

ArcGIS 10.3 Prerelease Release Notes

Learn about the changes and limitations currently in ArcGIS 10.3, as well as what functionality is under consideration for future releases.

What's new in ArcGIS 10.3

[Click here](#) to learn about what's new in ArcGIS 10.3.

Known limitations and issues

There are a number of known limitations and issues in the current release of ArcGIS 10.3.

Analysis and geoprocessing

3D Analyst

- BUG-000082201 - Unable to use Esri Optimized LAS (zLAS) as input to LAS To Multipoint geoprocessing tool. As a workaround decompress zLAS to LAS and use that as input.
- BUG-000082210 - Set LAS Class Codes Using Features geoprocessing tool does not support all LAS 1.4 class codes and flags.

Spatial Analyst

- BUG-000082258 Kernel Density when the input dataset spatial reference is in feet or in meters the output default units are incorrect.
Workaround: Specify the output area units specifically, do not use default values.

Raster

- BUG-000082208 Some HDF5 image's coordinate systems are read incorrectly. This includes but not limited to data products from MOPPIT, MISR, and TES.
- BUG-000082209 Raster layer with Vector Field renderer cannot be published as map service.
Workaround: save a layer that contains the vector field renderer and publish the layer as an image service.
- BUG-000082211 When adding the python adapter function to the function template editor the name and description do not get updated.

Databases

Altibase

- ArcGIS Server Feature Service not supported for Altibase.
- Implement a workaround for Altibase bug where GRANT SELECT ON <sequence> TO PUBLIC, doesn't work.
Workaround: Due to Altibase bug BUG-38451 (privileges error) object level privileges granted to public will not work and will need to be granted individually to users other than the data owner using ArcCatalog (not from database directly). When this operation is done using ArcCatalog the user (non-owner) gets permission on the business table as well as related objects also (sequences etc.). This bug is resolved in version 6.1.1 by patch 6.1.1.4.4, and in version 6.3.1. by patch 6.3.1.2.1

DB2

- BUG-000082181 Copy/pasting German data into a UTF-8 database results in a "attribute column not found" error.

Informix

- NIM090378 The CreateDatabaseConnection_management tool used in Python scripts does not preserve the DATABASE property.
Workaround: Existing connection files are not affected and can be used. This only applies to scripts that create new connection files.

Oracle

- BUG-000082213 libst_raster_ora.dll does not have a signed certificate. This will prevent successful implementation of the ST_Raster type in Oracle on Windows
- NIM096391 Unable to identify features from a view created using the Create Database View tool.
- NIM098077 ArcMap crashes when trying to identify or zoom to a feature from the attribute table of a database view created in ArcCatalog and altered using SQL and a stored procedure.
- NIM098196 Exporting SDE schema using Oracle expdp generates ora-39127, ora-20098 and ora-06512 error about the spatial index created on GDB_items table having the st_grids parameter as commas when Oracle 11gR2 is used.
Workaround: Drop the spatial index on GDB_ITEMS table before export.

PostgreSQL

- BUG-000082186 When added to ArcMap, an empty PostGIS layers default to a point instead of unknown entity type.
- BUG-000082187 Issues related to sequence supporting an auto-incrementing column for PostGIS and Query Layers.

- BUG-000082188 editing a PostGIS layer through FeatureService requires a st_geometry installation.
- BUG-000082184 Connections to PostgreSQL cache the port number.
- NIM091950 Geodatabase log file tables are created under the database default tablespace instead of the dbtune ##LOGFILE_DEFAULTS tablespaces.
- NIM104196 When using PG_GEOMETRY storage and the feature includes M values, the following error message is displayed: "Error: The specified coordinate exceeds the valid coordinate range."

SAP Hana

- ArcGIS Server Feature Service not supported for SAP HANA.
- HANA: grant and revoke privilege fails with "not implemented" error.
- HANA table list does not list views.
- HANA: filter out tables with "." in its name to avoid potential issues caused by fully qualified name parsing.
- HANA: Delete column fails with SQL syntax error.

SQL Server

- BUG-000082212 libst_raster_sql.dll does not have a signed certificate. This will prevent successful implementation of the ST_Raster type in SQL Server.
- NIM082672 Creating/Enabling a geodatabase fails when the database uses a supplementary collation.
- Enable SQL Access is not enabled after manually deleting a versioned view in the DBMS.

Teradata

- ArcGIS Server Feature Service not supported for Teradata.

.NET SDK

1. Add-in Templates do not compile in Visual Studio 2013

Workaround:

The Addin templates will compile on Visual Studio 2013 if Visual Studio 2012 has previously been installed to your machine.

2. The ArcObjects snippet category does not load in the ArcObjects SDK Code Snippet Manager for both Visual Studio 2012 and 2013

Workaround 1:

Use the Snippet code posted to Online.

All snippet code shipped with the ArcObjects SDK is also available online within the ArcObjects API Reference for .NET: <http://resources.arcgis.com/en/help/arcobjects-net/componenthelp/> . Look under the IDE integration Snippet code section.

Simply copy and paste the desired snippet code from the snippet pages online into your .csproj or .vbproj project source files.

Workaround 2:

Use the Visual Studio Code Snippets Manager

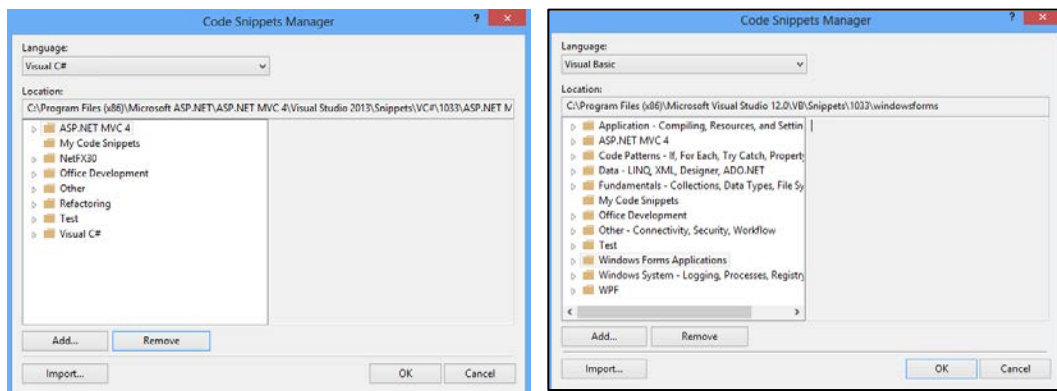
Snippets are installed locally on disk at:

\\Program Files (x86)\\Microsoft Visual Studio 11.0 (Visual Studio 2012)

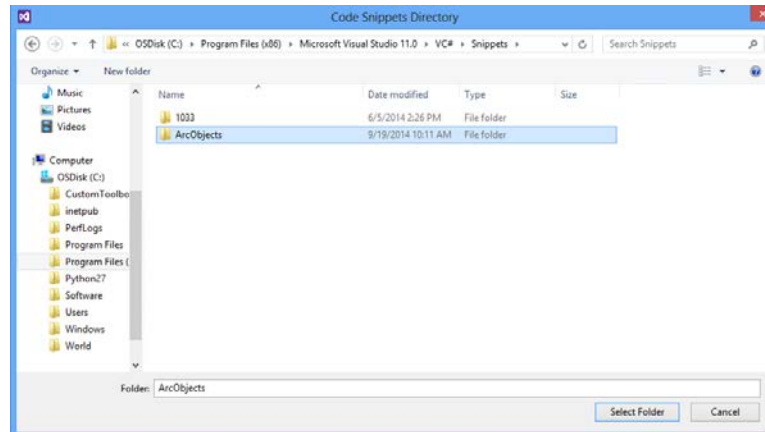
\\Program Files (x86)\\Microsoft Visual Studio 12.0 (Visual Studio 2013)

For Visual Studio 2012 and 2013 respectively. Snippets are added to Visual Studio Code Snippets Manager as follows:

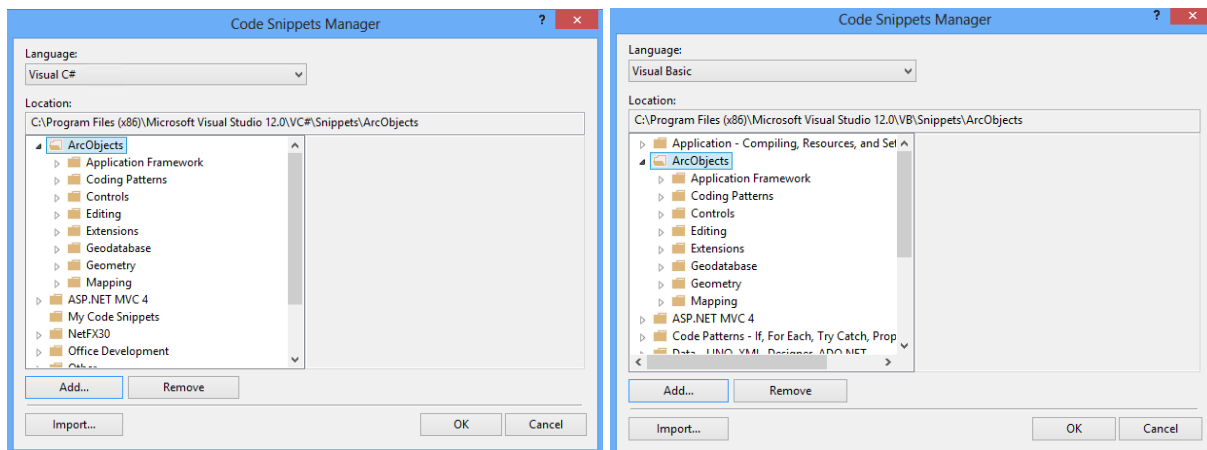
1. Open Visual Studio 2012 or 2013 and navigate to Tools> Code Snippets Manager...
2. In the Code Snippets Manager window, Select the language from the Language combo box as Visual C# or Visual Basic and click on the “Add...” button.



3. For Visual Studio 2012 browse to:
 - a. C:\Program Files (x86)\Microsoft Visual Studio 11.0\VC#\Snippets for VC# snippets
 - b. C:\Program Files (x86)\Microsoft Visual Studio 11.0\VB\Snippets for VB snippets
4. For Visual Studio 2013 browse to:
 - a. C:\Program Files (x86)\Microsoft Visual Studio 12.0\VC#\Snippets for VC# snippets
 - b. C:\Program Files (x86)\Microsoft Visual Studio 12.0\VB\Snippets for VB snippets
5. Select ArcObjects and click on “Select Folder”



6. C# or VB ArcObjects are now displayed in the Code Snippets Manager
7. Click OK to save the changes.



(Note that the screens will look a little different depending on whether you have Visual Studio 2012 or Visual Studio 2013)

Licensing and Copy Protection

License Manager

- Transfer of licenses is not functioning correctly. Only one seat can be transferred at a given time. Workaround: none.
- Offline deauthorization, repair, or 10.0-10.3 license upgrade instructions in the Software Authorization Wizard need to be updated to use My Esri portal. Workaround: Browse to <https://my.esri.com/#/activations/secure-site> and login to proceed with offline deauthorization, repair, or 10.0-10.3 license upgrade.

Operations Dashboard for ArcGIS

Browser App:

- BUG-776 - On iOS 8 tablet, if a tab is added next to another tab with a view, after the adjacent tab is closed, a white space appears at the bottom of the view. To workaround, user can rotate the tablet to change from landscape to portrait, and then rotate again to change it back to landscape. This would force a refresh of the page and eliminate the white space at the bottom of the page.
- Bug-717 – On touch device, after tapping on a few items on the legend of a Pie chart, one of the items will stay on the “selected” status.
- Bug-630 – Browser zoom level: if user sets browser’s zoom level to be less or more than 100%, the panel buttons may appear overlapping widgets space. Workaround is to reset browser’s zoom level to be 100%.

ArcGIS for Windows Mobile 10.2

Geoprocessing Tools

- ArcGIS for Windows Mobile 10.2 setup will not install the Mobile Toolbox and their geoprocessing tools.

ArcGIS App

- The ArcGIS app will not synchronize content with a feature service if both the data source includes both attachments and archiving.

Portal for ArcGIS

Portal

- The Portal setup for both Windows and Linux does not yet support upgrading an existing 10.2.x Portal.
- The properties of hosted feature service cannot be edited in ArcGIS Server Manager.
- The Portal command line utility in 10.3 pre-release to Create User accounts requires a user's role type to be specified as account_user or account_publisher or account_admin. In 10.2.2, the command line utility accepted role types in the format org_user or org_publisher or org_admin. As a result, a user input file that worked with 10.2.2 will not work in 10.3 pre-release. Workaround if you would like to use your input file from 10.2.2: Open the user input file in a text editor and use the replace tool to replace occurrences of the string “org_” with “account_”.

Enterprise Groups

- Refreshing the membership (Portal Admin→Security→Groups→refreshMembership fails if one of the Portal enterprise users does not exist in the corresponding Active Directory or LDAP enterprise system. This does not impact the UI but when an enterprise group is created, the refresh will not complete successfully and an error will appear in the logs.
- Refresh membership for enterprise groups fails if the enterprise username contains an '@' character.
- The 'getUsersWithinEnterpriseGroup' operation fails to return users within nested groups. This impacts adding members from an enterprise group.
- Last Login not populated with web-tier authentication, this includes IWA, PKI, basic authentication

SAML

- Logging into Server Manager, for a Server that is federated or hosted, does not work with SAML logins.
- IWA (Integrated Windows Authentication) to SAML migration fails. Currently any existing IWA users will need new accounts to login via SAML.

Web AppBuilder

- The Directions widget fails when using a secured routing service from a GIS Server other than the Portals hosting server.
- Grouped widgets will be missing after downloading and deploying an app.
- There are several user interface issues when the Portal is configured to use right-to-left languages (Arabic and Hebrew).
- Feature collection layers added from Portal will not display in the map.
- The Description menu in the context menu of Layer List widget does not work.

3D Scene Services

- Only billboarded point symbols, without real-world size units, will be published to a web scene with the same symbology
 - All 3D symbols (in real-world size) will be converted to spheres
- Point layers that use an attribute or expression for their height values will be placed on the ground
- 2D point layers, that are being drawn rasterized and draped on the ground, will convert to billboarded symbols
- 3D labels are not published / supported to the web scene viewer
- Popups are not published / supported in the web scene viewer
- Publishing polygons is broken (Pre-Release only)
- Publishing extruded layers is not yet supported
- Publishing Preset Layers (e.g.: Thematic Trees) is not yet supported
- Publishing multipatches (e.g.: building layers) is not yet supported
- Opening a web scene back inside Pro might have unexpected display issues
 - For example, the anchor point location for point symbols is reset to default (center)
 - Also, web scene layers are always brought back into the '3D' category in Pro

Functionality being considered for the first release and beyond

The following functionality is under consideration to be available during the beta cycle or following the first release.

Analysis and geoprocessing

3D Analyst

- Esri Optimized LAS (zLAS) supports LAS 1.4.
- Three new geoprocessing tools, currently available only in ArcGIS Pro, will be exposed in all applications. These are Locate LAS Points By Proximity, LAS Point Statistics By Area, and Classify LAS By Height.

Spatial Analyst

- The Sample tool will support multidimensional netCDF raster layer.

Licensing and Copy Protection

License Manager

- The License Manager Software Authorization Wizard needs to support silent authorization for Pro named user licenses. Workaround: none.
- The License Server Administrator needs to show more information on Pro Named User licenses (View License Usage). Workaround: parse license manager audit and debug logs for information.
- As is already done for Desktop concurrent licenses, the LSA needs to provide a warning message when Pro named user licenses are about to expire. Also, once Pro named user licenses have expired, this should be indicated in the Availability display and the counts adjusted accordingly. Workaround: none.