Release Notes

Desktop Edition

Version 1.6.2.0

24 May 2018

Contents

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1 Introduction

1.1 Scope

The purpose of the Release Note is to document the new functionality provided by the release and any known issues or limitations. The release notes will also record any administrative instructions that are specific to this release and not recorded elsewhere.

1.2 Purpose of Release

A standard maintenance release of 1Integrate for ArcGIS, Desktop Edition

A well-planned implementation of this release will minimise disruption to a live environment. Read these Release Notes thoroughly before installation.

For users of previous versions, 1Spatial recommends the following before applying any changes to your live environment:

- Please read these release notes and the **Installation Guide** for the required edition of 1Integrate for ArcGIS before installing this release
- Ensure no users are using the 1Integrate for ArcGIS installation
- As a precaution, back up your rules and actions
- Test the release on your test platform

1.3 System Requirements

Before proceeding with your installation, ensure you have met the system requirements and installed all necessary Esri applications.

Other prerequisite software versions can be used (e.g. newer browser versions), but support requests will only be progressed if the issue can be replicated on one of the supported versions.

Operating System	Windows 7 or 10
Java Runtime Environment	JRE 1.8.0_141 64-bit
Visual C++	Visual C++ Redistributable Packages for Visual Studio 2013 (available from the Microsoft website)
Browser	One of the following: • Chrome version 60 or newer • Mozilla Firefox version 39 or newer • Internet Explorer version 10 or 11
Esri Desktop	One of the following: • ArcMap (10.4.1 or 10.5.1) • ArcGIS Pro (2.0)

2 Release details

2.1 Notable differences since 1Integrate for ArcGIS 1.6.1

- Bug fixes for ArcGIS Pro including errors during commit being hidden which resulted in user not being aware of partial commits
- Improvements to commit speed in ArcGIS Pro

2.2 Previous releases

2.2.1 Notable differences since 1Integrate for ArcGIS 1.5

- New generate_UUID built-in
- Metadata service runs off SQL Server database
- Support ArcGIS Pro 2.0 (older versions of ArcGIS pro are not supported by this release)
- Requires Java 1.8 (Check the upgrade instructions below to ensure the correct version of Java is being used).
- This release does not yet provide support for ArcGIS 10.3.1, please speak to 1Spatial support if you require support for ArcGIS 10.3.1
- A number of built-in functions have been added
- Separate release notes for Desktop Edition and Server/Mobile Edition

2.2.2 Notable differences from 1Integrate for ArcGIS 1.4

- (from 1.5.011) - Performance improvement for writing data in Desktop Edition.
- Widget and Add-in control improvements: Warn user and disable rules which don't apply to current data.
- Widget control improvements: Enable all rules by default and remember rules selection for next session (per Windows user for desktop, per browser for Web).
- Support for ArcGIS 10.5
- Support for Geometric Network data
- Several user interface improvements to improve rule author efficiency and clarity
- Licensing – allow machines to change network and enable licenses that work in virtual environments such as VDI. Old licenses should continue to work but to use the new licenses then first delete the license then delete the hardware_hash files in C:\Users\<username>\Documents\hash\ before starting the 1Integrate for ArcGIS services. This will generate a new hash from which a new license can be created.

2.3 New functionality in this release

1.6.2	
ESRI-1454	Improvements to commit speed in ArcGIS Pro
1.6.1	
ESRI-1370	Document how to share rule author across multiple 1Integrate for ArcGIS Desktop users
ESRI-1335	Metadata Service support for MS SQL
MSINT-1475	New generate_UUID built-in
1.6.0	
ESRI-1148	Support ArcGIS Pro 2.0 for Server and Desktop Editions
ESRI-1318	Support Java 1.8 as a pre-requisite
MSINT-1401	New built-in functions, see online help for details: - create_geometry_from_wkt - difference_by_dimension - find_small_rings - get_job_extent - inner_rings - jaro_winkler_similarity - line_bearing_at_point - max - min - point - read_sequence - round_geom - rule_hotspot_geometry - segments - set_topology_edge_drag_mode - to_timestamp - tsort_* (a number of built-ins specifically for topological sorts) - vertices
1.5.0	
ESRI-1148	Support ArcGIS 10.5 for Desktop Edition
ESRI-1149	Support ArcGIS 10.5 for Server and Mobile editions
ESRI-1182	Virtual machine support: Allow control of license checks to enable licensing on VDI
ESRI-1259	Support Geometric Network data
ESRI-1164	In Add-ins and Widgets, warn user and allow to continue when some rules cannot be run due to schema mismatch
ESRI-1165	In Add-ins and Widgets, by default enable all rules and remember which are checked for next time
ESRI-1005	Rule Author: Introduce vertical lines to tree structure in rules and actions
ESRI-1064	Rule Author: All deletes must require user confirmation first
ESRI-1159	Rule Author: Can rule names/ellipsis be extended to full width of the rules panel
ESRI-1160	Rule Author: Selecting a rule pans rule tree back to top
ESRI-1168	Rule Author: Make r.m.b context menu work even when node is in edit mode.
ESRI-1171	Rule Author: When adding a new node, make it start editable and with dropdown open
ESRI-1174	Rule Author: In tree display, make ruleset names and package names bold

ESRI-1179	Rule Author: Make it clear when toggle switches have input focus
ESRI-1183	Rule Author: Improve Descriptions for quickrule spatial predicates
ESRI-1208	Rule Author: Rule readability: Add 'IF THEN' and 'AND, OR' text along vertical lines between nodes
ESRI-1210	Rule Author: Make node drop lists longer
ESRI-1211	Rule Author: Allow pasting a node on to a node of the same type to act as 'add sibling'
ESRI-1212	Rule Author: When a node is expanded, include the 'collapsed' description above the editable details
ESRI-881	Rule Author: Visual indicator for when a rule's link to an action is stale.

2.4 Bugs Fixed in this release

1.6.2	
ESRI-1412	Pressing 'Run' twice on an action in ArcGIS Pro results in an error and requires a restart
ESRI-1472	ArcGIS Pro crashes when performing validation with Circle\Ellipse geometries. These geometries are not yet supported but the crash is prevented
ESRI-1471	ArcGIS Pro crashes when running validation\enhancements against unresolved layers
ESRI-1451	Errors returned from ArcGIS Pro when writing results are hidden, therefore user is not aware that not all features were committed
1.6.1	
ESRI-1360	Installers do not fail when they detect a Java 7 environment
ESRI-1383	Polygons with inner rings do not reference a sys:face
ESRI-1385	ArcGIS Pro desktop edition cannot validate polygons with inner rings
ESRI-1397	Desktop Edition - ArcGIS Pro does not commit deletes
1.6.0.3	
ESRI-1366	ArcGIS Pro Crashes when Projections in U.S. Feet
1.6.0.2	
ESRI-1315	Inner rings not being properly handled in ArcGIS Pro
ESRI-1319	Not all features being processed for Desktop Edition on ArcGIS Pro
ESRI-1201	1Integrate for ArcGIS - Desktop - Edits are not all being applied within edit session
1.5.0.11	
ESRI-1051	Desktop Edition: ArcMap write performance very slow and fails to complete when full extent is used
ESRI-1232	ArcGIS Pro using Desktop extension gets stuck when Validation is run on rules with schema mismatches
ESRI-1290	1Integrate for ArcGIS - Mobile Edition - SOI Does not work when projection unit is FEET
ESRI-1142	ArcMap Desktop/Server - ArcMap doesn't stop user from running multiple sessions.
ESRI-1282	Clarify terminology: Use the official word Add-ins instead of Widgets for Desktop where appropriate
ESRI-1296	Rule Author: Static Value will not retain a single space as the value.
ESRI-1199	Rule Author - some blank string nodes are marked as invalid, even though they are not

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1.5.0.7	
ESRI-1281	ArcGIS Pro 1.4.1 Add-in: Enhancement tab not displaying enhancement actions
ESRI-592	Improve consistency between UI and help pages
ESRI-724	Metadata Service Installer: remove unused Portal and ArcGIS Online credentials options.
ESRI-826	Rule Author: Changing saved schema doesn't set unpublished flag
ESRI-1064	Rule Author UI: All delete operations should require user confirmation
ESRI-1087	Licenses and installers should refer to 'processes' not 'workers'
ESRI-1112	New item popup should make name field take input focus
ESRI-1152	00020680 1Integrate for ArcGIS Desktop: Check license more frequently
ESRI-1156	Allow license to work when the network adaptor changes (e.g. moving from ethernet to wifi)
ESRI-1159	Rule Author UI: Rule names do not extend to full width of the rules panel
ESRI-1181	ArcGIS for Desktop license: Check a larger range of ids to improve security
ESRI-1200	Renaming a package should not break rule->action references within it
ESRI-1241	Built-in function child nodes marked as invalid when adding other builtin functions with different number of parameters
ESRI-1258	Get Schema does not support layers that are nested more than two levels deep

2.5 Known Issues and Unresolved Bugs

ID	Description
ESRI-1473	Desktop Edition: ArcGIS Pro - The Run button is disabled if attempting to run a session with no rules. Restarting Pro fixes the issue.
ESRI-1401	Desktop Edition : has_duplicates function fails for data that has measures
ESRI-1348	Desktop edition : Pins are half visible on the ArcMap Layer legend
ESRI-1274	Add-in crashes ArcGIS Pro when attempting to fetch rules from a HTTPS server connection
ESRI-1113	Widget: ArcGIS Pro Add-in: Login dialog wrongly scaled on high density screen
ESRI-864	Rule Author UI - Uploading ruleset with unknown schema causes errors.
ESRI-873	Rule Author UI - Cut and Paste of a Package to its child results in an error
ESRI-1026	Desktop Edition: ArcGIS Pro - If token changes during session or metadata service restarts, Pro needs to be closed and re-opened to work again.

3 Special upgrade instructions

3.1 Java 1.8

This version of 1Integrate for ArcGIS requires Java 1.8 on the machine. Note that if Java 1.7 also exists on the machine (e.g. if upgrading from a 1Integrate for ArcGIS version 1.5 or older) then the 1Integrate for ArcGIS Windows services may not start if the installation continues to use the 1.7 version of Java. To check which version of Java is being used by the services, check the Windows registry using the regedit application: Go to "HKEY_LOCAL_MACHINE" -> "SOFTWARE" -> "JavaSoft" -> "Java Runtime Environment", select "CurrentVersion" and set the value to be 1.8, then close regedit and restart the 1Integrate for ArcGIS Windows services.

3.2 Licenses

Existing product licenses will continue to work with this new version. If you have pre v1.5 licenses but need them to handle changing the machine's network then first delete the hardware_hash files in C:\Users\<username>\Documents\hash\ before starting the latest 1Integrate for ArcGIS services. This will generate a new hash from which a replacement license can be re-created by 1Spatial support.

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4 1Spatial Product Assistance

If assistance is required while deploying this release, contact either your distributor or 1Spatial Support.

To contact 1Spatial Support, please visit our website: http://www.1spatial.com/services/support.

Maximise the value of this release with 1Spatial foundation and advanced training courses. For training enquiries please contact your Account Manager or email training@1spatial.com.