

# Leica Geosystems Release Notes

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## What's New

This is a major release including support for the new BLK2GO scanner. CCP dates have been updated accordingly. Please ensure that your license is up to date before updating to 2020.

### ***BLK2GO support***

This release includes support for data collected on the new BLK2GO handheld imaging scanner.

The BLK2GO is a new handheld imaging laser scanning from Leica Geosystems which captures images and dimensionally accurate point clouds in real-time and uses SLAM technology to record the user's trajectory through space.

JetStream Enterprise will accept BLK2GO data published from either Cyclone or the Cyclone REGISTER 360 family for use downstream in JetStream Viewer, the CloudWorx family, Map360, and Cyclone 3DR.

### ***New Cyclone PUBLISHER Family support***

With the 2020 release of the Laser Scanning Software portfolio, Leica Geosystems will have simplified its Cyclone PUBLISHER Family and now offers two PUBLISHER licenses:

- Cyclone PUBLISHER
- Cyclone PUBLISHER Pro

Cyclone TruView PUBLISHER and Cyclone JetStream PUBLISHER will be replaced by Cyclone PUBLISHER and Cyclone PUBLISHER Pro which provide greater flexibility and several desirable features. This simplified PUBLISHER landscape will ensure that all users are working with the most modern and complete files possible and retain access to the full suite of Leica Geosystems software currently available to them.

Both PUBLISHER licenses will write LGS files which can be consumed downstream in Cyclone, Cyclone 3DR, JetStream Enterprise, JetStream Viewer, the CloudWorx suite, TruView Enterprise and Cloud, and Map360. Cyclone PUBLISHER will also publish ReCap files and a multiple pano layers (including IR imagery from the BLK360), all of which were previously only available with Cyclone PUBLISHER Pro.

With this move, historic formats, JSV and TVG, will no longer be published by the Cyclone REGISTER 360 Family, Cyclone or JetStream Admin, though JetStream Viewer and TruView Enterprise and Cloud will continue to accept them (respectively) indefinitely. TruView Local files will continue to be a publish option for the time being.

Projects stored in JetStream Enterprise which could formerly be written to JSV will now be written to LGS. If a project is missing any data required for the LGS format (such as a SiteMap from old projects published to JetStream Enterprise 1.4.2 or earlier, or from Cyclone 9.2.2 or earlier and from Cyclone REGISTER 360 1.4.3 or earlier), the user will receive a message stating that data is missing and the LGS cannot be produced. We recommend re-publishing such projects directly to LGS from Cyclone or the Cyclone REGISTER 360 Family to ensure a complete project file.

Additionally, for users who currently own either Cyclone TruView PUBLISHER or Cyclone JetStream PUBLISHER with current CCP (including TimeLimited, Education, EnterpriseElite, and Subscription licenses which include CCP), their current licenses will now be treated by the publishing software as Cyclone PUBLISHER Pro. Upon the expiration of a user's CCP or TimeLimited, Education,

EnterpriseElite, or Subscription license(s), the user should officially migrate to Cyclone PUBLISHER Pro by contacting their sales or support representative and providing their EID(s). Each permanent seat of either Cyclone TruView PUBLISHER or Cyclone JetStream PUBLISHER can be migrated to a new, free of charge seat of Cyclone PUBLISHER Pro with the purchase of CCP for Cyclone PUBLISHER Pro.

CONTENT PUBLISHED	CYCLONE PUBLISHER	CYCLONE PUBLISHER PRO
TruView Local dataset	◆	◆
JetStream Enterprise Project	◆	◆
Direct publish to TruView Cloud	Controlled by TruView Cloud subscription	Controlled by TruView Cloud subscription
LGS file	◆	◆
LAS file		◆
RCP file*	◆	◆
Pano image as EXR & JPG		◆
Project name	◆	◆
Project creation date	◆	◆
Project creator info	◆	◆
Project stats metadata	◆	◆
SiteMap(s)	◆	◆
Control	◆	◆
Setups + Metadata	◆	◆
Multi-layer pano image	◆	◆
RGB pano image layer	◆	◆
HDR pano image layer	◆	◆
Intensity Hue pano image layer	◆	◆
Intensity Grayscale pano image layer	◆	◆
IR pano image layer + Temperatures	◆	◆
Models as part of RGB pano image layer		◆
Pano depthmap	◆	◆
3D point cloud	◆	◆
RGB attributes	◆	◆
Intensity hue attributes	◆	◆
Grayscale attributes	◆	◆
HDR attributes	◆	◆
Multiple UCS'	◆	◆
Clips	◆	◆
GeoTags + Metadata	◆	◆
Assets	◆	◆
Image	◆	◆
Video	◆	◆
Audio	◆	◆
PDF	◆	◆
Text	◆	◆
Publish Sub-selection: Limit Box content only		◆
Publish Sub-selection: Selected Setups only		◆

\* RCP files can be produced from Cyclone REGISTER 360 (BLK Edition) without an additional PUBLISHER license.

## Bug Fixes

### Installation Bugs

- Corrected a bug which prevented a brand new installation of JetStream Enterprise from prompting the user for a port number and project storage location.

### UX Bugs

- Improved consistency of feature and tool naming and terminologies across the product. Corrected a bug which prevented storage folders from being located on network drives that contains non-ASCII characters.

### Publishing Bugs

- Corrected a bug which prevented some LAS files from being published from Cyclone to JetStream Enterprise.
- Corrected a bug which allowed passwords of an invalid length to be specified for LGS files exported from JetStream Admin.

## Leica JetStream Enterprise Compatibility and Upgrades

### Upgrading to Leica JetStream Enterprise 2020 with network storage

When upgrading to the latest version of JetStream Enterprise when primary storage is a network location, it might happen that the JetStream service does not start correctly due to service login credentials being reset with the update. The user should enter the service login credentials and reboot the machine before attempting to restart the service.

### Compatibility

JetStream Enterprise requires corresponding releases of Cyclone, the Cyclone REGISTER 360 family, 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, SiteMaps	View GeoTags, assets, layers SiteMaps	View Pano Imagery	View JSV files published from JetStream Enterprise	Store Snapshots created in JetStream Viewer	Publish LGS	Import/Open LGS	Import/View BLK2GO data	Publish BLK2GO data
<i>Cyclone</i>	9.1.4 or higher	9.2.1 or higher	9.3 or higher	9.3 or higher	-	-	-	9.2 or higher	9.2 or higher	9/5 or higher	9/5 or higher
<i>Cyclone REGISTER 360</i>	1.4 or higher	1.4.1 or higher	1.5 or higher	-	-	-	-	1.5 or higher		2020 or higher	2020 or higher
<i>Cyclone REGISTER 360 (BLK Edition)</i>	1.6.2 or higher	1.6.2 or higher	1.6.2 or higher					1.6.2 or higher		2020 or higher	2020 or higher
<i>JetStream Enterprise</i>	-	-	-	1.5 or higher	-	-	1.6 or higher	1.5 or higher	1.5 or higher	2020 or higher	2020 or higher
<i>JetStream Viewer</i>	-	-	-	1.5 or higher	1.2 or higher	1.3 or higher	1.6 or higher*		1.5 or higher	1.3 or higher	-
<i>CloudWorx AutoCAD</i>	-	-	-	6.4 or higher	6.1 or higher	-	-		6.4 and higher	-	-
<i>CloudWorx MicroStation</i>	-	-	-	5.1.4 or higher	5.1.4 or higher	-	-		5.2 and higher	-	-
<i>CloudWorx PDMS</i>	-	-	-	2.2 and higher	2.0.1 or higher	-	-		2.2 and higher	-	-
<i>CloudWorx Revit</i>	-	-	-	2.2 or higher	2.2 or higher	-	-		2.2 and higher	-	-
<i>CloudWorx Navisworks</i>	-	-	-	1.1 or higher	1.0.2 or higher	-	-		1.1 and higher	-	-
<i>CloudWorx BricsCAD</i>	-	-	-	1.0 or higher	1.0 or higher	-	-		1.0 and higher	-	-
<i>CloudWorx for SOLIDWORKS</i>									1.0 and higher	-	-
<i>Cyclone 3DR</i>				19.1 or higher	19.1 or higher				19.1 or higher	19.1 or higher	

\*JetStream Viewer can "publish" LGS files only when data was opened in that format and Snapshots have been added

## ***Migrating locations***

When migrating a JetStream Enterprise server from one location to another, first upgrade the old server to the latest version then install and license JetStream Enterprise in the new location and use the relocate function to move data from the old server to the new one.

If you have installed and licensed JetStream Enterprise before upgrading your old server, locate your server db file in C:\ProgramData\Leica Geosystems\JetStream named ServerDb.db. This file should be copied to the new server to migrate your service. Check that the JetStream service is still running.

## ***Deprecated features***

Leica Geosystems strives to provide support for the widest array of operating systems and file formats possible as is reasonable given current technologies and support from third-party partners. With each release, we review our list of currently supported formats and operating systems in line with industry trends and announced product terminations.

Leica Geosystems may add or terminate support for a file format during any release. Obsolete operating systems will be supported for six months after their announced termination or the next major software release, whichever comes first. Server products will be supported in alignment with Leica's Client License Manager (CLM) supported servers to guard users against incompatibility.

Please reference the Leica Geosystems Deprecated Features policy for a complete listing of discontinued features, formats and operating systems.

JetStream Enterprise 2020:

- JSV files are no longer published. Users should use the new LGS format.

## **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.

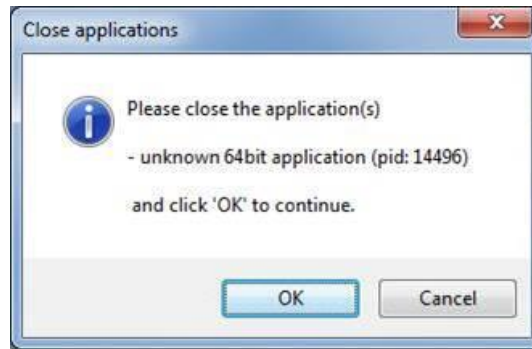
Please ensure your LGS.opt (located here: C:\Program Files (x86)\Common Files\Leica Geosystems\License-Server\lgs.opt) file looks like this:

```
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

### ***Password-protected LGS files***

Passwords cannot be recovered or changed for either projects or files but may be removed and re-added for projects within JetStream Enterprise or re-published from Cyclone or the Cyclone REGISTER 360 family.

Cyclone does not accept LGS files published from JetStream Admin that are protected with a password that includes non-ASCII characters.

### **Licensing**

All users with currently valid CCP, or with CCP valid as late as 25 January 2020, can run this new version with no new license required