
What's New in Esri® Business Analyst™ 10.4

Software Update

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Welcome to Esri Business Analyst 10.4

Overview

This document provides a comprehensive summary of the software updates to Esri® Business Analyst™ for Desktop and Esri Business Analyst for Server at the 10.4 release.

The 10.4 software update is focused on quality improvements within the software, bug fixes and enhancements.

The Esri Business Analyst for Desktop 10.4 software update includes two installations:

1. Esri Business Analyst for Desktop 10.4
2. Esri Business Analyst for Desktop 10.4 Background Geoprocessing (64-bit)

The Esri Business Analyst for Server 10.4 software update includes two installations:

1. Business Analyst for Server 10.4
2. Business Analyst for Server 10.4 Geoprocessing Tools

Software Updates – Esri Business Analyst for Desktop

The 10.4 software update is a significant update to Business Analyst for Desktop. In addition to major performance and stability improvements, newer ways to connect to and leverage online content and resources have been added.

ArcGIS 10.4 Support

- The software update will allow Business Analyst for Desktop 10.4 to work with ArcGIS for Desktop 10.4.

New and Flexible Ways to Leverage Online Content and Resources

Share to and Run Custom Reports from ArcGIS Online

Business Analyst for Desktop features a powerful report authoring tool that allows users to quickly and easily create professional and impactful custom reports for executive presentations and briefings using user-curated data and charting relevant to *their* market analysis goals and audience.

Beginning with the Business Analyst for Desktop 10.4 release and the March 2016 ArcGIS Online platform release, Business Analyst for Desktop users will be able to share these custom reports to other Esri Business Analyst users in their ArcGIS Online Organization. Once shared, these reports (a newly recognized ArcGIS Online item type) can be re-run for other locations and input data, as needed, for flexible and reproducible reporting and decision support.

Note: Business Analyst for Desktop 10.4 users will need to install the “Online Custom Reports Patch” (See Near-Term Roadmap below) to enable these new capabilities.

In addition to Business Analyst for Desktop, users will have the flexibility to run these custom reports shared with them using their own inputs such as their business trade areas with updated versions of the browser-based Business Analyst Web App and the Business Analyst Mobile App (Android and iOS) for on-demand reporting in the field. Support for Online-hosted custom reports in all of these Business Analyst products is expected on or around the March 2016 ArcGIS Online platform release.

Increased Flexibility with Running Business Analyst for Desktop with or without Installing a Local Dataset

Users have added options for running Business Analyst for Desktop with or *without* installing a local Business Analyst dataset.

Through Business Analyst for Desktop, users can connect to ArcGIS Online using their Business Analyst web subscription (See Customer Entitlements below) and gain access to the latest content and resources including data, analytics, and reporting services which can be leveraged by many of Business Analyst for Desktop’s tools, wizards, and workflows.

Major Performance and Stability Improvements

Improved Integration with ArcGIS for Desktop and Faster Business Analyst for Desktop Opening Times

With 10.4, Business Analyst for Desktop users now have the option to open ArcGIS for Desktop and access Business Analyst tools and wizards without having to first load the Business Analyst for Desktop map layers (with the Business Analyst-specific mxd's)

Along with the convenience benefits associated with this tighter integration with ArcGIS for Desktop, Business Analyst for Desktop users can now benefit from much faster loading times since they are free from the requirement and associated overhead of loading the default Business Analyst map layers ("BDS Layers") into the ArcGIS for Desktop Table of Contents (TOC).

Expanded 64-bit Background Geoprocessing

In the last release of Business Analyst for Desktop, users were introduced to the performance and stability improvements associated with 64-bit Background Geoprocessing with Business Analyst for Desktop standalone GP tools available through ArcToolbox. With 10.4, the numerous performance and productivity benefits of 64-bit Background Geoprocessing have now been extended to the Business Analyst for Desktop Wizards such as customer, store and trade area creation tools within the Business Analyst for Desktop toolbar. Now, a user can kick off a computationally intense Business Analyst for Desktop Wizard-based analysis tool while continuing to interact with their map and data.

Faster Processing of Street Network-based Calculations with the Territory Design Tool

With Business Analyst for Desktop 10.4, users of the Territory Design tool can now take advantage of faster analysis and execution times when they build complex drive time or drive distance-based territories thanks to performance enhancements and optimization in the underlying tools.

Content Updates

Local Data

There are no new *locally-installed* data updates in the 10.4 release. Additional information regarding content updates can be found in the What's New document specific to that dataset.

Online Data

Thanks to the ability to connect to ArcGIS Online using a Business Analyst web subscription (See Customer Entitlements below), Business Analyst for Desktop users have the flexible and convenient option to access content and resources which are, in most cases, more up-to-date than the current releases of the locally-installed data.

As part of the March 2016 ArcGIS Online platform release, there is a significant international data update for 60 countries. Business Analyst for Desktop users can leverage this and other online content and resources seamlessly in Business Analyst for Desktop tools, reporting, and analytics.

Bug Fixes

Here is the a list of bugs submitted through Esri's NIMBUS issue tracking system that were addressed in the 10.4 release:

NIMBUS ID	ISSUE DESCRIPTION
BUG-000082454	Smart Map Search does not display or recognize short and float formatted fields
BUG-000082915	Unmatched records do not display in the Customer Geographic Summary Report
BUG-000084446	Data Driven Rings with time in minutes causes Business Analyst for Desktop 10.2.2 to crash
BUG-000090173	Credit usage pop up message does not show up when using the World Geocoding Service (ArcGIS Online) if the user is not already logged into their ArcGIS Online account
BUG-000090860	"ERROR 080043: Error message stack: error while initializing Spatial Overlay exception from HRESULT: 0x80040659" is returned when a feature class is stored in an enterprise geodatabase when appending Esri base data to the feature class
BUG-000090988	"oleaut32.dll" error Intermittently appears upon Address Coder start up
BUG-000091653	Available fields not appearing in "Include additional fields..." in Append Data Layer Created From Standard Geography Layer dialog in Rank Markets (Analysis) Business Analyst GP Tool
BUG-000092103	Geography features that are merged in an edit session are appended with the data for only one of the features rather than the combined area
BUG-000092263	Multiple issues with the Business Analyst Fusion Report Designer with 2015 Canadian data
BUG-000092405	Setup Store Using Existing Data Business Analyst GP tool does not successfully run unless the "Create New Feature Class (optional)" check box is selected

Documentation

Updated documentation for Business Analyst for Desktop 10.4 is currently available [here](#).

Customer Entitlements

This is information about an existing entitlement and has been mentioned in previous releases but it is worth noting again.

All licensees of Business Analyst for Desktop—either Basic or Standard—are entitled to a Business Analyst web subscription with 10,000 credits to be used with the ArcGIS for Desktop ArcGISSM Online entitlement for one user.

This subscription provides three benefits:

1. Access to the [Business Analyst Web App](#) for browser-based mapping, analytics, and demographic reports.
2. Access to the Business Analyst Mobile App for quick and convenient access to maps, analytics, and reports from [iPhone](#), [iPad](#), or [Android](#) devices out in the field or in your office.
3. Access to a rich variety of analytics, reporting, and content services provided by ArcGIS Online GeoEnrichmentSM services and seamlessly leveraged in Business Analyst for Desktop

tools and workflows. [Access to these services](#) ensures that Business Analyst users will always have access to the most recent data available from Esri.

The 10,000 credits can be used toward all of these benefits. Customer points of contact will receive email authorization to activate their Business Analyst web subscription.

To see how many credits are needed to use Esri analytics, demographic maps, or storage services, go to the [Service credits overview](#) page.

Near-Term Roadmap

- **Esri Business Analyst for Desktop 10.4 “Online Custom Reports Patch”** – This scheduled 10.4 patch (QFE) is primarily focused on *enabling* support for online custom reports. It is described above and is currently expected around the end of March 2016 based on content and service dependencies on the ArcGIS Online platform side.
- **Esri Business Analyst for Desktop 10.4 “Localization (L10n) and Maintenance Patch”** - This scheduled 10.4 patch (QFE) is primarily focused on supporting specific localized versions of Business Analyst for Desktop 10.4. It is currently expected in the April 2016 timeframe.
- **Esri Business Analyst for Desktop 10.4.1 - 10.4.1** will be a maintenance release that will bring general fixes and stability improvements to Business Analyst for Desktop. It is also expected to support significant performance improvements with the [Business Analyst sales potential modeling toolset](#). It is currently expected in the May/June 2016 timeframe.
- **Esri Business Analyst 2016 Data Update** – The 2016 demographic data update for Esri Business Analyst products is currently expected in Q3 of 2016.

** As with any roadmap, the information provided is a best-guess estimate based on current planning and projections. It is subject to change based on updated business or operational requirements and unforeseen circumstances.*

Software Updates – Esri Business Analyst for Server

The 10.4 software update is a maintenance release that brings general fixes and stability improvements to Business Analyst for Server.

ArcGIS 10.4 Support

- The software update will allow Business Analyst for Server 10.4 to work with ArcGIS for Server 10.4 and Business Analyst for Desktop 10.4.
- Custom Reports authored and edited in Business Analyst for Desktop 10.4 can be published to Business Analyst for Server 10.4.

Content Updates

Local (On-Prem) Data

There are no new *locally-installed/hosted* data updates in the 10.4 release. Additional information regarding content updates can be found in the What's New document specific to that dataset.

Bug Fixes

Several bugs were addressed in the 10.4 release.

Documentation

Updated documentation for Business Analyst for Server 10.4 will be available [here](#).

Near-Term Roadmap

- **Esri Business Analyst 2016 Data Update** – The 2016 demographic data update for Esri Business Analyst products is currently expected in Q3 of 2016.

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