



# RELEASE GUIDE

## ERDAS APOLLO

June 08, 2016



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## Contents

<b>About This Release</b> .....	<b>3</b>
<b>ERDAS APOLLO License Tiers</b> .....	<b>3</b>
ERDAS APOLLO Essentials .....	3
ERDAS APOLLO Advantage .....	3
ERDAS APOLLO Professional.....	3
Geocompressor .....	4
<b>New Technology</b> .....	<b>4</b>
Experience new online workflows .....	4
Create value-added products on demand .....	4
Real-time image enhancements.....	4
Enhanced Server Logging.....	4
Incremental Performance and Security Improvements.....	5
<b>System Requirements</b> .....	<b>5</b>
ERDAS APOLLO .....	5
System Requirements Notes.....	7
<b>Issues Resolved</b> .....	<b>7</b>
ERDAS APOLLO ESSENTIALS .....	7
ERDAS APOLLO .....	11
Geocompressor .....	19
<b>About Us</b> .....	<b>20</b>



## ABOUT THIS RELEASE

This document describes the enhancements for ERDAS APOLLO, including ECW products. Although the information in this document is current as of the product release, see the Hexagon Geospatial Support website for the most current version.

This release includes both enhancements and fixes. For information on fixes that were made to ERDAS APOLLO for this release, see the Issues Resolved section. For information on enhancements, see the New Technology section.

This document is only an overview and does not provide all of the details about the product's capabilities. See the online help and other documents provided with ERDAS APOLLO for more information.

## ERDAS APOLLO LICENSE TIERS

ERDAS APOLLO is an enterprise-class, comprehensive data management, analysis, and delivery system enabling an organization to catalog, search, discover, process, and securely disseminate massive volumes of both file-based and web-enabled data. This solution consistently delivers virtually any digital object faster and with less hardware than competing server-based products. An interoperable OGC/ISO-based application that implements an out-of-the-box service-oriented architecture (SOA), ERDAS APOLLO is the solution for data management in the overall Hexagon Geospatial server story.

Available in three license tiers, ERDAS APOLLO suits a spectrum of organizations – integrating easily with other geospatial software and offering unparalleled performance even when handling massive data archives and many users.

## ERDAS APOLLO ESSENTIALS

ERDAS APOLLO Essentials license includes the fastest geospatial image and LIDAR server in the world. A single server with standard hardware can serve terabytes of data to thousands of concurrent users. ERDAS APOLLO Essentials works with your GIS to provide geospatial data as quickly as possible.

## ERDAS APOLLO ADVANTAGE

ERDAS APOLLO Advantage license includes a comprehensive data management and delivery solution providing remarkable business value. This OGC/ISO standards-based solution can organize, securely manage and disseminate data within databases and also massive volumes of dynamic and static images, point cloud data, terrain, vector data, third party web services, and any digital resource in the enterprise. ERDAS APOLLO Advantage license provides a scalable solution through clustering to meet an organization's specific needs, ensuring unprecedented performance even when handling the largest data archives.

## ERDAS APOLLO PROFESSIONAL

ERDAS APOLLO Professional license is the most advanced product tier of ERDAS APOLLO. It offers Clip, Zip and Ship of LAS-formatted point cloud data, and on-the-fly geoprocessing through a powerful implementation of the OGC Web Processing Service (WPS) specification. Users can run an entire model, such as change detection, site analysis, or elevation change, completely contained within a single web processing service (WPS). Also, leverage more geoprocessing capabilities coupled with enhanced performance through new RESTful based geoprocessing services that can be created to run synchronously and asynchronously. The ERDAS APOLLO Professional license tier is unrivalled in the complexity of algorithms stored under the hood.

## GEOCOMPRESSOR

GeoCompressor is a stand-alone, high performance geospatial image and point cloud compression application designed to simplify the creation of ECW, JPEG2000 and HPC formats.

## NEW TECHNOLOGY

### EXPERIENCE NEW ONLINE WORKFLOWS

Leverage more geoprocessing capabilities coupled with enhanced performance in ERDAS APOLLO. Integrating content management, analysis and data delivery via lightweight web services has never been so easy. Models can be created in ERDAS IMAGINE and transferred to the new geoprocessing RESTful services.

### CREATE VALUE-ADDED PRODUCTS ON DEMAND

Use ERDAS APOLLO to serve spatial models created in Producer Suite. Achieve workflow efficiencies by delivering advanced remote sensing calculations on-the-fly via OGC Web Services.

### REAL-TIME IMAGE ENHANCEMENTS

ERDAS IMAGINE ImageChain support lets you change ImageChain parameters from a thin web client, and also provides Defence SIPS compliance and automatic sensor georectification.

- ImageChains can be customized in IMAGINE and then transferred to APOLLO
- Highlight architectural differences when imagery is read via ImageChain (ie. eRaster).
- Modify an Imagechain, apply the ImageChain to a dataset and then use a basic web client to control the configurable parameters
- Switch controls have been added to allow all customer usage patterns to take advantage of the new ImageChain capability.

### ENHANCED SERVER LOGGING

Monitor the activity of your ERDAS APOLLO Server to show which users have accessed the system and any activities they have performed including query/access to data and metadata as well as any modifications to the metadata.

- ERDAS APOLLO Audit Logging capability can be enabled and disabled by the admin user
- Easily access and review the information contained within the logs.



## INCREMENTAL PERFORMANCE AND SECURITY IMPROVEMENTS

Many of the underlying platforms of ERDAS APOLLO have been upgraded to apply necessary security features as well as providing performance improvements. This includes updates to Java and integration LDAP within the configuration process.

## SYSTEM REQUIREMENTS

### ERDAS APOLLO

	ERDAS APOLLO Essentials	ERDAS APOLLO
Computer/ Processor	Intel ® or AMD quad-core processor with a clock speed of 2.0 GHz or higher	
Memory (RAM)	8 GB or higher	16 GB
Server Disk Space	~500 MB for application footprint	4 GB for application footprint
Spatial Data Storage	Minimum: 7200 RPM speed disk storage Recommended: High Speed Disk Storage, >15000 RPM, SSD, RAID Arrays, or External SAN/NAS <sup>1</sup>	
Network Backbone	100 MB or higher. 1 GB recommended	
Server Operating Systems	<ul style="list-style-type: none"> <li>• Windows Server® 2008 R2 Standard and Enterprise Edition (64-bit)</li> <li>• Windows Server 2012 &amp; 2012 R2 Standard and Enterprise Edition (64-bit)</li> <li>• Red Hat ® Enterprise Linux ® 6.x,7.x (64-bit)</li> <li>• CentOS 6.x, 7.x (64-bit)</li> </ul>	<ul style="list-style-type: none"> <li>• Windows Server 2008 R2 Standard and Enterprise Edition (64-bit)</li> <li>• Windows Server 2012 &amp; 2012 R2 Standard and Enterprise Edition (64-bit)</li> </ul>
Cloud Environments	Amazon Elastic Cloud Compute (EC2)	
Supplementary Operating Systems for Testing & Development	Windows 7 can be used for development purposes, but deployments must be done on supported Server Operating Systems listed above.	
Software	N/A	<ul style="list-style-type: none"> <li>• Microsoft®.NET Framework 4.5</li> <li>• JDK 1.7.0 (-33 or higher, 64-bit) and</li> </ul>

		Java Advanced Imaging 1.1.3 (both embedded in installer)
Minimum Client Software	<ul style="list-style-type: none"> <li>• Internet Explorer® versions 11.0 or higher</li> <li>• Firefox® 39.0 or higher</li> <li>• Google Chrome™ 49.0 or higher</li> <li>• Safari® 5.1.7 or higher</li> <li>• Java JRE v1.6 or higher (for administration console use)</li> <li>• EDGE 25.0 or higher</li> </ul>	
Licensing	Intergraph Common Licensing 11.13.2	
Application Servers	<ul style="list-style-type: none"> <li>• Microsoft® IIS 7 or higher (Windows)</li> <li>• Apache 2.4 or higher (Linux)</li> </ul>	<ul style="list-style-type: none"> <li>• Microsoft IIS 7 or higher</li> <li>• Tomcat 7.0.55 (embedded in installer)</li> </ul>
Databases	<ul style="list-style-type: none"> <li>• Oracle Database 11g, Standard or Enterprise Edition</li> <li>• Oracle Database 12c (12.1.0.1), Standard or Enterprise Edition</li> <li>• Microsoft SQL Server® 2012 R2 Express or Standard or Enterprise Edition (Express Edition should be used for testing &amp; development purposes only)</li> <li>• Microsoft SQL Server® 2014 Express or Standard or Enterprise Edition (Express Edition should be used for testing &amp; development purposes only)</li> <li>• PostgreSQL version 9.2 or higher (with PostGIS 2.0 extension)</li> <li>• SQLite (Core Only)</li> </ul>	
Admin Tools	ERDAS APOLLO Core Administration Console	<ul style="list-style-type: none"> <li>• ERDAS APOLLO Data Manager</li> <li>• ERDAS APOLLO Style Editor</li> </ul>
Compatible Client Applications	<ul style="list-style-type: none"> <li>• Geospatial Portal 2016</li> <li>• ERDAS APOLLO 2016 Catalog Web Client</li> <li>• GeoMedia® 2016</li> <li>• GeoMedia Viewer 2016</li> <li>• GeoMedia Professional 2016</li> <li>• ERDAS IMAGINE® 2016</li> <li>• Esri® ArcGIS® for Desktop plugin</li> <li>• ECWP-enabled applications</li> </ul>	



<b>Admin Tools Operating Systems</b>	<ul style="list-style-type: none"> <li>• OGC-compliant WMS, WMTS, WCS, WPS client applications</li> <li>• Windows 7 (32-bit and 64-bit)</li> <li>• Windows Server 2008 R2 Standard and Enterprise Edition (32-bit and 64-bit)</li> <li>• Windows 8 (64-bit)</li> <li>• Windows Server 2012 &amp; 2012 R2 Standard and Enterprise Edition (64-bit)</li> <li>• RHEL / CentOS v6.x, v7.x (Core only)</li> </ul>
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## SYSTEM REQUIREMENTS NOTES

Disk I/O remains the bottleneck for almost all deployments and needs to be carefully analysed for peak IOPS and latency.

## ISSUES RESOLVED

### ERDAS APOLLO ESSENTIALS

CR #	Summary	Description / How to Reproduce
1-66RF8H	The following CRS:1 example doesn't work.	The attached image has no projection, hence in WMS 1.3.0 it is given CRS:1. However, the resulting image from a GetMap request returns the wrong image. <a href="http://localhost/ecwp/ecw_wms.dll?version=1.3.0&amp;request=getMap&amp;service=wms&amp;layers=images_parramatta.wgs84.local.ecw&amp;crs=CRS:1&amp;bbox=-100,-100,2100,2100&amp;height=450&amp;width=450&amp;format=image/jpeg">http://localhost/ecwp/ecw_wms.dll?version=1.3.0&amp;request=getMap&amp;service=wms&amp;layers=images_parramatta.wgs84.local.ecw&amp;crs=CRS:1&amp;bbox=-100,-100,2100,2100&amp;height=450&amp;width=450&amp;format=image/jpeg</a> The image should be identical to a GetMap request to the parramatta image with the same parameters
1-7400ST	OTDF files created with PNG8 have no transparency	Transparency is lost when creating an OTDF file with PNG8 as the transparent tile. Tested by creating an OTDF file with PNG8 tiles for the sandiego1m_null.ecw image. <a href="http://ingrjira/browse/IW-1257">http://ingrjira/browse/IW-1257</a>
1-9AESCD	ImageX API slow to respond with specific world coordinates	When using the ImageX API and requesting an area which overlaps the top of the source image the server takes significantly longer to respond. Here is an example: 500ms 45kB - request area within bounds of source area <a href="http://dev.corescan.net.au/ecwp/ImageX.dll?image?service=hexagon&amp;layers=/swda173/JA0000_DH0000_mos-img-rgb-50u-ss.jp2&amp;errors=xml&amp;size=1000&amp;sizey=150&amp;fillcolor=000000&amp;transparent=false&amp;type=JPEG&amp;worldtlx=-0.43999557326250555&amp;worldtly=8.119&amp;worldbrx=0.43999557326250555&amp;worldbry=7.9870000000000001">http://dev.corescan.net.au/ecwp/ImageX.dll?image?service=hexagon&amp;layers=/swda173/JA0000_DH0000_mos-img-rgb-50u-ss.jp2&amp;errors=xml&amp;size=1000&amp;sizey=150&amp;fillcolor=000000&amp;transparent=false&amp;type=JPEG&amp;worldtlx=-0.43999557326250555&amp;worldtly=8.119&amp;worldbrx=0.43999557326250555&amp;worldbry=7.9870000000000001</a> 1500ms 26kB - request area starts above bounds of source area <a href="http://dev.corescan.net.au/ecwp/ImageX.dll?image?service=hexagon&amp;layers=/swda173/JA0000_DH0000_mos-img-rgb-50u-ss.jp2&amp;errors=xml&amp;size=1000&amp;sizey=150&amp;fillcolor=000000&amp;transparent=false&amp;type=JPEG&amp;worldtlx=-0.4532375740994072&amp;worldtly=8.1870000000000001&amp;worldbrx=0.4532375740994072&amp;worldbry=8.050999999999998">http://dev.corescan.net.au/ecwp/ImageX.dll?image?service=hexagon&amp;layers=/swda173/JA0000_DH0000_mos-img-rgb-50u-ss.jp2&amp;errors=xml&amp;size=1000&amp;sizey=150&amp;fillcolor=000000&amp;transparent=false&amp;type=JPEG&amp;worldtlx=-0.4532375740994072&amp;worldtly=8.1870000000000001&amp;worldbrx=0.4532375740994072&amp;worldbry=8.050999999999998</a> The DSInfo for this file is available here <a href="http://dev.corescan.net.au/ecwp/ImageX.dll?dsinfo?service=hexagon&amp;layers=/swda173/JA0000_DH0000_mos-img-rgb-50u-ss.jp2&amp;verbose=true">http://dev.corescan.net.au/ecwp/ImageX.dll?dsinfo?service=hexagon&amp;layers=/swda173/JA0000_DH0000_mos-img-rgb-50u-ss.jp2&amp;verbose=true</a> Some observations: The delay does not happen with all images. i.e. This image is fine <a href="http://dev.corescan.net.au/ecwp/ImageX.dll?image?service=hexagon&amp;layers=/swda173b/JA0017_WDU D740_mos-img-rgb-50u-ss.jp2&amp;errors=xml&amp;size=802&amp;sizey=750&amp;fillcolor=000000&amp;transparent=false&amp;type=JPEG&amp;worldtlx=-0.5085000000000001&amp;worldtly=9.384&amp;worldbrx=0.5085000000000001&amp;worldbry=8.4320000000000002">http://dev.corescan.net.au/ecwp/ImageX.dll?image?service=hexagon&amp;layers=/swda173b/JA0017_WDU D740_mos-img-rgb-50u-ss.jp2&amp;errors=xml&amp;size=802&amp;sizey=750&amp;fillcolor=000000&amp;transparent=false&amp;type=JPEG&amp;worldtlx=-0.5085000000000001&amp;worldtly=9.384&amp;worldbrx=0.5085000000000001&amp;worldbry=8.4320000000000002</a>

		<p><a href="http://dev.corescan.net.au/ecwp/ImageX.dll?image?service=hexagon&amp;layers=/swda173b/JA0017_WDU D740_mos-img-rgb-50u-ss.jp2&amp;errors=xml&amp;sizeX=802&amp;sizeY=750&amp;fillcolor=000000&amp;transparent=false&amp;type=JPEG&amp;worldtix=-0.5085000000000001&amp;worldtly=8.84&amp;worldbrx=0.5085000000000001&amp;worldbry=7.888">http://dev.corescan.net.au/ecwp/ImageX.dll?image?service=hexagon&amp;layers=/swda173b/JA0017_WDU D740_mos-img-rgb-50u-ss.jp2&amp;errors=xml&amp;sizeX=802&amp;sizeY=750&amp;fillcolor=000000&amp;transparent=false&amp;type=JPEG&amp;worldtix=-0.5085000000000001&amp;worldtly=8.84&amp;worldbrx=0.5085000000000001&amp;worldbry=7.888</a> We came across this error because image load times were &gt; 10s in production when there were 3-5 requests in parallel. During this time the CPU usage was 100%. I don't recall seeing this issue with ERDAS APOLLO 2011, so perhaps it is related to the RAW projection changes?</p>
1-B46G0K	ESRI Geoservices, virtual mosaic doesn't expose any layers.	I have included a word document with the problem description including screenshots. The problem has been discussed with Chris Tweedie. I'd like to stress that this is a very important issue to be fixed as it might cause us to lose out on a big sale over ArcGIS server! If you have any more questions please let me know.
1-B8LFH9	Authentication for WMTS using Simple Security not working properly	<p>It seems that the basic authentication for WMTS using Simple Security (Local system security based on Windows NTFS access rights) is not working as expected: - I created a new service in IWS - enabled WMS and WMTS - enabled Local Systems Security - access to WMS works as expected:</p> <p><a href="http://user:password@apollo.yourgeo.de/erdas-iws/ogc/wms/GeoInfoSim?REQUEST=GetMap&amp;SERVICE=WMS&amp;VERSION=1.1.1&amp;LAYERS=GeoInfoSim_brd_mosaik.ecw&amp;STYLES=&amp;FORMAT=image/png&amp;BGCOLOR=0xFFFFFFFF&amp;TRANSPARENT=TRUE&amp;SRS=EPSG:32632&amp;BBOX=-283620.794803695,5209318.65378753,1437867.68157044,6107937.71378753&amp;WIDTH=1659&amp;HEIGHT=866">http://user:password@apollo.yourgeo.de/erdas-iws/ogc/wms/GeoInfoSim?REQUEST=GetMap&amp;SERVICE=WMS&amp;VERSION=1.1.1&amp;LAYERS=GeoInfoSim_brd_mosaik.ecw&amp;STYLES=&amp;FORMAT=image/png&amp;BGCOLOR=0xFFFFFFFF&amp;TRANSPARENT=TRUE&amp;SRS=EPSG:32632&amp;BBOX=-283620.794803695,5209318.65378753,1437867.68157044,6107937.71378753&amp;WIDTH=1659&amp;HEIGHT=866</a> returns an image - the same using WMTS: <a href="http://user:password@apollo.yourgeo.de/erdas-iws/ogc/wmts/GeoInfoSim?SERVICE=WMTS&amp;request=gettile&amp;version=1.0.0&amp;TileMatrixSet=GoogleMapsCompatibleExt2:epsg:3857&amp;tileMatrix=6&amp;tileRow=21&amp;tileCol=33&amp;layer=GeoInfoSim_brd_mosaik.ecw&amp;format=image/png&amp;style=default">http://user:password@apollo.yourgeo.de/erdas-iws/ogc/wmts/GeoInfoSim?SERVICE=WMTS&amp;request=gettile&amp;version=1.0.0&amp;TileMatrixSet=GoogleMapsCompatibleExt2:epsg:3857&amp;tileMatrix=6&amp;tileRow=21&amp;tileCol=33&amp;layer=GeoInfoSim_brd_mosaik.ecw&amp;format=image/png&amp;style=default</a> returns: &lt;ExceptionText&gt;Unauthorised, please authenticate.&lt;/ExceptionText&gt; This is quite urgent since we need simple security for one running and two upcoming projects. Thanks for a quick fix.</p>
1-B9Y3DY	ECWP fails with ECW's produced with ERDAS Imagine	ERDAS APOLLO has been set up and is able to stream ECWP to the portal client. However, ECW's produced with ERDAS IMAGINE produce the following error in log and the ECW does not show/work in the portal client. From location NCS::IWS::CECWP3::ProcessOPENRequest : Attempting to open layer: /APOLLO-Catalog/ecw2/Haiti_0/Haiti.ecw YWRtaW46YXBvbGxvMTIz 2015-02-27 01:50:35:710 [35536] WARN com.erdas.iws.protocol.ecwp3 - Unable to open Dataset. Note, this has been verified by the Product Center who has asked to file a CR-E against ERDAS APOLLO Essentials. The issue appears to be an ERDAS IMAGINE problem of putting bad (NaN) stats in the file but ERDAS APOLLO should detect it and ignore NaN stats in the Browser plugin.
1-BAYE6I	WMS - STYLE= is not accepted for more layers	I have wms request with STYLES=&LAYERS=ORTO_brou45.ecw,ORTO_cbud00-04.ecw,ORTO_cbud00-04_32633.ecw the service does not accept Styles= without commas. It accept only Styles=, I think it is bug in ERDAS APOLLO Essentials, since it should respect styles= (without commas) as default style for all layers. This is ERDAS APOLLO Essentials without SDI. Part of ERDAS APOLLO Professional installation. My entire WMS request is: <a href="http://promo.geo-portal.cz/erdas-iws/ogc/wms/ORTO?LAYERS=ORTO_brou45.ecw,ORTO_cbud00-04.ecw,ORTO_cbud00-04_32633.ecw&amp;TRANSPARENT=TRUE&amp;FORMAT=image/jpeg&amp;VERSION=1.3.0&amp;EXCEPTIONS=XML&amp;SERVICE=WMS&amp;REQUEST=GetMap&amp;STYLES=&amp;CRS=EPSG:5514&amp;_OLSALT=0.6701973253881659&amp;BBOX=-1639147.673775,-1295599.8980232,309772.8604805,-864440.91487999&amp;WIDTH=1903&amp;HEIGHT=421">http://promo.geo-portal.cz/erdas-iws/ogc/wms/ORTO?LAYERS=ORTO_brou45.ecw,ORTO_cbud00-04.ecw,ORTO_cbud00-04_32633.ecw&amp;TRANSPARENT=TRUE&amp;FORMAT=image/jpeg&amp;VERSION=1.3.0&amp;EXCEPTIONS=XML&amp;SERVICE=WMS&amp;REQUEST=GetMap&amp;STYLES=&amp;CRS=EPSG:5514&amp;_OLSALT=0.6701973253881659&amp;BBOX=-1639147.673775,-1295599.8980232,309772.8604805,-864440.91487999&amp;WIDTH=1903&amp;HEIGHT=421</a>
1-BDHBDF	Corrupt ECWs causing Server to crash randomly and intermittently when using Virtual Mosaic Option	<ol style="list-style-type: none"> <li>Two folders were added to the service. Each folder contained a single image. Each of those images had the transparency set using ERDAS IMAGINE.</li> <li>The added images, however, seemed to have five channels instead of the desired four, including the opacity channel.</li> <li>ERDAS APOLLO did not recognise the opacity channel automatically. It was named "AllOpacity", and was the last channel. (We are still in the process of trying to get these images from our production team in a form that ERDAS APOLLO can identify the opacity channel automatically.)</li> </ol>



		<p>4. The base layer virtual mosaic consists of images with four channels (R,G,B and Opacity)</p> <p>5. The service was tested using ArcMap 10.2 and did not crash. The two added folders were not configured as virtual mosaics at this points.</p> <p>6. After that first round of testing using ArcMap, we turned on virtual mosaic on the two added folders, each of which contained a single image.</p> <p>7. Immediately upon testing this configuration using ArcMap 10.2, a FATAL crash was recorded in the log file of IWS.</p>
1-BFC5IM	statistics are not generated for ECWP	<p>My general issue: I want to store statistics for ECWP usage anyhow. I don't see either possibilities how to do it now beside statistics generation in ERDAS APOLLO Essentials. (for WMS, WMTS we use SDI log pipe). I switched on the statistics in the ERDAS APOLLO Essentials admin console GUI. ImageX statistics were generated, but ecwp statistics were not generated, although I open ecwp streams in erViewer. There was no ECWP/JPIP activity in the separate activity tab in the ERDAS APOLLO Essentials admin console GUI during this operation. The Open files tab show new open files during this work. Do you need to set anything special for storing basin statistics about ECWP?</p>
1-BJQT7W	"Object reference not set to an instance of an object" during Apollo 2015 adv installation	<p>During installation ERDAS APOLLO Advantage 2015, on the final stage of installation, I get this "Error: Object reference not set to an instance of an object". In the log file you can find an error description like this: FATAL Intergraph.Configuration.ConfigurationActionExecutor - Action type Intergraph.IWS.Configuration.Actions.IWSConfigurationAction threw exception System.NullReferenceException: Object reference not set to an instance of an object. at Intergraph.IWS.Configuration.Actions.IWSBaseAction.GetBaseUrl(IWOptions options) at Intergraph.IWS.Configuration.Actions.IWSConfigurationAction.&lt;&gt;c__DisplayClass2d.&lt;Execute&gt;b__1c() at Intergraph.Configuration.ActionBase.Run(Action action, CancellationToken token) at Intergraph.IWS.Configuration.Actions.IWSConfigurationAction.Execute(CancellationToken token) at Intergraph.Configuration.ActionExecutor.ExecuteInternal(CancellationToken token) ----- This SR raised by Poland has an actual root cause in the ERDAS APOLLO Essentials post-install configuration steps and is only seen when IIS has numerous Site Bindings where HTTP is not first on the list. We have a fix so no need to reproduce, just open a CR please on ERDAS APOLLO Essentials (although that might get confusing for the customer) so it will flow through to the next EP's</p>
1-BUNODP	multiple typos of 'successfully' @ configure wizard	<p>multiple typos of 'successfully' in the configure wizard spell it as 'succesfully', missing letter s. see attached screen copies.</p>
1-BYCGF6	GetCapabilities call fails intermittently for no apparent reason.	<p>Since about last Thursday, and until yesterday, we had DEBUG logging enabled, so the log sizes are quite large. Logs are here <a href="#">\au-wlv\Pepper\Customers\AAM</a>. The app pool does not shut down. It is only the GetCapabilities call that appears to be affected. The GetCapabilities document is not corrupted; it is just not returned. "Unable to get capabilities for service" is a typical message that a client would see. It does not seem to be limited to one service, but the Bowen Basin service seems to be the only one affected in the last couple of weeks, if I recall. We have had the same issue with other services in the past. We are getting some errors in the log, like the following examples, which we have not had a chance to follow up on yet. They appear to be unrelated, however.</p>
1-C714MT	[cz]Hlášení problému - rozdílné BBOXy u systémů se stejnou definicí [en] diff. bbox for ident. CRSs	<p>[cz]Systémy EPSG 5514 a 102067 mají stejnou definici, v capabilities se však pro stejnou službu u každého zobrazí rozdílný BBOX. [en] there are different BBOXes in wmts capabilities tilematrixdefinitions for identical CRSs. see attached report and configuration please. Please review attached Word doc detailing the problem.</p>

1-C9HW0X	switched axes order for local bbox in tilematrixset	I think, there is switched axes order in tilematrixset - bbox,for <ShowLocalBBBox>true</ShowLocalBBBox> see attached report please
1-CIMO92	WMS version request 1.1.0 gives blank result, should give error similar to version 1.0.0.	Our customer is getting a lot of complaints about ERDAS APOLLO giving blank WMS results when using WMS version 1.1.0. This version is not officially supported but they expect ERDAS APOLLO to reply with an error the same as you get when you request a version 1.0.0, not a blank image. This is a low priority error as the end users should use WMS 1.1.1 or 1.3 which work just fine but the customer is getting so many calls about this error that they would like to see this fixed in a future ERDAS APOLLO Essentials release. So in short could you please make a CR for this problem, in which you create an error reply for WMS 1.1.0 request instead of a blank image?
1-EF1Z4B	header - Cache-control (max-age), Expires in SDI components WMTS	The problem description is about Header information: Cache-Control and Expires in SDI components WMTS. The ERDAS APOLLO Essentials provide Cache-Control: "max-age=86400" and Expires: one day. These values are for default settings and react to the settings in ERDAS APOLLO Essentials console. That it correct. When I use SDI components for WMTS there is only Cache-Control: "public,max-age=30" and I'm not able to change it to another value (I can only add any value to this string). There is no Expires value. Why the max-age and expires is not preserved from the source, how to configure it? We need longer max-age then 30 seconds. Many thanks This is URL to only ERDAS APOLLO Essentials service <a href="http://pra-sgiv-esx612/erdas-iws/ogc/wmts/orto?SERVICE=WMTS&amp;REQUEST=GetTile&amp;VERSION=1.0.0&amp;LAYER=orto&amp;STYLE=default&amp;TILEMATRIXSET=JTSK%3Aeps%3A5514&amp;TILEMATRIX=4&amp;TILEROW=3&amp;TILECOL=5&amp;FORMAT=image%2Fjpeg">http://pra-sgiv-esx612/erdas-iws/ogc/wmts/orto?SERVICE=WMTS&amp;REQUEST=GetTile&amp;VERSION=1.0.0&amp;LAYER=orto&amp;STYLE=default&amp;TILEMATRIXSET=JTSK%3Aeps%3A5514&amp;TILEMATRIX=4&amp;TILEROW=3&amp;TILECOL=5&amp;FORMAT=image%2Fjpeg</a> this is lint to the apollo ess+SDI components: <a href="http://pra-sgiv-esx612.ingrnet.com/WMTS_ORTO/service.svc/get?SERVICE=WMTS&amp;REQUEST=GetTile&amp;VERSION=1.0.0&amp;LAYER=orto&amp;STYLE=default&amp;TILEMATRIXSET=JTSK%3Aeps%3A5514&amp;TILEMATRIX=4&amp;TILEROW=3&amp;TILECOL=7&amp;FORMAT=image%2Fjpeg">http://pra-sgiv-esx612.ingrnet.com/WMTS_ORTO/service.svc/get?SERVICE=WMTS&amp;REQUEST=GetTile&amp;VERSION=1.0.0&amp;LAYER=orto&amp;STYLE=default&amp;TILEMATRIXSET=JTSK%3Aeps%3A5514&amp;TILEMATRIX=4&amp;TILEROW=3&amp;TILECOL=7&amp;FORMAT=image%2Fjpeg</a> Jan
1-GE4QRT	ECW Header Editor is unable to write Header information to ECW Files	Customer reported that ECW Header Editor is unable to write Header information to ECW Files. The customer is using the ECW Header Editor (latest version with patch 3).
1-JST5S0	ApplyToAll Style modifies bandlist even when not explicitly set.	When applying styles to all datasets bandlists should only modified if the user makes a change to them, however, they currently always get applied which generally screws up your RGB datasets or raises errors for your greyscale images:
1-K4PO8O	Apollo essentials fails to convert .las files. Only footprint is displayed in the Data Manager.	Apollo essentials fails to convert .las files to .hpc. Only the footprint is viewed in the ERDAS APOLLO Data Manager. Same .las files display OK in ERDAS IMAGINE. Error message and files are in \\ca-hc-ssorokos\Customer Files2\1-1206054171.
1-L1TKHT	Failed to add .tif as folder in Apollo essential admin console	Data \\alpha\JIRA_data\1-L1TKHT [How to repeat] [1] From ERDAS APOLLO 2015 EP05 adv/pro, [launch ERDAS APOLLO Essentials admin console [2] Add the .tif folder under default service [What was expected to happen] The tif should be added into ERDAS APOLLO Essentials service [What did happen] Got "Failed opening path xxxxxx" See attached screen copy: Apollo_essential_TIFF.JPG NOTE: [1] Apollo adv/pro can crawl and render the same image without any issue. See screen copy: Apollo_essential_TIFF_2.JPG this must be data-specific issue, no issue with example TIFF. [2] ERDAS APOLLO adv/pro 2015 GM doesn't have this issue, ERDAS APOLLO Essentials can handle this same .TIFF just fine. See attached screen copy: Apollo_essential_TIFF_3_APOLLO2015GM.JPG Here is the essential log: 2016-05-05 09:00:40:603 [41816] ERROR com.erdas.iws.config - CServerDatastore::CPhysicalSubFile::UpdateFromErMapper :: C:\Work\Data\Apollo_essential_service_Fail\Plan Zagospodarowania Przestrzennego.tif has unsupported transformation model. 2016-05-05 09:00:40:604 [41816] ERROR com.erdas.iws.config -

CServerDatastore::GetPhysicalFile::Init :: failed UpdateFromPhysicalFile of physical file 'C:\Work\Data\Apollo\_essential\_service\_Fail\Plan Zagospodarowania Przestrzennego.tif'. 2016-05-05 09:00:40:605 [41816] ERROR com.erdas.iws.config - CServerDatastore::GetPhysicalFile :: failed Init of physical file 'C:\Work\Data\Apollo\_essential\_service\_Fail\Plan Zagospodarowania Przestrzennego.tif'

## ERDAS APOLLO

CR #	Summary -	Description / How to Reproduce
1-7KBOOI	WFS versions and GML Schema incorrect in ERDAS APOLLO for vector when re-creating "Generated mapping"	<p>[How to repeat]</p> <ol style="list-style-type: none"> <li>1 - using ERDAS APOLLO example shapefile @ C:/Intergraph/ERDAS APOLLO/data/erdas-apollo/shapes/worldwide/</li> <li>2 - Create WFS service using WFS 1.1, GML 3.1.1 (or using use WFS 1.2, GML 3.2), check the WFS getcapabilities request, you can see it is &lt;ogcwf:WFS_Capabilities version="1.1.0"</li> <li>3 - Edit the Worldwide vector provider.</li> <li>4 - Go to Data Source -&gt; Create Generated mapping, click that.</li> <li>5 - Select the same WFS 1.1 and continue process</li> <li>6 - Save the Worldwide service, so that it registers in catalog.</li> <li>7 - Flush / restart the service</li> <li>8 - Check the WFS getcapabilities, and you will find it is &lt;WFS_Capabilities version="1.0.0"</li> </ol> <p>[What was expected to happen] the WFS Capabilities version should still be 1.1.0</p> <p>[What did happen] the WFS Capabilities version change to 1.0.0</p>
1-94MS2S	CZS: LAS to LAS don't preserve the dataset name in the zip file	Make sure you have las data crawled \\alpha\array2\lidar open portal select las data set add to CZS enter email address and select las as output click submit open zip file from inbox I see a file "LIDAR_provisioning.las", it is not preserving the dataset selected Note: it preserve dataset name in the output when we run the same workflow for non LAS data
1-98FKTK	Img images with a data type of Float do not display In ERDAS APOLLO	When using ERDAS APOLLO Advantage/ Professional 14.1 Img images with a "data type" of "Float" do not display in the data manager, only the extents box is displayed I have attached a small sample image This image type and the attached image displays properly in ERDAS APOLLO Essentials
1-9BZYSD	Wrong ecwp url in portal when there are duplicate names	If user crawled two ECW with the same name (even they are in different aggregates), the portal ecwp URL will mess up. For example, if you crawled test1/a.ecw test2/a.ecw Basically portal will only use following ecwp: ecwp://<server>/test1/a.ecw ecwp://<server>/test2/a.ecw But the ecwp for second ecw should be ecwp://<server>/test2/a_0.ecw, since a_0.ecw is the unique name. because of this you cannot add image as ECWP. Another test case ROOT  _testecw  _testecw.ecw ecwp://APOLLO/APOLLO-Catalog/testecw/testecw.ecw <- URL from Portal, not correct ecwp://APOLLO/APOLLO-Catalog/testecw/testecw_0.ecw <- URL from Essential admin console, correct
1-9CXLBV	Wrong BBOX from WFS GetCapabilities	[How to repeat] Create WFS service using ERDAS APOLLO data manager (Oracle provider). Using geomedia 2014.2 to export shp file to Oracle. Add WFS to map in ERDAS APOLLO Data Manager

	(oracle provider)	and in portal [What was expected to happen] ERDAS APOLLO Data Manager and portal should render the WFS [What did happen] ERDAS APOLLO Data Manager and portal show the empty bbox with the whole world. NOTE: Check GetCapabilities, and the bbox is the whole world. <EX_GeographicBoundingBox><westBoundLongitude>-180.0</westBoundLongitude><eastBoundLongitude>180.0</eastBoundLongitude><southBoundLatitude>-90.0</southBoundLatitude><northBoundLatitude>90.0</northBoundLatitude></EX_GeographicBoundingBox> If connect the same Oracle table in GeoMedia, GeoMedia will render the polygons without any issue, the bbox is in the right location.
1-9U5LRX	Error crawling shapefile with missing M values	data = \\alpha\JIRA_data\1-9U5LRX [How to repeat] [1] Add EPSG 2157 using EPSG registry tool, manually add WTK (replace " with &quot;) to C:\Program Files\Common Files\Intergraph\Common\CSFStore\CSFStore.config recycle all application pools and restart IIS. [2] Crawl JIRA folder (2 files: 1 img and 1 shp, both in 2157) [What was expected to happen] Both img and shp should be crawled [What did happen] Only img is crawled, shp file is rejected. Unable to decode file D:\work\data\output\2157_shp_reproject_imaginedtm-100m_interval.shp: com.erdas.apollo.exception.ApolloException: Unable to decode file D:\work\data\output\2157_shp_reproject_imaginedtm-100m_interval.shp at com.erdas.apollo.dmbi.decoder.FileHandler.handle(FileHandler.java:158) [dmbi-core.jar:] at com.erdas.apollo.dmbi.decoder.VectorFileHandler.handle(VectorFileHandler.java:71) [dmbi-core.jar:] at com.erdas.apollo.dmbi.decoder.VectorFileHandler.handle(VectorFileHandler.java:28) [dmbi-core.jar:] at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method) [rt.jar:1.6.0_34] at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:39) [rt.jar:1.6.0_34] at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:25) [rt.jar:1.6.0_34] at java.lang.reflect.Method.invoke(Method.java:597) [rt.jar:1.6.0_34]
1-9YQRUR	ERDAS APOLLO failed to render raster image with name in Chinese character	[How to repeat] \\alpha\JIRA_data\1-9YQRUR  [1]Change system locale to Chinese: Region and Language->Administrative->Change system Locale... choose "Chinese (Simplified, PRC)" from the dropdown list, and restart computer.  [2]Crawl CR img  [What was expected to happen] ERDAS APOLLO should be able to crawl and render the image in DM and portal [What did happen] ERDAS APOLLO can crawl this ECW with error (Task RegisterDatasetWithTWTTask failed) , but no render in both ERDAS APOLLO Data Manager and portal. See attached screen copy. If crawl img with Chinese name, there is no error with crawling job, but no render in both ERDAS APOLLO Data Manager and portal. This is not regression, since ERDAS APOLLO 2013 cannot even crawl this file. After change the locale) After change locale to Chinese, ERDAS IMAGINE can render this image without any issue. See attached screen copy NOTE: tested in ERDAS APOLLO 15 beta, same problem. ERDAS APOLLO can crawl this ECW with error (Task RegisterDatasetWithTWTTask failed) , but no render in both DM and portal.
1-AA2JWM	Cannot cancel database VDM crawl job	When crawling a vector database, clicking the cancel button has no effect.
1-AA0KIJ	DB VDM crawling: DB connections didn't show up for ERDAS APOLLO Data Manager user	Crawled DB VDM Oracle data. Crawler is done successfully. In explorer view, existing DB connections are not visible under "database connections" node when I log in back as admin/apollo123 I see 3 connections of same name under "database connections" node though I created only one connection as ERDAS APOLLO Data Manager.
1-AA0KJ9	Database VDM :Update properties gives an error message for "DM"user	Logged in as dm/apollo123 user crawled DB VDB Hostname: brunswickdevdb Port: 1521 User: cherokee Password: apollo SID: APODEV11 Update "abstract" say "qatest" of any dataset click save button ERDAS APOLLO Data Manager gives me an error message(please see screen shot) Note: No issue with admin/apollo123 user

1-AA0KJY	Configuration=> DB connections info is missing when login as different user	Logged in to ERDAS APOLLO Data Manager as admin/apollo123 Crawled ERDAS APOLLO Data Manager crawling data from oracle DB Data crawled successfully Created "Data base connections" info under Configuration node in explorer view Log out and log in as dm/apollo123 "Data base connections" info is MISSING under Configuration node in explorer view.
1-AEKC1K	failed to crawl JPG	Data:\alpha\JIRA_data\1-AEKC1K [How to repeat] [1]crawl JIRA folder [2]refresh the Jobs list, get error 'Loading Children' (see attached screen copy). Log file is attached [What was expected to happen] JPG should be crawled without any issue [What did happen] ERDAS APOLLO failed to crawl JPGs NOTE: no issue with 14.1
1-AZW9E0	ERDAS APOLLO installation creating huge crash dump files on server	JBOSS keep creating huge dump file @ C:\Program Files\Hexagon\ERDAS APOLLO\jboss\bin for example: hs_err_pid2220.mdmp 286MB see attached screen copy. NOTE: Customer has to make a decision whether to proceed or not with the software in next few days. They are threatening to pull out if this cannot be resolved. Dump file \alpha\JIRA_data\1-AZW9E0\DumpFiles_Qu
1-B0G9J4	Duplicate catalog items when image extension changed from lower case to upper case	[How to repeat] [1] Crawl image with lower case extension, for example: test.img [2] when crawling job finished, change the extension to upper case: test.IMG, and crawl it again [What was expected to happen] ERDAS APOLLO should update the catalog [What did happen] there are two items in the catalog: test.img and test.IMG see attached screen copy.
1-B4YY8S	Shift with in ESPG:3398	Data:\alpha\JIRA_data\1-B4YY8S [How to repeat] Crawl JIRA folder: raster image@ EPSG 3398, EPSG_5650 shapefile @ EPSG 3398, EPSG_5650 Add EPSG 5650 image and shp to map in ERDAS APOLLO DM (or Portal) [What was expected to happen] The image and shp @ EPSG 3398 should align with the base map just like image and shp @ EPSG 5650 [What did happen] image and shp @ EPSG 5650 align with base map, but image and shp @ 3398 doesn't. See screen copy shp3398_DM.PNG & img_DM_.png NOTE: Also add image and shp @ EPSG 3398 in IMAGINE viewer and turn on open street basemap, there is no shift. (see screen copy img_imagine_.png)
1-BAYFF1	Browsing an aggregate's datasets in the Dataset view with around 20k datasets is very slow	Browsing an aggregate's datasets in the Dataset view with around 20k datasets is very slow
1-BAYFIJ	Selecting and deleting datasets in the Dataset view in an aggregate containing 20k is very slow	Selecting and deleting datasets in the Dataset view in an aggregate containing 20k is very slow
1-BB0KKC	ISO Metadata Copy Failure	State of New Mexico is unable to ingest data with accompanying ISO metadata into the ERDAS APOLLO Catalog. The data (raster and vector) ingest fine but the metadata is not coming through and when customer review ISO in DM or in Portal it is our default metadata that displays. John had a partial workaround that would bring in some of their data but not all. Customer does not want nor has the time to recreate all the metadata they have created to ingest into ERDAS APOLLO.

1-BC478T	Download Limitation	Customer wants to be able to download original files larger than 4Gb. When attempting, even though size limit in ERDAS APOLLO Data Manager is set and saved at 20Gb, user cannot download original file greater 4096Mb. ERDAS APOLLO also needs to implement the BIG GeoTIFF format so we are not limited to the standard GeoTIFF limit of 4Gb.
1-BCBHNN	DB VDM recurring crawling: Reuse existing aggregate name for subsequent crawling	After discussions with QA, the story requires Database VDM to recrawl into the same aggregate instead of creating a new aggregate on each crawl. This change will allow Database VDM to behave exactly like file based crawling/recrawling. ----- I did recurring crawling on oracle data base VDB crawler. I heard the data crawled into new aggregate. But the new aggregate name didn't really convey the proper name. If you have multi recurring crawler jobs from different DB source, user simply confuse what all these aggregates belongs to which VDB crawler, unless he looks at properties view. Nice to have aggregate create with subscript like "oratest_0", "Oratest_1" etc... Please see attached snapshot.
1-BCBQAB	Update Browser Plug-In	The current 15.0 browser plug-in is 213... a new plugin (242) is now available and is being distributed from the WebGIS Demo pages, the ERDAS APOLLO Demo servers and from the product download pages. The EA 15.1 release needs to include this new version. According to Insert Coin it is not part of the ERDAS APOLLO Essentials build so Helios needs to implement the changes.
1-BCCAQB	Update ERDAS APOLLO 2015 to support LDAP authentication	Some changes are needed to support LDAP authentication in APOLLO 2015. # Update staticconfig.properties in config-core.jar or externalize the value to database. # Update documentation and modify code as needed to support LDAP when using Tomcat application server.
1-BCD1KQ	Regression: DM didn't show up "alias system role" in properties view until you click on the property	Open ERDAS APOLLO Data Manager and log in as "admin/apollo123" Go to configuration Right click on "roles" select create role enter role say "qarole" click OK go to properties view assign "esp_administrator" role save. Log out and log in as "admin/apollo123" select role that was created before in the properties, "alias system role" is blank though we assigned "esp_admin" role at the time of creation. It shows up the system role once click on the property. This is regression from 2014.
1-BCD27N	Welcome Page Issues	General Issues: ECWP PLUGIN download area mentions "UDS" files. Should be "HPC". DOCUMENTATION page: "ERDAS APOLLO Administration Guide" links to "ERDAS APOLLO Administrator Guide". "ERDAS APOLLO Data Manager User Guide" links to "ERDAS APOLLO Data Manager Help". EXAMPLES page: First sample shows Intergraph Geospatial Portal but the word "Intergraph" should not be there - need to use the official name for Portal. IE 11 specific issues: Catalog Web Interface page: Under the Publish option the "Select resource type" pull down is empty. Looks OK in both Chrome and FireFox.
1-BCDE13	GetMap requests fail for point clouds with unknown SRS	The ImageXRasterCoverageDecoder fails to complete GetMap requests when generating the thumbnail or add to map for point cloud files that do not have a known SRS. The problem looks like it can be resolved by passing the aggregate's SRS when registering in ERDAS APOLLO Essentials or possibly embedding it in the generated HPC. Example dataset can be found at \\sgibkp\Apollo\StHelens.
1-BCDOQ9	VDM crawling: Can't use existing connection to crawl data into different aggregate as DM user	Main line APOLLO 16 Logged in as admin/apollo123 Crawled the following Oracle data as VDB HOST/PORT/USER/PWD/SID/SERVICE/SRS/GM METADATA /DESCRIPTION TSDB64VM/1521/OM_ALABAMA/OM_ALABAMA/TSDB64 Crawler successful Log out and log in as dm/apollo123 Use the existing connection to crawl data into different aggregate Ran into an exception:
1-BDG3QH	URL Case change in	In the following location there are files that contain URL's: C:\Program Files\Hexagon\ERDAS APOLLO\config\erdas-apollo\metadata\templates there is a URL:

	metadata templates	<p><a href="http://standards.iso.org/ittf/PubliclyAvailableStandards/ISO_19139_Schemas/resources/Codelist/ML_gmx/Codelist.xml#CI_RoleCode">http://standards.iso.org/ittf/PubliclyAvailableStandards/ISO_19139_Schemas/resources/Codelist/ML_gmx/Codelist.xml#CI_RoleCode</a> This URL does not work; it returns a 404 error. Changing "/Codelist/" to "/codelist/" (lowercase) corrects this issue. This URL and others similar, but still containing the "Codelist" needs to be modified to the correct case. These URL's are found in the following files: mdTemplAggregate.xml mdTemplDataset.Copy mdTemplDataset.xml mdTemplPointCloudDataset.xml mdTemplVectorDataset.xml The mdTemplAggregate and mdTemplDataset files are also found in: C:\Program Files\Hexagon\ERDAS APOLLO\config\erdas-apollo\providers\coverage And also need to be corrected.</p>
1-BMNQIU	Missing "Geospatial Portal" in Configure subcomponents for the cluster @ install & config guide	The 2015 install and config guide doesn't have the chapter "Geospatial Portal" under "Configuring ERDAS APOLLO in a Cluster->Configure Subcomponents for the Cluster". See attached screen copy for 2014 install guide Page 47-48
1-BNW5NC	Extraneous queries on CATALOG ITEM providerco0 table being made and logged.	Customer reports many (286) of these queries being logged in a short amount of time (5 minutes). These should be eliminated if they aren't needed.
1-BPEZDX	Config Wizard wipes out config files	I needed to re-run the Configuration Wizard to update my password information on one of my servers. I was using this server to create my Training courses for HxGN and overall. The Config Wizard completely wiped out all changes I made to Metadata Templates and the eaim_md.xml as well as all GetCap information. This includes all the modified information in the providers.fac file and the Portal ApolloCatalogWMS and ApolloCatalogWMSPublic services. I could find nowhere in our documentation to back up these particular files or any warning that these files would be changed. I told the Config Wiz to "leave" the Admin Console site/config alone when asked... but that did not work it seems. This occurred on two of my servers... I will manually update the password on the other servers. Need a safer way to do something simple such as update a service password without wiping out a lot of work.
1-BU91AE	WMTS and ECWP failing for aggregates and datasets with Chinese characters	WMTS and ECWP failing for aggregates and datasets with Chinese characters
1-C30MUJ	Decoder Error Vanilla Install	Customer got errors while crawling and serving up via WMS (fresh installed ERDAS APOLLO 2015). Error reading DSImageInfo Problem signature: P1: w3wp.exe P2: 7.5.7600.16385 P3: 4a5bd0eb P4: Intergraph.CoordSystems Portal team has accessed the system and found the following: >> The SEH exception indicates that there was some exception thrown >> from the native code of CCS and didn't map well with .NET exceptions. NOTE from management: It's a hardware setting on the CPU. I am not sure we can set the instruction set. There is a fix as a workaround to ignore a certain instruction set on the CPU at runtime so that the software works even if that instruction set is not available. Basically it's a bug in Microsoft core DLLs and they plan to fix it in Visual Studio 2015. So the only solution for released software is the workaround fix we have currently and that fix was recommended by MSFT on their website. I think that for SR we just have to say there is a fix and we will roll into a SP or as an engineering fix later in the year.
1-C532WL	Unable to utilize HPC streaming in Adv/Pro	While ERDAS APOLLO Essentials will allow HPC streaming via the ecwp URL, a manager is unable to turn on ECWP streaming in ERDAS APOLLO Data Manager for HPC files. It returns an error that only ECW files can use ECWP streaming. DM should allow for the streaming of HPC via ECWP and also provide the ECWP link in portal which it does not.
1-C7GF5M	Cannot re-crawl updated database to	Let's say I have a database with tables A and B, crawl the database and place it in an aggregate named Assets. Later on I add table C to the database. Try to crawl the same database [What was

	existing aggregate	expected to happen] ERDAS APOLLO database crawler should be able the crawl the same DB to existing aggregate with updated tables. [What did happen] ERDAS APOLLO database crawler give the following error when use the same aggregate name. An aggregate already exists by that name
1-CJSJQH	shape file crawling problem (attribute column names encoding issue)	Data: \\alpha\JIRA_data\1-CJSJQH [How to repeat] crawl shape file @ JIRA folder [What was expected to happen] ERDAS APOLLO should crawl this file. [What did happen] ERDAS APOLLO failed to crawl this shp file. Unable to decode file C:\work\Apollo_data\SHp_Attribute_Issue\original\org2013-etrs.shp com.erdas.apollo.exception.ApolloException: Error with CGP Decoding Service, Error message ={"Message":"An error has occurred.", "ExceptionMessage":"An item with the same key has already been added.", "ExceptionType":"System.ArgumentException", "StackTrace":" at System.Collections.Generic.Dictionary`2.Insert(TKey key, TValue value, Boolean add)\r\n at Intergraph.Geoprocessing.dBaseHeader..ctor(ShapefileReader dBaseStream, Int32 ServeNumericWidthAsInt16, Int32 ServeNumericWidthAsInt32, Int32 ServeNumericWidthAsSingle, Encoding textEncoding)\r\n at Intergraph.Geoprocessing.ShapefileMetadata.Open(String shapefilePath, Int32 serveNumericWidthAsInt16, Int32 serveNumericWidthAsInt32, Int32 serveNumericWidthAsSingle, Encoding textEncoding)\r\n at Intergraph.Geoprocessing.ShapefileMetadata..ctor(String shapefilePath, String prjFilePath, Int32 serveNumericWidthAsInt16, Int32 serveNumericWidthAsInt32, Int32 serveNumericWidthAsSingle, Encoding textEncoding)\r\n at .... NOTE: this file can be opened/rendered in ERDAS IMAGINE, and attribute table can also be opened. Customer thinks this is encoding issue with attribute table.
1-CO7RXO	ISO Metadata menu option produces "Invalid request"	[How to repeat] - Assign read permission to * for one aggregate (apply to children) - Browse to <a href="http://localhost/apollo-portal/ApolloPro.aspx">http://localhost/apollo-portal/ApolloPro.aspx</a> - Do NOT log in via authentication tab - Browse catalog and select that aggregate - Select an image from the aggregate. - Click Metadata -> ISO Metadata [What was expected to happen] Portal should populate the ISO metadata [What did happen] Get "invalid request", see attached screen copy NOTE: If you log in via the Authentication tab, you will see the metadata.
1-CXJCEV	Scroll bar in "Batch Update" dialog missing	In a project we have datasets with a long list of queryables. In the dialog box "batch update" (for aggregates) the list is longer than the maximum window size (screen height). There is no scroll bar in the dialog window Screenshot is SR 1-780781841
1-D7SL75	Incorrect Build Number in About box	I noticed that in DM Build 505, the About Box would display Build 504 instead of the correct 505.... in this recent Update to Build 3000 the About Box in DM now Displays "Version 15.00.0000 Build 2 It seems we are going backwards with our build numbers. Correct version does display in the Control Panel > Programs > Programs and Features dialog in Windows.
1-EMSSKH	ERDAS APOLLO WMS doesn't handle SLD according to OGC specification	If any service has more than one layer and the SLD file contains the styles for some of the layers and not all, then the styling is applied for only those layers for which there is style information present in the SLD. For layers not having any style information in the SLD, they are not shown on the map even though they are listed in the layer-list. Service URL: <a href="http://122.160.226.228/erdas-apollo/vector/WORLDWIDE">http://122.160.226.228/erdas-apollo/vector/WORLDWIDE</a> . SLD Url: <a href="http://122.160.226.228/erdas-apollo/worldwide.xml">http://122.160.226.228/erdas-apollo/worldwide.xml</a> The sample SLD file has style information only for the two layers a. cntry98gen02 b. cities ===== SLD OGC documents "OGC 02-0170" (Version 1.0.0, section 6.4) and "OGC 05-078r4" (Version 1.1.0, section 9.2.2) that: "When an SLD is used as a style library, the STYLES CGI parameter is interpreted in the usual way in the GetMap request, except that the handling of the style names is organized so that the styles defined in the SLD take precedence over the named styles stored within the map server. The user-defined SLD styles can be given names and they can be marked as being the default style for a layer. To be more specific, if a style named "CenterLine" is referenced for a layer and a style with that name is defined for the corresponding layer in the SLD, then the SLD style definition is used. Otherwise, the standard named-style mechanism built into the map server is used. If the use of a default style is specified and a style is marked as being the default for the corresponding layer in the SLD, then the default style from the SLD is used; otherwise, the standard default style in the map server is used."



1-EOC2E7	ERDAS APOLLO delete user's .HPC file along with the .LAS	How to repeat] [1] Crawl user folder with A.las and A.HPC Use either default crawling settings (i.e., "crawl only selected extensions" are unchecked.) Or select only .las as selected extension [2] Delete crawled aggregate [What was expected to happen] A.las and A.hpc from user's folder should be un-touched. [What did happen] ERDAS APOLLO deleted the A.HPC from user's folder.
1-JP7B2H	Scheduled crawl jobs duplicating aggregates and datasets	Set up a recurring scheduled crawl job. Each time the job runs a new aggregate is created in ROOT and the data are re-crawled. Similarly, created a new aggregate and set up a recurring crawl job into that aggregate and disabled the Replicate Directory Hierarchy with Aggregates option. Each time the job ran the existing datasets were re-crawled rather than being skipped, so there were duplicate named datasets in the aggregate. In the first scenario, did not expect a new aggregate to be created each time. In the second scenario did not expect existing datasets to be duplicated. ----add to Eddie's test case (by Qu)---- [How to repeat] [1] Crawl image folder. For example "test_img" [2] manually add some new image to "test_img" folder, and crawl this folder again [What was expected to happen] ERDAS APOLLO crawler should add new image to existing aggregate [What did happen] ERDAS APOLLO crawler created exact the same aggregate. See attached screen copy "duplicate_aggregate_name.JPG".
1-JP7QYW	Customer needs Official support for RADARSAT 1 and 2 images	<p>\\alpha\JIRA_data\1-JP7QYW ----- Here is how to enable Radarsat 1/2 decoder ----- By default ERDAS APOLLO 2015 doesn't support Radarsat 1/2 images, so modify decoder.yaml and restart server, radarsat2:        !com.erdas.apollo.api.dataaccess.configuration.file.ImageryFileHandlerConfiguration        defaultExtension: xml handlerClassNames: -        com.lggi.esp.coverage.decoder.raster.gio.GIORasterDecoderProxy dataType: imagery template: product.xml When crawl Radarsat 1/2 images, user need to choose "product.xml" as extension (otherwise ERDAS APOLLO will only crawl .tif images). see attached screen copies NOTE: the GDAL decoder doesn't work ----- Issues -----        ----- [1] WARN in the log 12:58:42,194 WARN        [com.ionicsoft.coverage.hierarchical.HierarchicalCoverageReference] (ajp-0.0.0.0-0.0.0.0-8009-1) Warning !!! The coverage reference product_2 has been registered with a different decoder than the one used to read it now! This may lead to unexpected behaviour. Please ensure that your configuration and jar files are the same server-side and admin-side (ISManager for example). Please remove this reference and index it again. &gt; Not sure what's going on with this one, looks like "product.xml" conflict with existing "xml" extension, so that there are 2 decoders will try to decode the same file... unexpected result, the second decoder may overwrite information from the first decoder.        [2] Download &amp; CZS issue When download the whole image from portal, you will only get files with "product.xml" in the filename (e.g., product.xml.ovr, product.xml.aux...) When do CZS and choose img as output format, you will only get the converted .img file from product.xml.ovr. NOTE: you can drag and drop product.xml into IMAGINE viewer, and IMAGINE will recognize all the bands associated with xml.</p>
1-JSQFAD	Create WFS from Oracle	We currently have an RFP response for a customer solution where they would like to have a WFS connection from their Oracle vector holdings. ERDAS APOLLO can create all other OGC connectors that are required, except for WFS from Oracle. This would require a full WebMap implementation for this one OGC feed. The menu items make you believe that creating a WFS from Oracle is possible. Can APOLLO be enhanced to include creating WFS from Oracle? Thanks! Mike
1-JZURMF	dropbox failed to catalog image	Data:\\alpha\JIRA_data\1-JZURMF [How to repeat] Set up dropbox on one aggregate (choose .img as selected format), and copy test .img file to monitor folder [What was expected to happen] image will be copied from monitor folder to target folder, and image will also be cataloged [What did happen] image is copied from monitor folder to target folder, but image is not cataloged Here is the log, exactly the same error: "FAILED with status=1"... customer got the same error Thu Jan 28 10:45:41 2016 : File: C:\WORK\DATA\dropbox_input\test_dropbox.img matches filter Thu Jan 28 10:45:41 2016 : Running : catalogimage.exe C:\WORK\DATA\dropbox_output\test_dropbox.img - protocol http -server tekserver2.ingrnet.com -port 80 -aggregate dropbox -login dropboxadmin ***** -datasetWMS true -datasetWCS true -datasetPyramids true -datasetThumbnails true - datasetCZSEnabled true -datasetWMTSEnabled false -datasetImageXEnabled true - datasetGeoServicesEnabled false -datasetEcwpEnabled true -datasetJpipEnabled false - datasetAllDownloadServicesEnabled true -datasetAllViewServicesEnabled true -aggregateWMS true

		<p>-aggregateWCS true -aggregatePyramids false -aggregateThumbnails false -aggregateCzsEnabled true -aggregateAllDownloadServicesEnabled true -aggregateAllViewServicesEnabled true - metadataParsingStrategy 0 -metadataParsers "" -iwsOptionsFilePath "C:/Program Files/Hexagon/ERDAS APOLLO/config/erdas-apollo/smartsync/dropbox.iwsoptions" - permissionsAsString          PermissionObjects[\$^\$]2[\$^\$]esp_data_manager[\$^\$]true[\$^\$]true[\$^\$]true[\$^\$]true[\$^\$]true[\$^\$]false[\$^\$]-1.0[\$^\$]-          1.0[\$^\$][\$^\$]esp_administrator[\$^\$]true[\$^\$]true[\$^\$]true[\$^\$]true[\$^\$]false[\$^\$]false[\$^\$]-          1.0[\$^\$]-1.0[\$^\$][\$^\$] -delimiter [\$^\$] -useRaytheonWorkflowForNITF false Thu Jan 28 10:45:42 2016 : Command : catalogimage.exe; completed in 1 seconds, but FAILED with status=1 Thu Jan 28 10:45:42 2016 : File : C:\WORK\DATA\dropbox_output\test_dropbox.img completed in 1 seconds.</p>
1-K01FX6	WCS getCoverage with store=true cache problem	<p>[How to repeat] Do the following request, notice the only difference is the format, one is ECW, another is GeoTIFF <a href="http://tekserver3.ingrnet.com/erdas-apollo/coverage/ATLANTA_SINGLE?REQUEST=GetCoverage&amp;SERVICE=WCS&amp;VERSION=1.0.0&amp;COVERAGE=atl_tiles_1_1&amp;CRS=EPSG:4326&amp;BBOX=47.4662968688119,40.1112781039604,49.2563983391089,41.1115561039604&amp;WIDTH=723&amp;HEIGHT=404&amp;FORMAT=ECW&amp;store=true">http://tekserver3.ingrnet.com/erdas-apollo/coverage/ATLANTA_SINGLE?REQUEST=GetCoverage&amp;SERVICE=WCS&amp;VERSION=1.0.0&amp;COVERAGE=atl_tiles_1_1&amp;CRS=EPSG:4326&amp;BBOX=47.4662968688119,40.1112781039604,49.2563983391089,41.1115561039604&amp;WIDTH=723&amp;HEIGHT=404&amp;FORMAT=GeoTIFF&amp;store=true</a>          [What was expected to happen] The XML response should reflect the requests. [What did happen] Got the exact the same XML response. Both Format = ECW &lt;format&gt;ECW&lt;/format&gt; -----comment from customer----- We need to provide INSPIRE (European initiative) compliant WCS service. /Fortunately it is able to use temporarily (maybe for few years) version 1.0.0 (but 2.0.1 would be better :-)/ INSPIRE need provide XML/GML envelope about data (includes hyperlink to the coverage data). It is exactly xml provided with store=true. So this is the reason. (Or is it possible to get this output XML+linked data by any other way?)</p>
1-K4EDDE	Dropbox performance impacted by unnecessary getcapabilities calls	<p>In the drop box workflow, catalogimage.exe is making an unnecessary getcapabilities call that is causing dropbox performance to degrade over time as more images are cataloged and the load increases. A fix was made to apollolib.ccp to correct the behavior for ERDAS APOLLO 2011 but that fix needs to be brought forward to the latest ERDAS APOLLO. See email in attachments.</p>
1-L1YW4T	Data Manager not processing "Crawl Only Main Image for multi sub-image formats" properly NITF data	<p>CT# 6219: Log this for an ERDAS APOLLO Pro supporting WebGLT. The 2015 EP05 ERDAS APOLLO Data Manager crawler/add resource is not behaving properly for multi-segment GEOEYE NITF files. In the 2013 ERDAS APOLLO, a fix was added to ERDAS APOLLO Data Manager Configuration &gt; General &gt; Properties: Crawl Only Main Image for multi sub-image formats true When this is set, ERDAS APOLLO Data Manager is supposed to ignore the multiple segments and just catalog the file with the file URI and not make the .sbi file. This is currently all messed up. When set to true, the file URI is set to the sbi file, which is not created rather than the files URI, see screenshot. I've uploaded a .zip file of a Geoeeye file that has the issue. Also note that the crawl or add resource job end with the error in the screenshot below. No thumbnail is created. The weird thing is that the dataset "Add to Map" works. Data in <a href="#">\alpha\Siebel_Bug_Data\1-L1YW4T</a></p>
1-AFHAPV	Could not change character set for WFS service in Apollo 2015	<p>[How to repeat] Install Apollo 15 using Custom credentials (e.g., ingrnet\hqu), launch Apollo DM, and create WFS shp file provider. After finished, choose "Edit Provider" and go to "Data Source" and add "Windows-1256" as character set.          [What was expected to happen] Change should be saved.          [What did happen] Received an error "Save All Failed - java.lang.NullPointerException"</p>
1-L69SLO	Search GUI is not modified to reflect queryables in Apollo Portal	<p>[How to repeat] Enable queryables, and restart JBOSS and IIS. Check queryables fields in Apollo data manager and Apollo portal search tab.          [What was expected to happen] Queryable field should show up in both Data manager and Apollo portal search tab          [What did happen] Apollo portal doesn't update Queryable search fields.</p>

1-KN3C8J	All of the Radarsat data is not getting ingested.	With the Apollo (EP05) fix - All of the Radarsat data is not getting ingested. An example of the problem is a folder structure containing BrowseImage.tif, imagery_HH.tif lutBeta.xml and product.xml files. Only the imagery_HH.tif and product.xml was crawled.
1-9N387A	Request Configuration Wizard to support LDAP configuration	This is enhancement request, not defect. Basically the customer wants to be able to use an LDAP connection during configuration wizard, instead of configuring LDAP after the install/config process.

## GEOCOMPRESSOR

CR #	Summary	Description / How to Reproduce
1-KF4706	Geocompressor takes more time in mosaicking and compressing Tiled TIFF input files	Customer reported that Geocompressor takes more time in mosaicking and compressing Tiled TIFF input files, if the compression method Tiled is selected. According to the customer Geocompressor takes more than double the time for Tiled TIFF input file than that for IMG or ECW input. I have recreated the customer's problem. I used a machine with 8 cores. I have noticed that with Tile method, with TIFF data, Geocompressor takes double the time than it takes for IMG or ECW input file. Even if I use only a 2 -core machine, the TIFF to ECWv3 takes more than double the than it takes for ECW or IMG input file in compressing with tile mode.



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