ArcGIS 10.4 Prerelease Release Notes

ArcGIS Solutions

- ArcGIS Solutions is not certified with ArcGIS 10.4 Prerelease; therefore, workflows involving ArcGIS Solutions and ArcGIS 10.4 Prerelease may or may not work as expected. ArcGIS Solutions will be certified with ArcGIS 10.4 Final.

ArcGIS for Desktop

3D Analyst

- NIM095595 – The Point File Information GP tool, when using the LAS format option, allows you to enter non LAS files as input and writes incorrect or empty polygon records for them in the output. When using the LAS option only enter valid LAS files.
- BUG-000092733 – The Export LAS GP tool default output for a LAS dataset is incorrectly placed under default geodatabase folder when too run from ArcMap, scene, or globe. As a file based dataset LAS datasets should not go in GDB folders. As a workaround enter a valid path for the LAS dataset.
- BUG-000092744 – The Stack Profile and Intervisibility tools do not show any supported surfaces when browsing for data to use as an obstruction. As a workaround have the desired surface as a layer in a map or scene document. The surface will show up in the Obstruction parameter dropdown.

ArcGIS for Server

Upgrades

- Upgrading from version 10.1.x, 10.2.x and 10.3.x to 10.4 Pre-Release is supported. Upgrading from Beta 1 or Beta 2 to Pre-Release is not supported. Upgrading from Pre-Release to 10.4 Final will not be supported.

Help documentation

- There are some broken links in the help because links from one installed help system to another (ArcGIS Server to Portal for ArcGIS, for example) typically go to the web help. There is no web help update for 10.4 Pre-Release, so links meant to go from one help system to the web help for another component will be broken. Links from within a single installed help system to that same system should work.

Search Service

ArcGIS 10.4 Prerelease Release Notes

- Search services do not work at Pre-Release. This will be addressed for 10.4 Final.

ArcGIS Workflow Manager

Desktop and Server

- TFS000044806:   Replication does not work with secure services.

Desktop

- TFS000044856:   Create Jobs GP Tool does not work with background processing or python.

Server
- TFS000044735:   Publishing LOI Map service simultaneously with the Workflow Manager service does not work unless the data source is registered with server in advance.

- TFS000099999:   Rest HTML pages do not display variable names correctly.

ArcObjects SDK for the Microsoft .NET Framework

- KB 45885 Building Add-in Project using MSBUILD command line causes error MSB4036. Solution: In order to build an ArcObjects SDK 10.4 for .NET Add-in projects from command line, the MSBUILD command that is provided by the respective Visual Studio version has to be used.

- KB 45786 PinvokeStackImbalance Managed Debugging Assistant can occur when debugging Engine and Add-in applications that reference ESRI.ArcGIS.ADF.Local.dll. Please follow the corrective action in the KB

- KB 45783 A ValidateAddinXML task failed unexpectedly, System.IO.FileNotFoundException error can occur when compiling Add-ins on Visual Studio 2015. Please follow the corrective action in the KB.

ArcObjects SDK for C++

- KB 45831 ArcObjects SDK CPP - a required library - *libexpat.so.0* - is no longer available on SuSE 11 SP2, SP3 and SP4.
Solution: Create a symbolic link to the new library file. To create the new link, execute the following: *ln -s /lib/libexpat.so.1 $ARCENGINEHOME/bin/libexpat.so.0*

GeoEvent Extension for Server

ArcGIS 10.4 Prerelease Release Notes

- GH1096 - ArcGIS GeoEvent Extension for Server does not detect that ArcGIS Server is federated with Portal for ArcGIS. So the data store connection in ArcGIS GeoEvent Extension for Server is not updated. Also when an ArcGIS Server is unfederated, stream service output connector cannot find stream service that it was earlier pushing the data.
Workaround: After federating/ unfederating ArcGIS Server, export the configuration from ArcGIS GeoEvent Extension for Server, then reset the configuration and finally import the exported configuration. The credentials for Portal for ArcGIS also need to be entered in Registered ArcGIS Server under Data Stores.

- GH1020 – After updating the web server SSL certificate of ArcGIS server, ArcGIS GeoEvent Extension for Server does not use the updated certificate on restarting it once.
Workaround: Restart windows service for ArcGIS GeoEvent Extension for Server twice after the certification workflow is completed.

- GH1144 – Stream Services can only be published to Portal for ArcGIS installed on machine that has ArcGIS Server installed. They cannot be published if ArcGIS Server and Portal for ArcGIS are installed on two separate machines. Note that Stream service output connector can continue to push data to stream services that were published before the federation of ArcGIS Server.
Workaround: Install both ArcGIS Server and Portal for ArcGIS on the same machine.

- GH1146 – ArcGIS Server and ArcGIS GeoEvent Extension does not detect changes in the data store cluster when an additional spatiotemporal data store node is added or removed from the data store cluster.
Workaround: Restart windows service for ArcGIS Server and ArcGIS GeoEvent Extension for Server every time when any spatiotemporal data store node is added or removed from the data store cluster.

- When construct geometry from fields is set to true, TCP server input connector does not work if the field name in GeoEvent definition for geometry type is named anything except "Geometry".
Workaround: Field Name in the GeoEvent definition for geometry type should be named as "Geometry". This is case sensitive.

Portal for ArcGIS

Upgrades

- Upgrading from version 10.2.x and 10.3.x to 10.4 Pre-Release is supported. Upgrading from Beta 1 or Beta 2 to Pre-Release is not supported. Upgrading from Pre-Release to 10.4 Final will not be supported.

Help documentation

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another component will be broken. Links from within a single installed help system to that same system should work.

Localization

- After changing the language setting of a portal on Linux, the setting does not take effect until clicking on "My Organization". This will be addressed for 10.4 Final.

Spatial Analysis

- When using any of the spatial analysis functions within Summarize Data, if a group by field is specified the task will fail. This will be addressed for 10.4 Final.
- Labels are not displayed for spatial analysis result layers for Plan Routes and Connect Origins to Destinations. This will be addressed for 10.4 Final.
- On Linux, the spatial analysis function Extract Data will fail. This will be addressed for 10.4 Final.
- KML Layers cannot be used as input to Analysis. This will be addressed for 10.4 Final.
- Summarize Data analysis functions will fail if user profile is set to French. This will be addressed for 10.4 Final.

Tools

- The CreateAdminAccount tool always fails, reporting that the supplied username already exists. This will be addressed for 10.4 Final.