

Image Web Server Release Notes

February 2008



ER Mapper

image web server

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Leica
Geosystems

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Image Web Server Release Notes

■ About Image Web Server

Image Web Server is the leading product for delivering large raster images (greater than terabyte size) over intranets and the Internet using a client/server architecture. This can be done even over networks with relatively low bandwidths, making the Image Web Server particularly suited for the Internet.

■ What's New in Image Web Server

New in Image Web Server 8.5

- New native 64 bit platform support for Windows/IIS.
 - Improved performance and scalability.
 - Runs as a native 64 bit ISAPI extension.
- New Algorithm support (Enterprise edition only).
 - Serve algorithms via WMS and ImageX protocols.
 - Algorithm preview in console.
 - Color balancing and image mosaicking supported.
 - Algorithms created in ER Mapper Pro 7.2 or earlier can be served.
- New projection library based on the Blue Marble Toolkit.
 - New HARN projection support.
 - Customizable datum change methods for grid based reprojections.
- New 'GML in JP2' support for JPEG 2000 files in both the client (SDK) and server.
- Scale render hints supported for WMS.
- Enhancements to Web 2.0 (plug-in-less) map control.
- Roll up of all Image Web Server patches and hot fixes since 8.1.
- Many bug fixes, compliance issues and enhancements have been added.

New in Image Web Server 8.1

GIS overlay support with the Web 2.0 Layered View control: A server side proxy component has been added that makes requests to GIS server and "knocks-out" colors in the returned image to provide transparency for GIS requests. The functionality of the pure HTML control is now even more closely matched to that of the native browser plug-ins.

Firefox windowless support in plug-in: The Firefox plug-in is now windowless, allowing other html elements to be layered over it.

New browser plug-in universal installer on Windows: The plug-in installer for Internet Explorer and Firefox on Windows is now one universal installer, simplifying the plug-in install.

ArcXML configuration extensions: The ArcXML service has been enhanced to support re-projection on the fly. Plus services may now include more than one layer.

Other enhancements and bug fixes:

- Connection lost error message removed - When connection is lost a javascript event is now triggered instead of a message box being displayed so that it can be handled gracefully. Also ECWP has been made more resilient to network issues, so that the connection being lost should occur a lot less.
- Request multiple WMS layers by requesting the parent layer.
- Potential crash resulting from restarting the server while it is busy fixed - Image Web Server 8.0 had a bug that could result in the server crashing immediately after a restart if client were connected at the time of the restart. This has been fixed in 8.1.
- Improved installer - An options screen has been added to the Image Web Server installer so that the user is not presented with popup options during the install process. Also now when upgrading, you can choose to keep the current Image Web Server configuration or reset to the defaults.
- The Firefox plug-in is now much more stable and fully compatible with the Internet Explorer plug-in.
- The Image Web Server Console can now be launched using Java Web Start for easy remote management.

New in Image Web Server 8.0

- Enhanced Image Web Server Console.
- Independently expose ECW or JPEG 2000 files with different protocols.
 - Name and group WMS layers.
 - Preview images.
 - Remote management.

- Cross platform Java GUI.
- New Web 2.0 plug-in-less web control.
 - Tiled map view control.
 - Fade/transition effects for advanced web pages authoring.
 - Transparency support for ECW JPEG 2000 layers.
 - Re-projection on the fly.
- Re-projection on-the-fly for WMS and ImageX services.
- Enhanced ArcXML performance.
- Enhance WMS 1.1.1 conformity.
 - Combine multiple layers in a map request.
 - Supports multiple WMS services.
 - Enhanced ArcXML/WMS configuration options.
 - NULL cell handling for JPEG 2000 images in all Protocols.
 - Polygon clipping for WMS and ImageX services.
 - Improved stability and scalability.

Installation

Kwown issues with these installer

- 1.** If any Image Web Server files (including the sample pages) are in use during the uninstall process, they will be deleted after rebooting. The directories may not be deleted and need to be removed manually.
- 2.** Installation paths are limited to 512 characters or less.
- 3.** The ECW Netscape 4 plug-in is no longer supported as of version 2.0. Please upgrade to Netscape 7 or higher.
- 4.** Some files have been renamed to 8.3 filenames to resolve outstanding installation issues. This may cause problems if you installed a version previous to 2.0 to a non-standard directory, or created shortcuts to any files in the distribution. If you encounter this issue, you will need to modify the shortcuts or start menu entries.

5. If you are currently using Image Web Server 8.0 or earlier with an Office, Corporate or Enterprise license, you will require a new license key for use with version 8.1. Contact your local reseller or Earth Resource Mapping office for a new license key.
6. If you install the IE plug-in under Windows 2000 using the MSI install, the NCSRenderer COM object in NCSEcw.dll will NOT be registered. This is because the MSI file does not install under the standard Program Files area and conflicts can occur with the server install.
7. If you are installing Image Web Server onto Windows 2003 Server it is required that Service Pack 1 be installed.

Other issues

1. Due to the variety of proxies and firewalls available, not all combinations have been tested. Some such as WinGate have known problems handling the ECWP protocol. Please submit proxy related bug reports with details of you configuration to Leica support, as described in the "[Contacting Us](#)" section.
2. IMAGEX.DLL or ECW_IMG.DLL requires the Windows Internet Client (wininet.dll) version 5.0 or higher installed on the SERVER for URL support to work correctly (i.e., to use ECWP). wininet.dll v5.0 ships as part of Internet Explorer v5.0.
3. You may receive an "ASP 800a03ea" error viewing the Sample Pages. This is due to an older version of the "Microsoft Scripting Engine" being installed on your server which does not support exception handling inside ASP files. An updated version can be obtained from the Microsoft web site at:
<http://www.microsoft.com/scripting>.
Select the "Windows Script Host" and then Install Microsoft Scripting Engine 5.5". You need at least version 5.0 installed to view sample pages using ASP (IIS 4.0 and Internet Explorer 4.01 only include v3.0 of the script engine).
4. Windows 2000 "Restricted user" support - this type of user does not have access rights to install files in the Program Files directory or create registry keys in HKLM. The plug-in must be installed via a MSI file (Microsoft Installer) for the installation to work correctly. Hence the plug-in "Manual install" option now points to ECWActiveXControls.msi under Windows 2000/XP and ECWActiveXControls.exe under 98/NT4. The Automatic install option has been updated to link to the Manual install file on failure of the Automatic install. Neither of these changes are documented in the Image Web Server User Guide.

5. Image Web Server may ask for authentication for images which have anonymous access enabled. This might indicate a known problem with older versions of IIS. If this occurs you may need to change the anonymous user to specify a password (on the "Directory Security" tab of the web site properties, under "Anonymous Access and Authentication Control", uncheck "Enable automatic password synchronization" and specify a password. The same password should be specified for the anonymous user account in the User Manager).



Refer to the official Image Web Server documentation for more information on this issue.

This problem with IIS is documented in the Microsoft Knowledgebase and a workaround is provided at the following link:

<http://support.microsoft.com/support/kb/articles/Q184/7/30.ASP>

The problem occurs when the IUSR_<machine_name> account's password in the metabase is no longer in synchronization with that currently registered in User Manager.

6. Image Web Server v1.66 and above fixes a bug where there are severe resource (handle) leaks when using the NCSRender component in asp pages. By default you DO NOT get the fix. To activate the fix you must:
Create a new DWORD value in the registry key "HKEY_LOCAL_MACHINE\Software\Earth Resource Mapping\Image Web Server" called "ECWImage Use Winhttp". and set it to 1.



This may cause the server to go into constant 100% CPU usage. This is due to a know bug in Windows 2000, Consult the Microsoft knowledge base article Q282865. The reference for the bug can be found at:

<http://support.microsoft.com/default.aspx?scid=kb;EN-US;q282865>

7. For authentication of ECW images with the Java applet, the client must have a Java Runtime Environment installed (1.4.2 under Netscape7/Mozilla1.4/Firefox or 1.4.0 for Internet Explorer).
8. To use the server configuration tool (NCSServerGui.exe) you must have a Java Runtime Environment version 1.4 or higher installed on the server.

Contacting us

Please contact us about any problems that you encounter in using this product:

For Release Versions (product downloaded from public website):

<http://www.ermapper.com/support.aspx>

For Beta Versions (product downloaded from beta website):

<http://www.ermapper.com/support/beta.aspx>

We are also contactable in these regions:

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Please include the following in your bug reports:

1. PRODUCT.
2. VERSION.
3. COMPUTER AND O\S DETAILS.
4. SUMMARY \ DESCRIPTION.
5. STEPS TO REPRODUCE THE PROBLEM.
6. SAMPLE DATA (JPEGs for error snapshots, small ECW or ER Mapper files, etc).
7. THINGS THAT YOU TRIED YOURSELF TO FIX THE PROBLEM OR YOUR ANALYSIS.