# What's New in Esri<sup>®</sup> Business Analyst<sup>™</sup> 10.3

### Software Update

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## Welcome to Esri Business Analyst 10.3

### **Overview**

This document provides a summary of the software updates in the Esri® Business Analyst 10.3 Desktop and Esri Business Analyst 10.3 Server software release.

The 10.3 software update is primarily focused on quality improvements within the software. More than 170 bugs were fixed. These included several localization issues.

The Esri Business Analyst 10.3 Desktop software update includes two installations:

- Business Analyst 10.3 Desktop extension for ArcGIS for Desktop
- Background geoprocessing 64-bit

The Esri Business Analyst 10.3 Server software update includes two installations:

- Business Analyst 10.3 Server extension for ArcGIS for Server
- Business Analyst GP tools for server

### Note 1

All licensees of Business Analyst Desktop, Basic and Standard, are entitled to an Esri Business Analyst Online<sup>™</sup> (BAO<sup>™</sup>) subscription with 10,000 credits to be used with the ArcGIS for Desktop and ArcGIS<sup>™</sup> Online entitlement for one user.

This subscription provides two benefits:

- Access to the BAO app (bao.arcgis.com)
- Access to content hosted on ArcGIS Online GeoEnrichment<sup>™</sup> services

The 10,000 credits can be used toward either of these benefits. End users must contact Esri Customer Service to acquire their BAO subscription and 10,000 credits entitlement.

### Note 2

The 10.3 software update does not contain any data updates. Information regarding data content updates can be found in the What's New section specific to that dataset.

# Software Updates — Business Analyst Desktop

The 10.3 software update for Business Analyst Desktop is for use with ArcGIS 10.3 for Desktop.

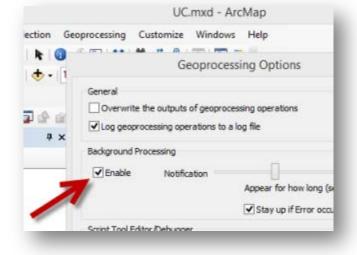
• **Python support for summarization scripts** — Now you can create custom variable summarizations using Python script. This option is accessed through Business Analyst Preferences. (Choose Python or VB Script)

			P	references	;	×
ieneral	Dataset	Analyses	Data	Drive Time	Online	
		ore reference / be referred		a client, patie	nt, subscriber et	c.
Refer	to a custo	mer(s) as a	custo	mer	customers	
Astor	e may be	referred to a	as a bar	nk, clinic, hos	pital etc.	
	to a store		store		stores	
Repos	itani					
10.000	and the second	create is p	laced in	this folder:		
C:\M	Output D	ata∖				<b></b>
Sa	ve current	Business A	nalyst	project to ma	document (MX	D)
Distan	ce Units					
					1000	
Selec	t default d	istance unit	s tor all	wizards: N	lles	~
Show	Business /	Analyst Mess	age Ce	nter		
Sh	ow Busine	ss Analyst I	Messag	e Center at s	tartup	
Defau	It Script La	nguage				
O VB	Script		1			
Pyr	thon					
-						
Build #	10.3.0.215	5				
						_
	de				OK	Cancel

 Background geoprocessing (64-bit) — To support faster processing of large, memoryhungry processes, this release includes a separate installation to enable 64-bit background geoprocessing with Business Analyst tools.

Utilizing 64-bit background geoprocessing is easy. When in ArcMap<sup>™</sup>, select Geoprocessing > Geoprocessing Options; under Background Processing, ensure that the Enable checkbox is checked.

After that, you can use your Business Analyst geoprocessing tools like you normally would. There is no discernible difference between 32-bit and 64-bit processes in the actual ArcMap application.



To view a background GP process,

you can run a task, and then open the system Task Manager to view it happening. The example below shows a RuntimeLocalServer.exe 64-bit task executing separately from its 32-bit ArcMap counterpart. Here the 64-bit process has been broken off and freed almost a half GB of memory.

<b>P</b>				Task Man		
File Opti	ons View					
Processes	Performance	App history	Startup Use	ers Details §	Services	
Name		PID	Status	Memory	Platform	Description
🔍 ArcMap	.exe	3772	Running	432,824 K	32 bit	ArcMap
🔊 Runtim	eLocalServer.exe	10128	Running	422,128 K	64 bit	RuntimeLocalServer.exe
SavServ	ice.exe	Terra	Running	164,924 K	32 bit	Performs virus scanning and dis
OUTLO	OK.EXE	6884	noing	88,108 K	32 bit	Microsoft Outlook
🕒 lync.exe	•	3552	Running	83,928 K	32 bit	Microsoft Lync
📀 chrome	.exe	2292	Running	69,692 K	32 bit	Google Chrome
Chrome	eve	10180	Running	62 996 K	22 bit	Google Chrome

You can learn more about background geoprocessing in the ArcGIS Help: <u>http://desktop.arcgis.com/en/desktop/latest/analyze/executing-tools/64bit-background.htm</u> • **More connectivity to Esri's GeoEnrichment Services** — In a continued effort to enable connectivity to content from Esri's GeoEnrichment services, this release of Business Analyst Desktop enables Distance Decay wizard access to online content.

City		Analysis Wizard ×			
***		Where are the total market counts for each area?			
		◯ In the layer attribute table			
		RING			
XL !!		Calculate using local Business Analyst data			
counts within t	the market counts. These are taken from a field he Trade Area ring	Use Online Data			
the und	e table or by aggregating erlying BDS layer. Market are often total households	Total Population 👻			
or popu	are often total households lation.	Key Global Facts     At Risk     Educational Attainment     Home Value			
		Household Income     Housing Costs			
Help		<ul> <li>Income by Age</li> <li>Marital Status Totals</li> </ul>			
ALL STORE	CALL THE A				
Had Sall Ma	Dale City	> Landcover			
MILEN/ TELS	X J A	Landscape Facts			
Harrisonburg	17 N	Public Lands			
Staunton	21 1-	Search and Filter			
Charlott	esville	Filter: Match Case			

- More enabled features when a local dataset is not present The following options and settings are now enabled when a local dataset is not installed locally. They were previously unavailable without a local dataset installed.
  - Custom data setup
  - The following choices in Business Analyst Preferences:
    - Choose an address locator
    - Streets Network

General	Dataset	Analyses	Data	Drive Time	Online	
Curren	t Dataset t current d			Dive mie	( Chille	~
Data	Component	Locations				
Data	element n	ame	Locatio	on		
	ss locators se an addr	ess locato	r:			
Wo	ld Geocod	le Service (	ArcGIS (	Online)		× 🖻
Street	s Network					
-	-					-
						_
He	lp				OK	Cancel

• **Support for GeoEnrichment hierarchies** — Access to multiple datasets within one hierarchy is now easier. Previously, to access another dataset type within the same country or region, users had to toggle between them, making analysis with data from multiple datasets difficult. Now users simply choose the hierarchy and can access all datasets within that hierarchy.

Preferences	×
General Dataset Analyses Data Drive Time Online	
Online Access	
ArcGIS Online Subscription Status: OK	
Default Country	
United States	•
Hierarchy	
Census	~
Census Landscape	
Set Proxy Server	_
Help OK	Cancel

# Software Updates — Business Analyst Server

The 10.3 software update for Business Analyst Server is for use with ArcGIS 10.3 for Server.

**Esri Business Analyst GP tools for server** — Extend the use of geoprocessing tools previously only available to a user at the desktop level.

• Following the ArcGIS model, the Business Analyst GP tools for server enable users to publish GP tools as GP services in a server environment and accessed as a service.