

# Leica Geosystems Release Notes

**Product** Leica JetStream Enterprise 1.5  
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## What's New

### ***Support for LGS, Leica Geosystems Universal HDS Digital Reality File***

Leica JetStream Enterprise now supports the use of LGS files, Leica Geosystems' new universal HDS digital reality file. LGS files contain all project information for a single-file solution for downstream consumption in all Leica Geosystems HDS software. The LGS file is perfect for storage and transfer between all Leica Geosystems' HDS software products. The LGS file is a true single file, to simplify file sharing.

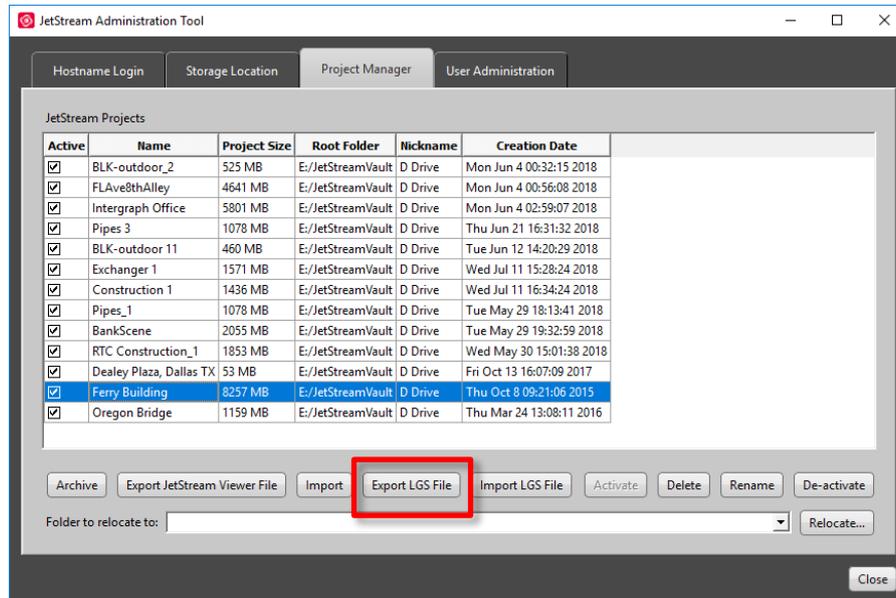
LGS files can be published from both Cyclone and Cyclone REGISTER 360 with a required Cyclone PUBLISHER Pro License. LGS files can be consumed by Cyclone, TruView Enterprise and Cloud, JetStream Enterprise and Viewer, and 64-bit CloudWorx plugins to allow for seamless data consumption between the Leica Geosystems HDS software products. With the LGS file, users can access all their digital reality data, anywhere, with a single file.

LGS files may contain the following information based on the hardware used for data capture and the user's publishing settings.

- **PROJECT METADATA**
  - Name
  - Thumbnail
  - Coordinate system
  - Publish date
  - Creator/Company info
  - # of SiteMaps
  - # of points
  - # of setups
  - Imagery metadata and #s
- **PROJECT SITEMAPS + METADATA**
  - SiteMap image(s)
  - Hyperlinks (between SiteMaps)
  - Setups
- **PROJECT SETUPS + METADATA**
  - Name
  - Timestamp
  - Targets + metadata
  - RGB pano imagery
  - HDR pano imagery
  - Intensity Hue pano imagery
  - Intensity Grayscale pano imagery
  - Modelled Geometry pano imagery
  - IR pano imagery
  - IR temperature scale
- **POINT CLOUD + METADATA**
  - RGB colours
  - HDR colours
  - Intensity Hue colours
  - Intensity Grayscale colours
  - UCS
  - Clips
- **GEOTAGS + METADATA**
  - 3D position
  - Type

- Category
- Label
- URL
- Timestamp
- Associated assets (e.g., images, PDFs, videos, audio, etc.)

Users may now also export data from JetStream Enterprise as an LGS in addition to the standard JSV format if the data was originally published to JetStream Enterprise by a Cyclone PUBLISHER Pro license or imported as an LGS file.



### ***Support for GeoTags, Assets, Image Layers and more.***

JetStream now supports GeoTags, Assets (including images, videos, and other file types), SiteMaps and Layers (such as HDR and IR when present in the dataset), allowing users to fully leverage all the capabilities of their Leica Geosystems scanning solutions. This additional data can only be exported to an LGS file, not a JSV file.

### **Server Info**

The JetStream Admin utility can now display the version of JetStream running on the remote server.

### **Change to Publishing License Control**

Cyclone JetStream PUBLISHER licenses are now checked by Cyclone or Cyclone REGISTER 360 upon attempt to publish rather than by JetStream Enterprise upon attempt to import.

- **PLEASE NOTE!!!** Users should relocate their Cyclone JetStream PUBLISHER licenses to the same CLM as Cyclone in the case Cyclone and JetStream Enterprise are licensed by separate installations of Leica CLM.
- This also applies to Cyclone PUBLISHER Pro for publishing to JetStream Enterprise as well as legacy JetStream Generator licenses
- This requires the user also be running the latest JetStream Enterprise 1.5 and Cyclone REGISTER 360 1.5 and/or Cyclone 9.3

## New CLM 1.7

JetStream now includes and supports Leica Client License Manager (CLM) 1.7.2.

## Leica JetStream Enterprise Compatibility and Upgrades

### Compatibility

JetStream Enterprise requires corresponding releases of Cyclone, Cyclone REGISTER 360, CloudWorx, and JetStream Viewer for all features to function correctly:

	Publish background panoramic image data to JetStream Enterprise	Publish HDR Pano images	Publish GeoTags, assets, layers, and SiteMaps	View published GeoTags, assets, layers and SiteMaps	View published Pano Imagery	View JSV files published from JetStream Enterprise
<i>Cyclone</i>	9.1.4 or higher	9.2.1 or higher	9.3 or higher	9.3 or higher		
<i>Cyclone REGISTER 360</i>	1.4 or higher	1.4.1 or higher	1.5 or higher			
<i>JetStream Enterprise</i>				1.5 or higher		
<i>JetStream Viewer</i>				1.5 or higher	1.2 or higher	1.3 or higher
<i>CloudWorx AutoCAD</i>				6.4 or Higher	6.1 or higher	
<i>CloudWorx Micro-Station</i>				5.1.4 or higher	5.1.4 or higher	
<i>CloudWorx PDMS</i>					2.0.1 or higher	
<i>CloudWorx Revit</i>				2.2 or higher	2.2 or higher	
<i>CloudWorx Navisworks</i>				1.1 or higher	1.0.2 or higher	
<i>CloudWorx 3DReshaper</i>				18.0.7		
<i>CloudWorx BricsCAD</i>				1.0 or higher	1.0 or higher	

### Known Issues

#### Usage file reporting issue for EnterpriseElite Customers

When using the standalone CLM installer, some EnterpriseElite users may find that the usage file (year-month.db) normally located at *C:\Leica Geosystems\CLM\LogFiles* does not get produced.

Please ensure your LGS.opt (located here: *C:\Program Files (x86)\Common Files\Leica Geosystems\License-Server\lgs.opt*) file looks like this:

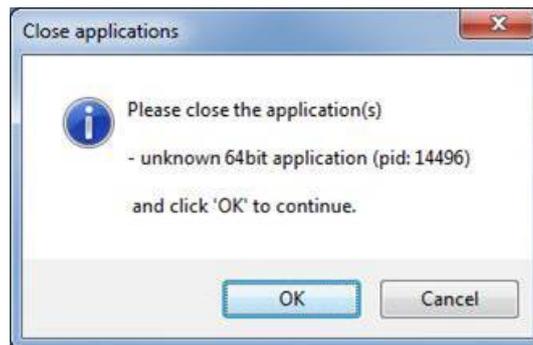
```
DEBUGLOG +"C:\Leica Geosystems\CLM\LogFiles\lgs.log"  
NOLOG IN
```

TIMEOUTALL 240  
ENABLE\_DB\_HISTORY 1  
PATH\_DB\_HISTORY C:\Leica Geosystems\CLM\LogFiles

ENABLE\_DB\_HISTORY should be set to 1 in this file. Please copy the file to a new location, edit it and re-save if the file says it's read-only.

### ***Installing CLM while JetStream is running***

During installation of CLM, users may encounter the following error message. This is commonly due to a service like JetStream running in the background.



To enable the successful installation of CLM, please follow these steps:

- Launch the task manager
- Select the Services tab
- Look up the process with the PID (Process ID) shown in the Close applications dialog
- In this case it is JetStream
- Terminate the process so that CLM can be installed
- After CLM is installed, click on the Services button in the Task Manager and restart the service