GENESIS64 server such as applying an ICONICS Hot-Fix Pack\Service Pack installation the following steps will ensure all clients gets updated data.
The settings and procedures detailed in this document ensure these changes are recognized by WebHMI clients that connect to the server.

Server Settings

Configuring a web server's IIS settings

1. On your web server computer, open the IIS manager which should appear under Control Panel > Administrative Tools > Internet Information Services (IIS) Manager.
2. Select the name of your server in the left-hand connections page
3. In the main pane in the middle of the window, double-click 'Output Caching' which appears in the IIS section
4. In the right-hand pane, click 'Add…'
5. In the 'File Name Extension:' input-box enter '.gdfx' (without the apostrophes).
6. Check the 'User-mode caching' box, and in the new options that appear check 'Using file change notifications'. Also check the 'Kernel-mode caching' box, and in the new options that appear check 'Using file change notifications'. Click 'OK' to close the window.
7. Repeat steps 4-6 for any other file types you would like clients to refresh immediately for clients (i.e. .gdfxs, .gdfxp)
8. Clients must clear their Internet Explorer cache to retrieve the new settings. On each client press F12 whilst in Internet Explorer, and choose 'Cache' > 'Clear Browser Cache'.

NOTE: Pressing F12 will open Developer Tools window. You can open it also from IE selecting Tools > F12 developer tools

If after making these changes web clients are still having problems seeing updated screens, please follow these further steps for each rule added in the previous steps:

9. Highlight the rule in the 'Output Caching' section of the Internet Information Services (IIS) Manager, and click 'Edit' in the right-hand pane.
10. Check both the 'Prevent all caching' boxes and click 'OK'.
11. Clients must clear their Internet Explorer cache to retrieve the new settings. On each client press F12, and choose 'Cache' > 'Clear Browser Cache'.

If after making these changes web clients are still having problems seeing updated screens, please follow these steps:

12. In the 'Output Caching' section of the Internet Information Services (IIS) Manager, click 'Edit Feature Settings' in the right-hand pane.
13. Uncheck the 'Enable Cache' and 'Enable kernel cache' boxes.
14. Click 'OK' to close the window.
15. Clients must clear their Internet Explorer cache to retrieve the new settings. On each client press F12, and choose 'Cache'> 'Clear Browser Cache'.

Client Settings

Clearing old versions of XBAP cache

1. Delete the contents of the following folder: C:\Users\{youraccountname}\AppData\Local\assembly\dl3.
2. In a command window (Start > Run > Cmd), type in the following command (without the apostrophes at the start and end):

'rundll32 %windir%\system32\dfshim.dll CleanOnlineAppCache'

Enabling Internet Explorer to always check for any changes

1. Load Internet Explorer, click the tools icon and then click 'Internet Options'.
2. In the new window that appears, click 'Settings' in the 'Browsing History' section
3. In the new window, check the 'Every time I visit the webpage' option.
4. Click 'OK' to close the window.