



# Release Notes - CloudWorx 4.0 for MicroStation

August 15, 2008

These release notes provide important information about the contents of the Leica CloudWorx 4.0 for MicroStation product release.

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## WHAT'S NEW?

CloudWorx 4.0 for MicroStation provides several new important features. CloudWorx 4.0 requires Cyclone 6.0 to run

### GENERAL ENHANCEMENTS

THE MOST IMPORTANT NEW FEATURES OF CLOUDWORX 4.0 FOR MICROSTATION ARE:

- New TruSpace ScanWorld viewer
- New KeyPlan capability
- MicroStation Compatibility

### NEW TRUSPACE SCANWORLD VIEWER

*CloudWorx 4.0 for MicroStation* introduces an important new viewer called the TruSpace viewer. The TruSpace viewer is a specialized point cloud viewer that can be opened outside of MicroStation. It works in a panoramic mode for easy view manipulation, like TruView. It allows users to include imagery (the Multi-image) in the background of the point data which makes it much easier to recognize the scanned scene. It also provides an easy method of driving or synchronizing the viewpoint in MicroStation so getting to the desired viewpoint is much easier.

In addition to driving the viewpoint in a synchronized method, the user can pick points in the new TruSpace panoramic viewer and have those picked coordinates provided to any running MicroStation command. For instance, a user might start the line command in MicroStation, then draw the line by picking consecutive points in the TruSpace panoramic viewer, where they are easily identified.

Finally, users can also define a limit box in the panoramic TruSpace viewer and the limit box is immediately created in the MicroStation view as well. This provides a new, easy method of quickly selecting a subset of the point cloud for easy modeling, tracing, etc. in MicroStation.

### NEW KEYPLAN CAPABILITY

In addition to the TruSpace viewer, a new element called a KeyPlan in the Cyclone database provides a graphical interface for viewing a plan of the scanned area with each scanner location identified. By selecting points on this KeyPlan, the appropriate viewpoint is set in the TruSpace viewer, and thus in the MicroStation viewing environment, making it easy to move around large projects with ease.

### MICROSTATION COMPATIBILITY

CloudWorx 4.0 for MicroStation introduces compatibility for MicroStation V8 XM build 8.9.4.51. This is in addition to the current V8 XM compatibility with build 8.9.3.66.

### CYCLONE DATABASE MANAGEMENT RECOMMENDATION

- To avoid possible database inconsistencies or corruption, we recommend the following:
  - Locate each .IMP file in its own folder.
  - When copying, moving or backing up databases, we recommend backing up the *complete database folder*, including the **eventlog** and **recovery** folders and files.
  - The **eventlog** records administrative events and critical errors.
  - The **recovery** file keeps databases consistent, avoiding data corruption that may happen in rare situations.
  - A warning dialog is displayed if a database's recovery folder cannot be found when it is added to the server. Push the **More Info** button for more information.

## **MICROSTATION/J SUPPORT ALERT**

*Future Leica CloudWorx for MicroStation products will no longer support MicroStation/J.*  
Bentley has discontinued services and support for MicroStation/J-based products.

## **INSTALLING CYCLONE CLOUDWORX 4.0 FOR MICROSTATION**

### **UPGRADING TO CLOUDWORX 4.0 FROM CLOUDWORX 3.3 OR EARLIER**

You must have Administrator-level privileges on your workstation to correctly install *Cyclone* CloudWorx software.

Run the *Cyclone* 6.0 installer. Then run CloudWorx 4.0 InstallShield and follow the directions in the InstallShield Wizard to proceed with the installation. Please heed warning message about compatibility of earlier versions' databases.

### **COMPATIBILITY WITH BENTLEY CLOUDWORX 3.2.1**

*Cyclone* 6.0/CloudWorx 4.0 databases are interchangeable with *Cyclone* 5.5/5.6/5.7/5.8 and Bentley CloudWorx 3.2.1 databases. Updating and optimizing *Cyclone* 5.5/5.6/5.7/5.8 and Bentley CloudWorx 3.2.1 databases is not required before use in *Cyclone* 6.0/CloudWorx 4.0.

### **COMPATIBILITY WITH BENTLEY CLOUDWORX 3.2 AND EARLIER VERSIONS**

*Cyclone* 6.0/CloudWorx 4.0 databases are *NOT* backwards compatible with *Cyclone* 5.4/CloudWorx 3.2 or previous versions. Therefore, databases that are updated using *Cyclone* 6.0/CloudWorx 4.0 cannot be used with earlier versions. If you will need to work with your data in older versions of *Cyclone* or CloudWorx, you should make an archive copy of your database(s) prior to upgrading.

### **UPDATING AND OPTIMIZING CLOUDWORX 3.2 OR PREVIOUS DATABASES TO CLOUDWORX 4.0**

*Cyclone* 5.4/CloudWorx 3.2 and previous databases can be opened by CloudWorx 4.0 only after being updated and optimized to be compatible with *Cyclone* 6.0/CloudWorx 4.0. Since it can take some time to update and optimize *Cyclone* databases, we recommend that you optimize your databases overnight, particularly when multiple databases are involved.