

Bulletin Number: 20080804x9GIS

Product: x9GIS

Subject: x9GIS compatibility with ArcGIS Desktop 9.3 Release

On 8/1/2008, microDATA completed 4 weeks of testing x9GIS for compatibility using ESRI's new ArcGIS Desktop 9.3 release.

Several issues have come to our attention, which x9GIS users should be aware of.

x9GIS and xTrakker

1. x9GIS users who support xTrakker, by providing GIS database updates, should pay extra attention to the following issues caused by incompatibilities between ArcGIS Engine 9.2 and ArcSDE 9.2
 - a. xTrakker will continue to run on the ArcGIS Engine 9.2.
 - b. xTrakker support for ArcGIS Engine 9.3 is still under development and is covered under Service Bulletin 20080715SDE.
 - c. ArcGIS Engine 9.2 is compatible with file geodatabases and personal MS-Access geodatabases that are created by ArcGIS Desktop 9.2.
 - d. ArcGIS Engine 9.2 is not compatible with ArcSDE 9.3 databases.
 - e. ArcGIS Engine 9.2 is not compatible with file geodatabases and personal MS-Access geodatabases that are created by ArcGIS Desktop 9.3.
2. x9GIS users who support xTrakker, by providing GIS database updates, should pay extra attention to the following issues caused by incompatibilities between ArcGIS Desktop 9.3 and ArcSDE 9.2
 - a. ArcGIS Desktop 9.3 is not compatible with creating or rebuilding Locators in file geodatabases and personal MS-Access geodatabases that were created by ArcGIS Desktop 9.2.
 - i. ArcGIS Desktop 9.3 and x9GIS are compatible with editing file geodatabases and personal MS-Access geodatabases that were created by ArcGIS Desktop 9.2.
 - ii. File geodatabases and personal MS-Access geodatabases that were created by ArcGIS Desktop 9.2 are compatible with xTrakker, as long as you do not upgrade the geodatabase to 9.3.
 - iii. You will not be able to rebuild Locators for xTrakker, unless you retain at least one x9GIS workstation running ArcGIS Desktop 9.2.
 - b. ArcGIS Desktop 9.3 is not compatible with creating or rebuilding Locators in ArcSDE 9.2 databases.
 - i. ArcGIS Desktop 9.3 and x9GIS are compatible with editing ArcSDE 9.2 geodatabases, with one exception we are aware of (creating or rebuilding Locators).
 - ii. ArcSDE 9.2 geodatabases are compatible with xTrakker, as long as you do not upgrade the geodatabase to 9.3!
 - iii. You will not be able to rebuild Locators for xTrakker, unless you retain at least one x9GIS workstation running ArcGIS Desktop 9.2.
 - c. Many x9GIS and xTrakker users use ArcSDE replicas to manage distribution of GIS data updates to xTrakker.

- i. ArcGIS Desktop 9.3 can synchronize changes between ArcSDE 9.2 replicas, as long as both the parent and child databases are in ArcSDE 9.2.
- ii. You will not be able to rebuild Locators for xTrakker¹, after synchronizing the changes from the parent to the child database, unless you retain at least one x9GIS workstation running ArcGIS Desktop 9.2.
- iii. ArcGIS Desktop 9.3 cannot synchronize replicas between a parent geodatabase in ArcSDE 9.3, and a child database in ArcSDE 9.2.

X9GIS

- 3. x9GIS users should be aware of the following issues caused by incompatibilities between ArcGIS Desktop 9.3 and ArcSDE 9.2
 - a. “Select By Location” in ArcGIS Desktop 9.3 does not select features in an ArcSDE 9.2 geodatabase if you select the option to “Use Selected Features” and your data frame is set to a different coordinate system than the features in the database.
 - i. We have brought this to the attention of ESRI, and they have assigned reference number #NIM037219. The current workaround from ESRI for this issue, other than their recommendation to use the same version of ArcGIS Desktop and ArcSDE, is to set the data frame to display in the same coordinate system as the ArcSDE dataset.
- 4. x9GIS users should be aware of the following issues caused by incompatibilities between ArcGIS Desktop 9.3 and x9GIS version 2.x
 - a. x9Wireless toolbar, import from input list, “The geometry property of the spatial filter is invalid” error². Fixed in x9GIS 2.1.73.
 - i. Note: several other tools also threw this same error, “The geometry property of the spatial filter is invalid”, and all were fixed in x9GIS 2.1.73.
 - b. x9GIS Polygon editing toolbar, “Edit a Polygon” tool, “Error while attempting to edit polygons: An error occurred creating a map topology (ArcMapTools.CreateMapTopology) Error HRESULT E_FAIL has been returned from a call to a COM component”. microDATA is researching the cause of this new bug, and will develop a fix in a future x9GIS release.
 - c. x9GIS Sites toolbar, Update, “Join StreetID from RAZ” tool, works when you select ESites in advance and run it on a Selection, but fails with the following error when run by Town: “Error while updating ESite GeoNameIDs: Error updating the ESite GeoNameID based on RAZ (ESite.UpdateGeoNameID) Error HRESULT E_FAIL has been returned from a call to a COM component”. microDATA is researching the cause of this new bug, and will develop a fix in a future x9GIS release.

Please report any x9GIS issues you encounter while using ArcGIS Desktop 9.3 to TechSupport@md-911.com.

¹ After synchronizing the changes from the parent to the child database, a Locator will not work until the geocoding indexes are rebuilt or re-created, due to the changes in the Locator’s reference data (xT_Roads and xT_Sites). ArcGIS Desktop 9.3 can not create or rebuild Locators in ArcSDE 9.2 databases. You must have at least 1 copy of ArcGIS Desktop 9.2 available to create or rebuild the Locators in ArcSDE 9.2 databases.

² <http://support.esri.com/index.cfm?fa=knowledgebase.techarticles.articleShow&d=34915> Prior to ArcGIS 9.3, the Geometry property of a spatial filter could be set to null. At version 9.3, additional error checking was added by ESRI to prevent the property from being set to an invalid geometry with a null.