Last Updated: 07/08/10 - ArcGIS 9.3.1 SP2 is planned to be available in July 2010. 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

Both the following list and the availability of targeted future releases are subject to change at any time without notice. Users should plan accordingly and, if advisable, wait for the release of a given future release prior to making commitments.

ArcGIS Desktop

- NIM013082 - The Find dialog box can be very slow to open when a map server layer contains many sub-layers.
- NIM014000 - Enhance the capabilities of converting EMF picture marker symbols to representations
- NIM031270 - Selecting cartographic representation with the cartographic representation select tool takes an unusually long time to select.
- NIM035918 - Feature disappears from ArcGlobe display when viewed at certain angles.
- NIM036787 - WMS enabled map service is a little shifted (a pixel or two) against the original data when both are added into ArcMap. The shift is not present if WMS capability is not enabled for the map service.
- NIM036834 - If you have an exception that has a dirty area crossing it and validate the topology, the exception becomes an error.
- NIM036917 - AddJoin is ignoring the qualifiedFieldNames environment at 9.3. NIM036917
- NIM037043 - When a feature is selected, and a reference scale is used, the selected point feature ignores the reference scale.
- NIM038887 - Cartographic representation for line crashes ArcMap 9.3; works fine at 9.2
- NIM039914 - If a data frame contains one or more polygon layers symbolized with bar graphs, no attributes are included in the PDF export, even with the export option 'Export PDF Layers and Feature Attributes' selected.
- NIM041880 - Select by Attributes from joined field selects too many/incorrect records.
- NIM042869 - Near tool does not calculate values for Alaska data, if no search radius is specified.
- NIM043178 - ArcMap crashes when reconciling and memory increases to almost 2GB (virtual bytes).
- NIM043879 - Security vulnerabilities reported for Microsoft Visual Basic 6 files that get installed with ArcGIS Desktop.

- NIM045668 - Vector features at high elevations disappear when viewed from certain angles, particularly from below.
- NIM046125 - CopyRaster tool truncates long raster dataset name at ArcSDE 9.3.1 for SQL Server 2005 Service Pack 2/Service Pack 3.
- NIM046520 - Joining records to a historically versioned feature class produces incorrect results when the "Keep only 'matching records' option is enabled.
- NIM046840 - Using spatial join GP tool with feature classes having Z-values enabled, results in an empty output feature class in SDE.
- NIM046854 - Exported Map Georeference information is sometimes missing in the corners of the data frame in the PDF when the data frame is rotated in ArcMap. Negative data frame rotation will always trigger the problem, but certain positive rotation values can also cause it.
- NIM047044 - Empty outputs are not added to the display like in 9.2.
- NIM047109 - Spatial join in SDE geodatabase does not return any rows.
- NIM047273 - Graphics in a 9.3 or 9.3.1 map document are enlarged when saving the MXD as a copy for 9.0/9.1 versions of ArcMap.
- NIM047424 - Donut effect fails to draw all polygons when Method is set to True Buffer.
- NIM048174 - Reconciling an edited attributed relationship table, in favor of edit version, fails with error message when related feature has been deleted in the target version.
- NIM049865 - XY Event needs to set better xyresolution and xytolerance on the resulting layer.
- NIM050036 - NITF version 2.10 rasters stored in an 'Unmanaged' raster catalog does not display in ArcMap or preview in ArcCatalog.
- NIM050650 - Python Object ARCSDESQLEXECUTE returns encoded output when used on Solaris with ArcGIS Server.
- NIM050883 - When adding ArcGIS Server map services into ArcMap, the background color is not automatically made transparent.
- NIM051102 - Intersecting Layers Mask tool fails with "ERROR 999998: Unexpected Error.Failed to execute (IntersectingLayersMasks)" on a particular fairly simple dataset.
- NIM051159 - Update the error message for cases where a GDB release mismatch occurs during connection to a geodatabase.
- NIM051187 - Importing symbology using the .lyr file with broken data source results in error, "The import geometry type does not match destination geometry type", although the geometry type is appropriate.
- NIM051261 - IComplexEdgeFeature.JunctionFeature raises error in OnChange event when Edge-Edge rule exits.
- NIM051339 - The Representation Symbol is smaller than the feature layer symbol, which should not be the case as per the documentation in Representation_tutorial.pdf. Also, the quality of Representation Symbols is not as good as comapred to the feature class symbol.
- NIM051919 - NITFs created in ERDAS Imagine are not displaying properly.
- NIM052223 - Reconciling certain versions crashes ArcMap.
- NIM052264 - Feature Outline Masks tool crashes when running against lines or polygons symbolized without reps.
- NIM052265 - Conversion of EMF picture marker is resulting in unexpected line widths for stroke symbol elements.

- NIM052349 - Joined attributes are no longer visible in the Identify window if one of the layers is using Representations.
- NIM052365 - Relationship classes created between double data types in a File Geodatabase return inconsistent results when performing queries.
- NIM052587 - Representation class name information is lost when changing versions from Default to 'child' version.
- NIM053126 - Calling NAServiceAreaSolver.createContext resets the ImpedanceAttributeName property on the solver.
- NIM053235 - Calling the attributes property on the geoprocessing describe object for the network dataset causes a crash if the network dataset does not support turns.
- NIM053271 - ArcGIS Globe Memory Leakage when adding graphics. Memory never releases.
- NIM053713 - ArcMap may crash when reconciling version with hundreds of thousands of edits due to exhausted memory.
- NIM053775 - Some of the ESRI provided fonts may fail to draw halos or export to some vector formats.
- NIM053819 - A folder connection to an ArcIMS Server connection file does not display in ArcCatalog or ArcMap.
- NIM054059 - There is an ability to insert a vertex in an editing session when the scale difference between Data View and Viewer window is high.
- NIM054061 - Changing the data source of a layer, which has a join rendered with Representations from an SDE connection to a non-Data owner, results in an unknown representation class being listed.
- NIM054225 - Adding mole graphics to ArcGlobe and then refreshing or panning in/zooming repeatedly causes a memory leak that crashes ArcGlobe.
- NIM054377 - Hash line symbols have inconsistent spacing compared to cartographic line symbols
- NIM054602 - Relationship for table breaks during replica creation.
- NIM054726 - Converting character marker symbology to representations results in distored symbols. NIM054726
- NIM055192 - Reconcile in favor of target by object crashes when inserting geometry into null geometry points that participate in a geometric network.
- NIM055237 - Calculate Locations geoprocessing tool does not honor the parameter values for the location fields when run from a Python script.
- NIM055295 - Replace polygons need ISpatialIndex.AllowIndexing set to True.
- NIM055495 - Selected features stay selected when selecting features from a geodatabase feature class on any 64-bit OS when a shapefile or coverage is also present in the data frame after installing 9.3.1 Service Pack 1; not reproducible at 9.3.1 and 10.
- NIM055818 - Importing changes from a delta file with dominions data causes an error.
- NIM055901 - If a field is indexed, the join seems to be incomplete, but if the index was not present, then the join is complete.
- NIM056061 - WCS service from GDB service returns all nodata on 1.1.0 and 1.1.1 version connections.
- NIM056097 - SaveAsCopy to 9.3 MXD does not save the Orthorectification information from a 10.0 project.
- NIM056157 - After exporting the shapefile to a personal geodatabase feature class, the value for the geometry's grid is not correctly calculated; this results in the features disappearing in random map scales.
- NIM056158 - Report Class Name and OID when reconcile fails with "geometry corresponding to edge element may not be zero-length".
- NIM056173 - Exporting a larger volume of changes may fail for some data models.
- NIM056174 - ArcGlobe shows visualization artifacts using image service with the NorthWest mosaic method.
- NIM056177 - Text symbols that have character width property set to greater than or less than 100.0 will not export correctly to EPS Level 2 with font embedding turned on
- NIM056239 - Polygon labels are not placed for this specific map in optimized map services with the standard label engine.
- NIM056289 - Reconcile fails with the error, "Feature is deleted. The operation was attempted on an empty geometry."
- NIM056459 - Importing changes from a delta file with lots of changed feature classes or tables can cause a crash.
- NIM056608 - VRP solver has memory leak.
- NIM056647 - Update ArcPress driver auto-selection to recognize new 2010 HP Designjet printers.
- NIM056710 - Memory leak in the in-memory feature class.
- NIM056712 - Update ArcPress to include support for the new 2010 HP Designjet printers.
- NIM056870 - 9.3 Image service WMS does not support XML format for exceptions and returns an error if accessed using ArcGIS 10 as client.
- NIM056999 - If the Representation of the point features is panned outside of the data frame, it will not be continuously displayed until bringing most of the representation back into the data frame.

ArcGIS Engine

- NIM047606 - PointPluginDataSource Java sample causes ArcMap to hang when two layers from same directory are added sequentially.
- NIM051906 - IDynamicCacheLayerManager Init causes an exception when trying to initialize a GroupLayer and a Feature Layer when both are placed at the root level node in the TOC.
- NIM056058 - In ArcReader, two '-' minus symbol tool icons (for zooming out) appear on the control menu. This occurs only when 3D .pmfs are open.

ArcGIS Server

- NIM042583 - A KML file generated from REST query server and KML Server do not display features in Google Earth, if the layers in map service have a geometry field named something other than SHAPE.
- NIM045617 - Character marker symbols chosen from some custom true type fonts change when previewed and saved as a map service definitions and viewed
- NIM048865 - [Linux]: Informix Direct Connect does not work for Linux ArcGIS Server; this problem occurs in 9.3.1 Final and 9.4.
- NIM049389 - ArcGIS Server WMS Service layer in ArcMap does not render at the scale range set in the .mxd.
- NIM049466 - Web Service Handler is not working as expected on WAS 7.
- NIM051258 - EngineContextTimeout does not affect the Timeout value for EmptyServerContext.
- NIM051504 - If the map has a background color set, the cache generated on demand does not honor it and is not set correctly in the tiles generated. The result is inconsistent transparency behavior when previewing these cached services.

- NIM052355 - SOAP requests returning non-English characters including map identify with Arabic characters do not work with some clients such as Microsoft Visual Studio.
- NIM052700 - Korean fonts do not allow ArcGIS Server Services .Net to start on Windows 2003 Korean edition.
- NIM052721 - Update Java REST API in 9.3.1 Service Pack 2 to not generate ETags by default for tiles fetched from cached map services.
- NIM052853 - Round-robin or failover configuration do not work as expected.
- NIM054974 - MapService Query operation fails when SHAPE field is included in the list of outfields and returngeometry is also set to true.
- NIM055054 - ArcMap needs to extend the HTTP time-out in order to process large export/print requests.
- NIM055580 - ArcGIS Token Service page to get token should use HTTP POST instead of HTTP GET.
- NIM056474 - When javaconfigtool.exe is run on Linux, it fails with error "VMWLM0301: MainWin license server not found".
- NIM056768 - Check Out fails when Server Log Level is set to anything higher than Normal when trying to create a replica from a Geodata Service.

.Net Web ADF

- NIM049896 - The ArcIMS TCPConnection crashes the IIS Application pool if the first initial connection fails.
- NIM051455 - Floating panel and task dialogs move unexpectedly when touching the left or right edge of the browser when using DIR=RTL mode applications in IE6 and IE7
- NIM054547 - Transparency in a Web application is not honored for PNG32 image type when the service is an MXD-based dynamic map service.

REST API (.Net)

- NIM053837 - Rest URL response with Sitemap parameter grows with every page refresh.

Image Server

- NIM041813 - Add Image Server Connection dialog box does not show metadata when loading service through a supplementary provider.
- NIM046875 - Unable to add an SDE raster to a service when the SDE connection resides outside of the user profile's ArcCatalog folder under Application Data.
- NIM046964 - Cannot add ArcSDE data unless connection is stored within the Database Connections list in ArcCatalog.
- NIM050802 - Certain TIFFs are not able to be imported into Image Server 9.3.1.
- NIM053653 - The 'Service Editor' Section of 'System requirements for ArcGIS Image Server' in the Web Help for ArcGIS Desktop 9.3 needs to be corrected.
- NIM053953 - Need to support WMS map layers in image service definitions.
- NIM054629 - Cannot start service providers in a distributed install of Image Server when the Server Manager is located on a Windows 2008 Server.
- NIM055274 - ISCommand GetImage results in output images containing small wedges of zero values.
- NIM056524 - Metadata is not displayed if Service Name is changed when published.
- NIM056706 - Exporting a log from the Server Manager fails.

ArcGIS Mobile

- NIM039695 - The GPS cursor does not point in the correct direction after rotating the map in ArcGIS Mobile application.

ArcSDE

- NIM035936 - <DB2> improve the implementation for creating new layers.
- NIM037019 - Spatial Type for Oracle: Using the sdeexport command with the -O option fails with an underlying DBMS error. See KB article 35260.
- NIM037345 - Cannot alter the grid size of a layer using sdelayer -o alter.
- NIM042008 - Attempting to update a set of objects where the user's schema does not have the ability to create the sde logfile tables will cause the ArcSDE gsrvr process to crash.
- NIM042325 - Slow performance (full table scan) when statistics are present in SDE.ST_GEOMETRY_INDEX table with ST_Geometry.
- NIM042600 - Command line utilities 'sde2shp' cannot encode some Japanese character correctly and resulting error "attribute column does not exist Skip".
- NIM043936 - Change Privileges tool can grant privileges to a DB2 user group, but cannot revoke the permissions from the group (only DELETE permission is revoked); "sdelayer -o revoke" returns the wrong error messages.
- NIM043948 - After upgrading a version 9.3 Geodatabase from SQL2000 to SQL2005, editing a child version fails with Network I/O error.
- NIM044174 - The number of system handles associated with the giomgr.exe keeps increasing after closing the ArcSDE Connection.
- NIM044821 - SDE Java API fails to make a new direct connect after 267 connections have been opened (and closed) on Linux.
- NIM045098 - Domain group user unable to view data that group has been granted select privilege to.
- NIM045348 - ST_INTERSECTION returns no geometry when ST_SPATIAL_REFERENCES SRID are different.
- NIM046067 - MinZ and MaxZ are reset to the 'Z offset' values if the last edits on ST_Geometry features were attribute edits.
- NIM046206 - Slow performance using st_astext against a relatively large multipolygon features.
- NIM046720 - Ensure the option to skip the calculation of sdo_geometry layer's MBR when registering it with ArcSDE (if the user already knows the correct MBR - using "-E") is actually used.
- NIM047243 - When syncing updates, the queries to find the features to update using the GlobalID are slow when the feature class has many features.
- NIM048113 - Unable to select features from an ArcSDE view using ST_GEOMETRY data that has a joined table.
- NIM048298 - Add new Denmark DKTM projected coordinate systems.
- NIM048382 - 3-tier connection from ArcCatalog to native 64-bit SDE hangs in a Windows 2003/2008 64-bit server environment.
- NIM048385 - ST_BUFFER function fails with "too many points" message on multipart polygon.
- NIM049083 - Contents of a BLOB column is truncated during versioned editing when the BLOB size is greater than 60000 bytes.

- NIM049191 - Receiving -ORA-20603: Spatial References are not compatible error when using ST_TRANSFORM function.
- NIM050318 - Field with VARCHAR2 data type from an ArcSDE child geodatabase involved in a Check-out replica is truncated and/or appended with special characters in the ArcSDE parent geodatabase set with German locale.
- NIM050335 - Archived mixed high precision feature class is unable to display geometry of the newly added features.
- NIM051129 - Obtain java.lang.NullPointerException with PeCSTransformations.geog1ToGeog2 method for certain grid-based transformation methods such as HARN, NADCON, and NTv2 methods.
- NIM051155 - PeCSTransformations.geog1ToGeog2 method does not perform the transformation for certain grid-based transformation methods such as HARN, NADCON, and NTv2 methods with version 9.2 SDE APIs.
- NIM052027 - In Spatial type for Oracle, the CREATE INDEX statement for the sp_id attribute on the domain index is not fully qualified with the object owner.
- NIM052156 - Ora11gR2 APEX* & ORDDATA* tables need to be filtered.
- NIM052174 - Raster Catalogs and Feature Classes with raster fields stored in ArcSDE for SQL Server do not display after applying the 9.3.1 Service Pack 1.
- NIM052197 - Unknown column names should not be returned by ArcSDE when describing a table's indexes.
- NIM052718 - <DB2>Executing the DB2 SDE.NEXT_ROW_ID routine in a federated database environment with DB2_TWO_PHASE_COMMIT set to Y leads to errors because of the COMMIT statements in the SDE.SDE_GET_ROWIDS routine.
- NIM052748 - Using SQL statements with st_intersect results in Oracle error "ORA-01002: fetch out of sequence"
- NIM052918 - Rebuild Network command fails against a geometric network where the connected user does not own all the states containing geometric network edits.
- NIM053100 - Unable to perform Direct Connect with 64-bit Java SDE SDK API's due to the absense of 'sdejavautil' component.
- NIM053199 - Spatial type for Oracle: Unnecessary looping impacting performance when multiple grid levels are present to delete collections during the termination of spx_util.grid_search_execute.
- NIM053342 - ST_Intersects returns the wrong results using the supplied client data when secondary filtering is used.
- NIM053362 - Spatial Type for Oracle: ODCIIndexStart errors caused by extproc failing under specific conditions when multipart features are present.
- NIM053444 - SDE2SHP is not excluding the SE_ANNO_CAD_DATA column when exporting SDO_Geometry layers.
- NIM053450 - Postgres: Unable to set version with sde.sde_set_current_version when editing multiversion views.
- NIM053601 - "db_sqltype_bind_columns::geodetic layer query" error message should not show up in sde error log without sdeverbose on.
- NIM053997 - asWKB gives wrong output when used against a specific simplified geometry.
- NIM054775 - <DB2> SE_stream_delete_by_id_list fails with -51 error when trying to delete rows from a versioned table with SDE_XML storage type
- NIM054776 - <DB2> - Copy/paste of a certain dataset that contains topology results in SDE Error(-139). The specified coordinate exceeds the valid coordinate range on AIX 64-bit platform.
- NIM054803 - The version queries against the SDE XML data model are returning the wrong result.
- NIM054998 - <DB2> - The version queries against the SDE XML data model are returning wrong results.

- NIM055063 - <DB2/INF>: Enable archiving crashes the gsrvr if an XML column exists in a layer.
- NIM055456 - Import Message fails with Error "ORA-01460: Unimplemented unreasonable conversion requested" for an Annotation Feature Class.
- NIM055461 - Postgres: Topology loaded with PG_GEOMETRY has a NULL dirtyarea which causes an application crash when the dirtyarea is retired.
- NIM055471 - Postgres: Error -112 generating shape when drawing Network Feature Dataset.
- NIM055472 - Postgres: Network I/O errors encountered when registering a feature dataset with a topology as versioned that contains more than one participating feature class.
- NIM055581 - Postgres: SDE.ST_Point() function failed to parse WKT text string returns 'invalid type ST_POINT'.
- NIM055582 - Postgres: Loading feature dataset into ArcSDE with PG_GEOMETRY (WKB) fails sometimes with a Network I/O error.
- NIM055583 - Generating shape from WKB could fail with -150 "Polygon does not close properly" or -155 "Linestring or poly boundary is self-intersecting" error.
- NIM056116 - TSMSYS Oracle objects are not filtered when connected to SDE and the user connected has selected any table permissions.
- NIM056155 - <DB2> - If a local user account name does not exist on client machine too, direct connect using an account name local to the database server will fail and a misleading error message relating to a table "GDB_RELEASE" will appear.
- NIM056156 - In postgres, spatial queries return incorrect results in various cases.
- NIM056276 - Convert any occurrences of the well-known ID 3857 (WGS 1984 Web Mercator Auxiliary Sphere) to its old value, 102100.
- NIM056494 - <DB2> - Error 'The specified coordinate exceeds the valid coordinate range' occurs when using a z-aware/enabled envelope to get an update cursor on a feature class.
- NIM056640 - Provide an optimized st_geometry constructor for points that construct the binary geometry in PL/SQL in Spatial Type for Oracle.
- NIM056641 - The sdelayer -o delete is setting spatial column to NULL for Geography layers.
- NIM057155 - Spatial Type for Oracle: Creating spatial data with schema/owner names exceeding twenty plus characters will create an unusable spatial index and encounter an 'Ora-06502: PL/SQL: numeric or value error: character string buffer too small' error.
- NIM057439 - Creating a point with the st_geometry operator in Spatial Type for Oracle corrupts the x value.
- NIM057453 - st_intersect on large amounts of features get stuck if they are without st_envintersect on RHEL5.3.

Other

- NIM053074 - Apply attribute parameters to a network solver and it fails with an automation exception.