



Last Updated 05/31/12 - ArcGIS 10.0 Service Pack 5 is planned to be available in July 2012. SP5 includes many fixes since the release, the targeted issues are listed below.

Esri will be updating this list periodically with additions and other changes. If you have any feedback or questions regarding this list please post in the appropriate technology forum located at:

<http://forums.arcgis.com> Esri staff will be monitoring these forums and respond to your feedback.

If you have additional enhancements or ideas that you would like to see included in future service packs or releases, please post them on the ArcGIS Ideas site:

<http://ideas.arcgis.com>

**NOTE: The following list is subject to change. Esri recommends proper evaluation of the fixes before applying a Service Pack.**

### ArcGIS Desktop (134)

- NIM034506 - Unable to see all networks listed in Disable Layers list if map document contains a large number of networks.
- NIM043616 - When specifying an outer radius to limit the area of the calculation, the visibility result is incorrect.
- NIM045325 - Geographic raster and vector data as an input to the Viewshed Tool results in a raster where every cell is visible when a Z factor is applied.
- NIM045329 - Using the Viewshed tool with vector and raster data in a Geographic coordinate system without a Z factor produces almost the same output as the data in a projected coordinate system, when it should be different.
- NIM055586 - Allow ArcGIS Desktop to switch the culture property for Bing Maps content
- NIM057475 - Calculate Geometry for Text field gives incorrect results along Latitude 4 Degree South.
- NIM058271 - Reshape Edge Task overwrites Z-values of vertices for polygons with a large number of vertices.
- NIM059752 - Unable to identify features from WMS served from the 'MapServer' product.
- NIM060998 - 'Join data from another layer based on spatial location' works with feature classes in a Geometric Network, but the Spatial Join geoprocessing tool cannot use these same feature classes to perform a Spatial Join.
- NIM062517 - Print preview and print fail to honor excluded layers in data driven pages.
- NIM063426 - Wrong label given to new toolbox stored in geodatabase.
- NIM064296 - Browsing to a folder with many subfolders is slower in ArcGIS 10 than it is in ArcGIS 9.3.1.
- NIM064736 - Editing polygons with picture fill symbology applied and zoomed into a large scale will cause ArcMap to freeze
- NIM065009 - Labels do not display when "Clip to current data driven page extent" is used and the labeled layer is within a excluded group layer. If the labeled layer is not a group layer and is excluded, the labels display fine.
- NIM067060 - In ArcGIS Version 10, IClone is not cloning IGeometry types as expected if it has Z values.
- NIM067321 - The performance of ArcGIS Server Version 10.0 map service, containing NetCDF raster layer, degrades after installing Service Pack 1.
- NIM067530 - The visible area on a viewshed output decreases when the viewshed parameter RADIUS2 decreases.
- NIM067660 - License failover with licenses on a Solaris box fails.
- NIM067820 - When copying features from an ArcSDE geodatabase to a file geodatabase using Copy/Paste in ArcCatalog TOC, the representations are not maintained.
- NIM068881 - ArcMap stops working when using the spatial Join tool in a Windows 7 environment.
- NIM068990 - The Iso Cluster Unsupervised Classification tool does not process correctly on certain TIFF images when the output is TIFF.
- NIM070253 - Running block statistics crashes ArcMap when run on a large raster with a large neighborhood.
- NIM070670 - The Slope tool hangs when writing a large raster dataset to ArcSDE.
- NIM070749 - Viewshed result does not show "not visible" pixels when the output format is .tif or .img.
- NIM071209 - The IRowEvents::OnChanged of a newly-created custom Feature is fired before the IRowEvents::OnNew.
- NIM071708 - Math tools in spatial analyst tools are not maintaining the Nodata value in the output if the Input layer is the NetCDF Raster layer.
- NIM072404 - NumPyArrayToRaster produces unexpected results when passed a view of a NumPy array.
- NIM072543 - The geoprocessing progress dialog window continues to utilize CPU if left open after the tool succeeds, if the tool was written in C#.
- NIM072572 - The Weighted Overlay tool loses values for % Influence in ModelBuilder when language and regional settings are set to Portuguese (Brazil).
- NIM073258 - When saving edits and rebuilding a large ArcSDE network dataset, the 'Matching Connectivity' phase takes a long time to complete (minutes) as compared to the other phases of the build (seconds).
- NIM073300 - Cannot add a rule to a composite relationship class with one-to-many cardinality in Version 10 SP2.
- NIM073717 - The Viewshed tool on a multipoint feature crashes ArcMap.

- NIM074114 - Runtime properties are not applied to Composite locators published to ArcGIS Server.
- NIM074169 - "Rotate marker symbols with data frame" box in ArcMap Advanced Settings does not work in SP3. The marker symbols always rotate even when not selected.
- NIM074175 - The unit picker for the absolute X, Y command loses the default option if a different unit is selected and used.
- NIM074305 - Sort is failing on Discovery server due to license issue.
- NIM074315 - When using a Version 10.1 client to save a copy of an MXD file with a parcel fabric to a 10.0 version, it causes ArcMap 10.0 to crash.
- NIM074485 - After successfully synchronizing newly created features, these records are not subsequently deleted from the child feature class when deleted in the parent and synchronized in a 1-way replica with archiving enabled.
- NIM074916 - There is a security vulnerability issue with TeeChart ActiveX (Version 8) used in ArcGIS 10.0.
- NIM075375 - A Least Squares Adjustment does not recognize active control points with the same Name, Error: There are not enough active control points to continue. Please add or activate at least two control points.
- NIM075497 - Data error re-occurs after posting to sde.default - the fixed junctions connectivity data is not posted to the parent, after it has been fixed by rebuilding the connectivity at the junction feature.
- NIM075624 - Exporting datasets within ArcCatalog GUI increases conversion process, feature class of database has no option to suppress domains.
- NIM075759 - SDE connection information is not preserved in an MXD if a Universal Naming Convention (UNC) path is used.
- NIM076031 - The selection chip does not select the feature specified in the list of selectable features drop-down.
- NIM076153 - The Select by Location tool used on multiple layers will be run on the full extent of a feature class if the selected set is stored in the ArcSDE logfile tables.
- NIM076186 - The Join Field geoprocessing tool called from Toolbox or Python results in null values for some records.
- NIM076197 - ArcCatalog crashes when attempting to open the Set Data Sources dialog box on a Version 10.1 map.
- NIM076441 - Manually changing the size and position properties of two or more selected graphic elements in layout view makes no change.
- NIM076495 - The Layer to KML and Map to KML geoprocessing tools crash ArcCatalog if the line feature class has representations.
- NIM076505 - Reconciling one particular version with Default by attribute and in favor of target version gets an error.
- NIM076741 - Curved line segments stored in an SDE database are irregular when compared to same features created in a file geodatabase.
- NIM076994 - When an item's metadata is exported to a standard format, all bounding boxes typed into the editor will be exported even if they use projected coordinates. Preference should be given to the geographic extent added by synchronization, and only consider exporting other extents if it is appropriate to do so.
- NIM077025 - Zonal histogram fails to execute with output info or dbf table and graph name specified.
- NIM077135 - The Validate Topology in Current Extent tool crashes ArcMap.
- NIM077224 - Cannot view or export reference system information for a data source listed in the item's lineage.
- NIM077274 - Scale/Rotation is not being written for unclosed parcels; it always says 0,1 regardless of rotation/scaling.
- NIM077288 - Running Standardize Addresses via Python causes memory leak.
- NIM077295 - In the Table to Ellipse tool, if the input Major and Minor fields are Long Integer types, the output is empty geometry.
- NIM077306 - Passing a password to the BaseMapLayer programmatically fails to load the layer into the MapControl.
- NIM077518 - Annotations with CJK character orientation enabled are not drawn correctly in basemap layers or MSD based services following the hotfix QFE-10SP3-DTE-217765.
- NIM077752 - Reconcile fails if the Split tool is used at different locations on the same complex edge in multiple versions.
- NIM077753 - With a particular workflow, an edge may be deleted on reconcile when the child wins scenario is used.
- NIM077815 - Snap Raster Environment setting is not honored with the Natural Neighbor interpolation tool.
- NIM077825 - When using parcel editor's manual edit mode, circular arcs may be corrupted on workflows that use parallel offset prior to a parcel merge.
- NIM077829 - Querying a joined dataset using a joined field creates the wrong selectionset.
- NIM077846 - The reconcile error "Null Z Value" occurs on a dataset due to an invalid/missing centerpoint.
- NIM077888 - When creating feature-linked annotations from selected features inside scale reference, annotation elements are "squashed."
- NIM077928 - The OnMessageAdded method of the IGeoProcessorEvents is never called.
- NIM077935 - Scales are set to 0 when saving to XML on a geographic parcel fabric.
- NIM078014 - The Fillet dialog box that appears when creating a new feature is occasionally crashing ArcMap.
- NIM078057 - Encountered an error: "Geometry cannot have z values, Failed to execute (Idw)" when 3D point feature class is specified as an input data along with 'Input barrier polyline features' parameter while running IDW tool.
- NIM078095 - With the Polyline (M-enabled) Plugin Data Resource loaded in ArcMap, clicking the Identify Route Locations tool causes ArcMap to crash.
- NIM078295 - ArcGIS Desktop crashes when deleting domains using the Delete key a number of times.
- NIM078315 - ID values for ID-enabled geometry are reset to 0 when a vertex is moved during editing.
- NIM078367 - Changing Store Relative Path Names does not change the paths for Version 10 locators.
- NIM078571 - Code exported from the Python window includes a NUL character at the end of the .py (or .txt) file. Code cannot be run as is.
- NIM078941 - When the Advanced Check Box is checked on the Label Expression dialog box, Function (null) is returned.
- NIM078953 - When repairing broken data sources that use joined fields for symbology, the symbology reverts back to single symbol after it is repaired.
- NIM079027 - In one-way archiving, delete of added feature does not synchronize for disconnected case.
- NIM079040 - The Create Composite Address Locator tool does not map fields correctly when using the tool from Python or .NET.
- NIM079064 - Geoprocessing -Spatial Join in a model crashes ArcMap and creates an empty output.

- NIM079090 - K Function permutations to create Confidence Envelopes are not using simulated points.
- NIM079126 - The Spatial Join tool produces NULL results for some fields/some features on ArcGIS 10 SP4.
- NIM079326 - Users may experience slow performance when using unclosed parcels to split closed parcels.
- NIM079398 - The Surface Contour tool creates an empty feature class when using a newly added pyramid level as the pyramid level resolution.
- NIM079457 - A map document that opens in Version 9.3.1 crashes when opened in Version 10.
- NIM079458 - The Mean Center tool in the Spatial Statistics toolbox does not execute successfully in a Chinese environment.
- NIM079479 - Removing the curve on a parcel does not remove the curve in the database.
- NIM079511 - The FeatureToRaster tool crashes when an input feature class does not have an extent.
- NIM079524 - Route solver cannot find path in one case with hierarchy ON and oneway restriction OFF.
- NIM079651 - In a GA layer created with a dataset that includes coincident points, recalculation is done when .mxd is opened or .lyr is added to ArcMap.
- NIM079652 - Examine bivariate distribution y-axis label is incorrect.
- NIM079744 - Reconcile fails with an "Invalid geometry" error due to coincident orphan and user-defined junctions, when there is a network inconsistency with one of the connected edges.
- NIM079810 - TopoSink class in arcpy\sa\ParameterClasses.py is not working.
- NIM079821 - When an item's metadata is exported to either the FGDC CSDGM metadata XML format or the ISO 19139 metadata XML format, there are problems handling some dates and times.
- NIM079822 - If a Content Type classification is provided in an item's ArcGIS metadata, but a Distributor Contact has not been provided, the Content Type value is not exported to the Resource Description element in the FGDC CSDGM Distribution Information section.
- NIM079823 - When importing ISO 19139-format metadata XML files to ArcGIS, a few metadata elements are not imported correctly.
- NIM079827 - After 9.3.1 ESRI-ISO format metadata has been upgraded to the ArcGIS metadata format or after ISO 19139-format metadata has been imported, numeric codes such as "002" may appear in tag or keyword lists.
- NIM079828 - When displaying an ISO 19139-format XML file, the gco:nilReason attribute and its value will not appear when it is associated with an element that would normally contain a codelist value.
- NIM079829 - When viewing an ISO 19139-format XML file in the Description tab, if a GML Description Reference element is present, the contents of its xlink:href attribute will not be displayed.
- NIM079830 - Some metadata scope codes do not display successfully in ArcGIS in the Description tab, and also do not import successfully from the ISO 19139 format.
- NIM079831 - If an ISO 19139 XML file contains a ArcGIS/Geoportal Content Type as a keyword, this information is not imported properly as a Content Type; it is only imported as a keyword.
- NIM079832 - The ArcGIS itemName metadata element may contain user and schema/database name for items stored in an RDBMS. The XSLT "remove local storage info", which is provided with ArcGIS Desktop, should remove user and schema/database names, if they exist, to avoid possible security problems when data is published.
- NIM079833 - When exporting ArcGIS metadata to the ISO 19139 format, some content should be handled better for the INSPIRE metadata style.
- NIM079834 - When exporting an item's metadata to the ISO 19139 format, only export the number of features if the count is >0.
- NIM079837 - Raster Calculator does not take mosaic dataset layer as input.
- NIM079858 - TableToTable, FeatureClassToFeatureClass; concatenating field values using the fieldmappings does not honor the order of the fields set in the parameter.
- NIM079861 - Python window Intellisense for drop-downs only works with map layers, not with full paths.
- NIM079862 - Python window drop-down list is too narrow.
- NIM079904 - Allow users to change default Home folder location.
- NIM079909 - When providing a contact's address in an item's metadata, if you set the country to "Empty" in the drop-down list, the string "Empty" is saved as the country.
- NIM079913 - When describing fields in an item's metadata, text typed into the Value Measurement Frequency and Value Explanation elements is not saved.
- NIM079914 - RastertoNumpy does not upcast the array dtype based on the appropriate value specified by the ValueToNodata parameter.
- NIM079915 - When editing an item's metadata, an empty bounding box element is added to each extent section that does not already contain a bounding box.
- NIM079923 - When Keyword Thesaurus information is removed from an item's metadata content, the ArcGIS metadata editor deletes the associated keywords as well as the thesaurus.
- NIM079924 - Reject fractions greater than .9 appear to be applying a > rather than a >= to the specified reject fraction (or confidence value).
- NIM079931 - After upgrading 9.3.1 FGDC metadata using ArcGIS 10.0 SP4, the upgraded use constraints are not available on the Item Description page under the Use Limitations heading. They are only available on the Resource > Constraints page under the General Constraints heading.
- NIM079950 - MultipartToSinglepart crashes with certain curve geometries.
- NIM079961 - The size of the script of an attribute script should not be limited.
- NIM079972 - Node reduction rules do not compute a new distance ratio for the NOLs associated to superspan links, when the option "Keep vertices" is cleared.
- NIM079990 - Tools with field mapping (FeatureClassToFeatureClass, Merge, etc.) that use layer with field renamed in FieldInfo have strange field mapping behavior and null values in output fields
- NIM079992 - Using referenced data, Parcel Remainder throws a Construction Method Error in 10.0 and causes unexpected results in 10.1.
- NIM079993 - Performing Remainder causes the parent parcel to regenerate, losing its shape on the curve.
- NIM079994 - When joining to control points an association is made but it does not get pushed properly to the database.

- NIM079999 - Property putref\_ReferenceLink of interface ISchematicInMemoryFeatureNodeOnLink does not always work properly.
- NIM080026 - Definition Query fails with large Long integers in 10.0 SP4.
- NIM080027 - Audit log path is in wrong location on Solaris/Linux License Manager.
- NIM080047 - When virtualOutputFolder is secured at 10.1 ArcGIS Server, mapServiceLayers are not displayed in 10.0 client.
- NIM080049 - Maplex crashes during map caching operations in some cases when very small polygons are encountered.
- NIM080050 - Only simple Fill symbols are working with halos on text symbols.
- NIM080051 - Text symbols drawing with a fill symbol other than simple fill symbol bleed into areas outside the geometry.
- NIM080641 - Documentation updates for 10.0 SP5
- NIM081033 - The spatial reference option is missing when editing metadata in ArcMap 10 Service Pack 4. This is found in INSPIRE, ISO 19139, ISO 19115 2003.
- NIM005208 - Spelling error in MIME type for header from GIS Client requests to a MapService.

### ArcGIS Engine (7)

- NIM071529 - Equivalency issue with PageLayoutBean with EngineRuntime ServicePack 2.
- NIM072566 - When a map has a basemap layer, the layers underneath the basemap layer do not return in the table of contents hit test (TOCBean.hitTest).
- NIM076245 - In the ArcReader Ink toolbar, the Markup Pen palette and Eraser tool palette do not activate from the menu icons. They must be started from the drop-down menu.
- NIM076711 - AccessViolationException occurs in a workflow where dynamic display is being used and the underlying MXD is being switched with different map documents.
- NIM076807 - Memory is not released after using GC.Collect() and axMapControl.Dispose() methods when dynamic display is on.
- NIM078811 - ArcReader "pmf" files will open the app, but not the map.
- NIM079290 - There was instability when an ArcGIS Engine application written in Java got migrated from 9.3.1 to 10.0 on Linux.

### ArcGIS Server (14)

- NIM047107 - Cannot retrieve GPJobMessage when adding ArcGIS Server SOAP Web Services WSDL as a "Service Reference" in VS 2008.
- NIM054549 - Add identify tolerance configuration for ArcGIS server WMS services
- NIM065363 - Map images generated in the \ArcGISOutput directory will exceed the pixels value set in the <MaxImageHeight> or <MaxImageWidth> elements in the config file of MSD based map services.
- NIM065449 - Validate edits made to Feature Service to escape characters that are potentially unsafe
- NIM073555 - In a REST enabled custom SOE (Server Object Extension), the input parameters to the REST operation are preformatted or altered. Examples of impact include zip codes with leading zeros and asset IDs including leading zeros.
- NIM076829 - ArcGIS Server should disallow invalid query parameters in Find operation.
- NIM076945 - "QueryRelatedRecords" operation in REST performs very slow after adding definition query in ArcMap layers participating in a relationship class.
- NIM078915 - ArcGIS Server 10 for Java SP4 ships with JRE build 1.6.0\_16-b01. Customer security policies state that JRE build 1.6.0\_31 is required.
- NIM079996 - Find does not return results when search text contains an apostrophe (').
- NIM080012 - Validate input values before writing to Services Directory.
- NIM080043 - Input value in scientific notation is not accepted. Same request works in 10.0.
- NIM080044 - Enable View in ArcGIS.com link when a service is secured with token based security
- NIM080045 - REST login fails when the login URL is https and it has a redirect URL which is http.
- NIM080046 - HTTP POST does not work when accessing result (f=image) from a geoprocessing service that has an associated MapService.

### REST API (.Net) (6)

- NIM075661 - The "Content-Type" header shows incorrect MIME type for a .KMZ file while capturing HTTP Response Headers from the ArcGIS Services Directory.
- NIM077057 - The ArcGIS Server REST Admin/Login page uses unvalidated open redirects.
- NIM077184 - Cookies used in ArcGIS Server should include the HttpOnly and Secure attributes.
- NIM077193 - Please consider implementing a top location check in the REST login pages.
- NIM077195 - Please consider implementing a top location check in the 'gettoken' page.
- NIM077272 - The MaxAllowableOffset parameter is not culture invariant.

### ArcSDE (11)

- NIM063576 - Getting ORA-21500 error code when using QueryLayer to query st\_geometry table created by sde.st\_pointfromtext function.
- NIM064935 - Spatial Type for Oracle: Attempting to create multiple partitioned tables using identical partition names will cause the creation of a local spatial index to fail.
- NIM065007 - Gathering statistics on a large partitioned table can hang because of the attached query.
- NIM067847 - ST\_Raster's buildPyramid or buildStats function crashes the SQL Server instance if the ArcSDE Version 10 geodatabase was installed in a Windows 7 or Windows 2008 operating system.
- NIM076079 - Creating a spatial index from SQL should return an SE\_INVALID\_GRIDSIZE error when the grids specified are inappropriately too small or large.
- NIM076673 - An error should be returned when retrieving BLOBs (binary large objects) and the operating system is unable to allocate enough memo

- NIM078447 - Update the existing geoprocessing Migrate tool and sdelayer-o migrate command to detect and fix any ST\_GEOMETRY features that are in a mixed precision state.
- NIM079261 - Remove the dependency on the Oracle EXTPROC when migrating data from SDO-GEOMETRY to ST\_GEOMETRY to resolve issues with the migrate.
- NIM080024 - <DB2/INF> Problem with cached TABLE\_REGISTRY cursors.
- NIM080028 - INF: network I/O error during raster checksum test on Windows.
- NIM080370 - PostgreSQL: ArcGIS 10 clients must be able to create, import, or paste feature classes into a 10.1 geodatabase.

#### **Other (6)**

- NIM071688 - 1-bit tiffs appear grainy and washed out in mosaic datasets. Building overviews causes an even greater loss of data.
- NIM075538 - Some valid pixels in 4-band TIF images are displayed as NoData.
- NIM077155 - Memory leak that causes a database lock to not release.
- NIM078975 - IQueryName2::Open fails with a ComException at ArcGIS Desktop SP3 and SP4.
- NIM079508 - When displaying a raster layer with Bilinear and Nearest Neighborhood resampling methods, the Identify tool returns different values at some locations.
- NIM079879 - There is an error when creating a new fabric with a name that already exists in another feature dataset.