

Deprecation Plan for ArcGIS 10.1 and ArcGIS 10.2

Updated for the ArcGIS 10.2.1 release – December 19, 2013

With this update, we’re changing from a once a year deprecation plan release format to a new update with every release format, and we’ve expanded coverage of the apps/mobile and ArcGIS Runtime SDK products.

With each release, we assess the platforms we support and functionality in the ArcGIS platform to account for changes in technologies and markets. As a result, we adjust platform support and functionality at each release based on customer needs and technology trends. The purpose of this document is to provide as much advance notice as possible regarding these changes.

This document outlines the planned changes in platform and functionality with the release of ArcGIS 10.2 and 10.2.1 and includes reference to ArcGIS 10.1 deprecation notes.

For a definition of *deprecation*, see <http://en.wikipedia.org/wiki/Deprecation>

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ArcGIS 10.2

ArcGIS 10.2 for Desktop

- **[Updated November 22, 2013]** The ArcGIS 10.2 series of releases (ArcGIS 10.2, 10.2.1, and 10.2.2) may be the last major release that includes Microsoft Visual Basic for Applications (VBA) compatibility.
- **[Updated November 22, 2013]** ArcGIS 10.2.1 will be the last release that supports Microsoft Windows Server 2003 and Windows Server 2003 R2 in ArcGIS for Desktop, ArcGIS Engine, and ArcReader. Windows Server 2008, Windows Server 2008 R2, and Windows Server 2012 will continue to be supported.
- **[Added October 14, 2013]** ArcGIS 10.2.1 will be the last release that supports Windows XP and Windows Vista in ArcGIS for Desktop, ArcGIS Engine, and ArcGIS Reader. Windows 7, Windows 8, and Windows 8.1 will continue to be supported.
- **[Added October 14, 2013]** ArcGIS 10.2.1 will be the last release that supports Visual Studio 2010 in ArcObjects SDK for the Microsoft .NET Framework.

ArcInfo Workstation

- The last release of ArcInfo Workstation was ArcInfo Workstation 10.0. ArcInfo Workstation 10.0 will be able to be used in conjunction with newer versions of ArcGIS for Desktop and will be available to ArcGIS 10.2 users.

ArcGIS Runtime 10.2

- **[Added December 16, 2013]** Note: there will not be a 10.2.1 release of the ArcGIS Runtime SDKs. The next release of the Runtime SDKs will be ArcGIS 10.2.2.
- **[Corrected December 19, 2013]** ArcGIS 10.2 is the last release of the ArcGIS Runtime SDK (for Java and WPF) that supports Microsoft Windows Server 2003 and Windows Server 2003 R2. ArcGIS 10.2.2 Runtime SDK (for Java and WPF) will support Windows Server 2008, Windows Server 2008 R2 and Windows Server 2012.
- **[Updated December 16, 2013]** ArcGIS 10.2 is the last release of ArcGIS Runtime SDK (for Java and WPF) that supports Windows XP and Windows Vista. ArcGIS 10.2.2 Runtime SDK (for Java and WPF) will support Windows 7, Windows 8, and Windows 8.1.
- ArcGIS 10.2.2 will be the last release of ArcGIS Runtime SDK for WPF that supports Microsoft .NET Framework 4. Future releases will leverage newer releases of the Microsoft .NET Framework.

- **[Corrected December 30, 2013]** With the release of ArcGIS Runtime SDK for iOS 10.1.1 Update 2, support for iOS 5 will be deprecated. ArcGIS Runtime SDK for iOS 10.2 will only support iOS 6 and iOS 7. This means that any apps built with the 10.2 SDK won't be able to run on iPad 1st gen and iPhone 3GS devices; including Esri apps like Collector and ArcGIS for iOS.
- **[Updated November 22, 2013]** ArcGIS 10.2.2 will be the last release of ArcGIS Runtime SDK for Java and ArcGIS Engine/ArcObjects SDK for Java with support for Java 6. Note: Oracle announced the end of public update notices for Java SE 6 in February 2013.
- **[Added November 22, 2013]** ArcGIS 10.2.2 will be the last release of ArcGIS Runtime SDK for Android that supports Android 2.3. Therefore any apps like ArcGIS for Android built with the 10.2.2 Android SDK won't be able to run on the Android platform version 2.3.
- **[Added November 22, 2013]** ArcGIS 10.2 is the last release of ArcGIS Runtime SDKs that supports versions of Portal for ArcGIS earlier than 10.2.
- **[Added November 22, 2013]** ArcGIS 10.2 is the last release of ArcGIS Runtime SDK for Qt that supports Ubuntu 10.04.

ArcGIS 10.2 for Server (includes ArcSDE)

- **[Updated November 22, 2013]** ArcGIS 10.2.1 will be the last release that supports Microsoft Windows Server 2003 and Windows Server 2003 R2 in ArcGIS for Server, ArcGIS Web Adaptor, and ArcSDE. Windows Server 2008, Windows Server 2008 R2, and Windows Server 2012 will continue to be supported.
- **[Added October 14, 2013]** ArcGIS 10.2.1 will be the last release that supports Windows XP and Windows Vista in ArcGIS for Server. Microsoft Windows 7, Windows 8, and Windows 8.1 will continue to be supported.
- **[Corrected December 19, 2013]** ArcGIS 10.2.1 will be the last release with support for Windows Vista with Portal for ArcGIS. Windows 7, Windows 8, Windows 8.1, Windows Server 2008, Windows Server 2008 R2, and Windows Server 2012 will continue to be supported.
- ArcGIS 10.2 will be the last major release that supports Internet Explorer 7 in ArcGIS Server Manager.
- Spatial Data Server (IIS and Java)
 - There are no plans to release a new version of Spatial Data Server technology at ArcGIS 10.2. Spatial Data Server 10.1 will be made available to ArcGIS 10.2 for Server users that require it.

- Users are encouraged to move from Spatial Data Server feature services into core ArcGIS for Server feature services. ArcGIS for Server feature services in 10.2 have been expanded to include capabilities supported by Spatial Data Server.
- **[Added September 16, 2013]** ArcGIS 10.2.1 for Desktop will not support connecting to Spatial Data Server to administer or publish feature services.
- ArcSDE
 - **[Updated November 22, 2013]** The ArcGIS 10.2 series of releases (ArcGIS 10.2, 10.2.1, and 10.2.2) will be the last releases that include the ArcSDE command line tools. Esri encourages use of the new Geodatabase Administration dialog box in ArcCatalog and ArcMap and the related geoprocessing tools that were introduced at 10.1.
 - **[Updated November 22, 2013]** The ArcGIS 10.2 series of releases (ArcGIS 10.2, 10.2.1, and 10.2.2) will be the last releases that include the ArcSDE application server. Esri encourages those that have deployed an ArcSDE application server to move to new database connections introduced in 10.1 as part of their next upgrade.
 - **[Updated November 22, 2013]** The ArcGIS 10.2 series of releases (ArcGIS 10.2, 10.2.1, and 10.2.2) will be the last releases that support the ArcSDE SDK with the ArcSDE C and Java APIs. Other options are available for developers, including SQL, which is available as a result of the widespread adoption of spatial types, the File Geodatabase API (introduced in 2011), and ArcGIS Runtime SDKs that offer modern environments for the creation of compelling custom applications.

Other 10.2 Notes

- **[Updated November 22, 2013]** The ArcGIS 10.2 series of releases (ArcGIS 10.2, 10.2.1, and 10.2.2) will be the last releases that support the License Manager on the Solaris operating system.
- **[Updated November 22, 2013]** ArcGIS 10.2 is the last release that supports the ArcPad extension to ArcGIS for Server. The ArcPad extension for ArcGIS Server will not ship with ArcGIS 10.2.1. Users are encouraged to use the new ArcPad feature service capabilities in 10.2 to support disconnected workflows and synchronization to ArcGIS 10.2 for Server services.

Note: ArcPad 10.2 will support online and offline editing through hosted and on-premises feature services, so there's no need for the ArcPad server extension for 10.1 and 10.2 services. We recommend using this native capability if users have 10.1 services. This feature service capability will also work with 10.0 services, but the REST end point didn't have all the capability it has now (e.g., related tables). For this reason, we will ship the server extension with ArcPad 10.2. It's the same server extension and is being provided for those who want the new version

of ArcPad and have 9.3 services or who have 10.0 services and need related table support. In the next version of ArcPad, we will not ship the extension.

- ArcGIS Explorer Online is now in extended phase support. While it will continue to be available, it is no longer being updated.

Complimentary use of Microsoft's Bing Maps with ArcGIS will be phased out completely by December 31, 2013. For additional details, refer to this document:

http://links.esri.com/bing_faq

- Esri will end support for the legacy ArcGIS Online geocoding and routing services hosted on tasks.arcgisonline.com on December 31, 2013. These are currently in extended support. These legacy geocoding and routing services have been replaced by new services available with an ArcGIS Online for Organizations subscription. The legacy services that will end on December 31, 2013, include the European Address Locator, North American Address Locator, North American Address Locator (ArcGIS 10 style), United States Street Locator, United States Street Locator (ArcGIS 10 style), World Places Locator, European Routing, and North American Routing.
- **[Added September 16, 2013]** Esri will no longer support the 32-bit version of CityEngine for Windows. City Engine 2012 will be the last 32-bit release. This means that CityEngine 2013 will be supported on 64-bit versions of Windows, Mac OS, and Linux.
- **[Added November 22, 2013]** Esri will continue to support the Smart Data Compression (SDC) format through the 10.2 series of releases (ArcGIS 10.2, 10.2.1, and 10.2.2). We will review SDC support again in early 2014.

ArcGIS 10.1

ArcGIS 10.1 for Desktop

- ArcGIS 10.1 will no longer support the Solaris versions of ArcReader and ArcGIS Engine.
- ArcGIS 10.1 for Desktop, ArcReader 10.1, and ArcGIS 10.1 Engine will be the last major release that supports Microsoft Windows Server 2003/2003 R2.
- **[Correction February 15, 2013]** Support for Microsoft Windows Server 2003/2003 R2 has been extended to ArcGIS 10.2.
- ArcGIS 10.1 will be the last major release supporting ArcReader for Linux. At the 10.1 release, SUSE Linux Enterprise Server 11 and Red Hat Enterprise Linux Server 5 and 6 will be supported. However, SUSE Linux Enterprise Server 10 and Red Hat Enterprise Linux AS/ES/WS 4 will no longer be supported at 10.1. We will no longer support ArcReader on Linux after the ArcGIS 10.1 release.

- ArcGIS 10.1 Engine no longer supports SUSE Linux Enterprise Server 10 and Red Hat Enterprise Linux AS/ES/WS 4. However, we will support SUSE Linux Enterprise Server 11 and Red Hat Enterprise Linux Server 5 and 6.
- ArcGIS 10.1 will be the last planned release for ArcGIS License Manager on the Solaris operating system. Esri will continue to support License Manager on Microsoft Windows and Linux operating systems. SUSE Linux Enterprise Server 11 and Red Hat Enterprise Linux Server 5 and 6 will be supported. (SUSE Linux Enterprise Server 10 and Red Hat Enterprise Linux AS/ES/WS 4 will no longer be supported at 10.1.)
- **[Correction February 15, 2013]** Support for ArcGIS License Manager on the Solaris operating system has been extended to ArcGIS 10.2.
- ArcGIS 10.1 will no longer support Microsoft Visual Basic for Applications.
- **[Correction February 15, 2013]** Support for Microsoft VBA has been extended to ArcGIS 10.2.
- ArcGIS 10.1 ArcObjects SDK for Microsoft .NET no longer supports Visual Studio 2008. Esri recommends using Visual Studio 2010 for ArcObjects development for ArcGIS 10.1.
- ArcGIS for Desktop, ArcGIS Engine and controls, and ArcReader 10.1 will no longer support or provide pop-up context-sensitive help in WinHelp (HLP file) format. No HLP files will be delivered with 10.1. The pop-up context-sensitive help mechanism, including the What's This tool on the Standard toolbar of all the desktop applications, was removed at 10.1. Help for commands at 10.1 is provided via ribbon-style multiline ToolTips, some of which contain F1 links that launch specific ArcGIS for Desktop Help topics. The help for dialogs is provided via clickable hyperlinks or Help buttons in the key dialog boxes that also launch specific help topics.

ArcInfo Workstation

- There are no plans to release a new version of ArcInfo Workstation at ArcGIS 10.1. However, ArcInfo Workstation 10.0 will be able to be used in conjunction with newer versions of ArcGIS for Desktop. Users will continue to be able to use their existing ArcGIS 10.0 version, but we will not release newer versions.
- **[Added 9/27/2011]** ArcInfo Workstation moved from the general availability phase to the mature phase on September 13, 2012.

ArcGIS 10.1 for Server

- ArcGIS 10.1 for Server will no longer support 32-bit operating systems. ArcGIS 10.1 will exclusively support 64-bit operating systems and databases. ArcGIS 10.1 for Server will run as a

native 64-bit application exclusively requiring 64-bit capable hardware. This includes the ArcSDE technology component of ArcGIS for Server known as the ArcSDE application server.

- ArcGIS 10.1 for Server will no longer support SUSE Linux Enterprise Server 10 and Red Hat Enterprise Linux AS/ES 4. However, we will support SUSE Linux Enterprise Server 11 and Red Hat Enterprise Linux Server 5 and 6.
- ArcGIS 10.1 will no longer support the Solaris versions of ArcGIS for Server (with the exception of the ArcSDE technology component). We will continue to support the ArcSDE component of ArcGIS for Server on the Solaris platform beyond the ArcGIS 10.1 release.
- ArcGIS 10.1 for Server will be the last major release that supports Microsoft Windows Server 2003/2003 R2. This includes the ArcSDE technology component of ArcGIS for Server known as the ArcSDE application server.
- **[Correction February 15, 2013]** Support for Microsoft Windows Server 2003/2003 R2 has been extended to ArcGIS 10.2.
- ArcGIS 10.1 for Server will be the last major release in which the ArcSDE technology component (the ArcSDE application server) will support HP-UX on Itanium with Oracle. This is based on Oracle's March 22, 2011, announcement that it will discontinue all software development on the Intel Itanium microprocessor.
- **[Correction March 15, 2013]** We saw the Oracle announcement that it was ending support for the Oracle database on HP-UX/Itanium servers. While the Oracle announcement didn't drive our decision, it did cause us to step back and evaluate the limited number of customers that we had on the HP-UX/Itanium platform versus the considerable resources that were required for us to continue to support HP-UX/Itanium as a platform. We made a decision that those resources could be better utilized to support other new platforms for the Oracle database where we are seeing strong market demand from our Oracle customer base, like Oracle Exadata Database Machines and Oracle Linux.
- The ArcGIS 10.1 for Server ArcSDE technology component will no longer support 32-bit versions of the SDE command line utilities or 32-bit versions of the C and Java APIs. With the migration of ArcGIS for Server to 64-bit, the SDE command line utilities and the ArcSDE SDK will be 64-bit only.
- ArcGIS 10.1 for Server will not support Microsoft SQL Server 2005 with enterprise geodatabases. At 10.1, enterprise geodatabases will support SQL Server 2008 and 2008 R2. Esri also intends to support SQL Server Denali (SQL Server 2011) with 10.1 enterprise geodatabases once Denali is in final release.
- **[Correction March 14, 2013]** Microsoft released the next version of SQL Server as SQL Server 2012.
- ArcGIS 10.1 will be the last planned release for the ArcGIS Web ADFs (Application Developer Framework) for both Microsoft .NET and Java. Esri will continue supporting the web ADFs during the 10.1 release cycle, but only fixes to critical issues will be addressed. No new functionality or

enhancement requests will be addressed for the web ADFs. Web application developers are encouraged to move to a web services-based pattern with the ArcGIS APIs for JavaScript, Flex, and Silverlight.

- ArcGIS 10.1 for Server will no longer support local connections (DCOM connections). ArcGIS 10.1 for Server will be a web services (REST, SOAP, and OGC) server only. This will have an impact on the following:
- The web editing functionality of default web ADF will no longer be supported. ArcGIS 10.1 will continue evolving and enhancing its web editing capabilities on top of the new feature service (new in ArcGIS 10) and the ArcGIS Web Mapping APIs.
- Custom-developed applications from business partners and users using fine-grained ArcObjects through DCOM will not be supported. Thanks to the recent enhancements in server object extensions, developers can now migrate custom business logic written at the web application (web ADF) level to custom ArcGIS for Server services. Development against fine-grained ArcObjects continues to be fully supported following the server object extension pattern for extending ArcGIS for Server services. Esri has been recommending this approach for some time already due to its simplicity and improved performance.
- Web ADF applications using nonpooled services will not be supported. Over the years, some customers have adopted a pattern for their ArcGIS for Server applications that use nonpooled services.
- Visit the following discussion (blogs.esri.com/esri/arcgis/2011/04/27/considerations-for-arcgis-server-developers-a-look-toward-10-1/) for details on alternatives to nonpooled services and local (DCOM) connection.
- ArcGIS 10.1 for Server will be the last planned release for the ArcGIS Server Manager Web Mapping Application (Microsoft .NET and Java).
- ArcGIS Server Manager includes a wizard for configuring out-of-the-box web mapping applications based on web ADF technology. ArcGIS 10.1 is the last release of the Web Mapping Application wizard in Manager. Esri will continue supporting the ArcGIS Server Manager Application Wizard and web applications created with it during the 10.1 release cycle, but only fixes to critical issues will be addressed. New out-of-the-box applications (ArcGIS Viewer for Flex, ArcGIS Viewer for Silverlight, ArcGIS for SharePoint, ArcGIS.com viewer, ArcGIS Explorer Online) based on the ArcGIS Web Mapping APIs, as well as a new experience for configuring them, will be offered as part of the ArcGIS 10.1 for Server release.
- ArcGIS 10.1 will no longer support the use of Bing Maps layers or Bing Maps geocoding tasks from applications created with the ArcGIS Server Manager Application Wizard or custom web ADF applications. Support for Bing Maps layers across other ArcGIS applications and ArcGIS APIs remains unchanged.
- ArcGIS 10.1 for Server no longer supports VBScript or JScript expressions on Linux. VBScript and JScript will continue to be supported on ArcGIS for Server for Microsoft Windows. Both VBScript and JScript expressions are used as part of labeling expressions in map documents or in specific

geoprocessing tools. Python scripting will be added as a replacement for these scripting languages, and ArcGIS for Desktop will support authoring Python scripts in areas where VBScript and JScript are presently used.

- ArcGIS 10.1 for Server no longer supports publishing of ArcGIS for Desktop map documents without analyzing them first. In 9.3.1, we introduced tools for analyzing map documents via the Map Service Publishing toolbar in ArcGIS for Desktop. ArcGIS 10.1 will not allow publishing of map documents that have not been previously analyzed. By enforcing this step, maps are ensured to publish correctly and run optimally. During the analyzation process, specific data sources, layer types, and renderers will be flagged as errors, preventing publishing:
- Data sources: CAD files, ArcInfo Workstation Coverages, VPF, map and image services, personal geodatabases, text and Excel files
- Renderers: Custom renderers (developed with ArcObjects), linear referencing hatch renderer, bivariate renderer
- Layers: Topology layers, layer selections
- ArcGIS 10.1 for Server will no longer support the Microsoft Access-based personal geodatabase. With the migration of ArcGIS for Server to 64-bit and because of the lack of scalability of personal geodatabases, we have removed support for personal geodatabases from ArcGIS 10.1 for Server. Personal geodatabases will continue to be supported on ArcGIS for Desktop.
- ArcGIS 10.1 for Server will not support multilayer cache. This type of cache is rarely used, and we see no demand to continue supporting it.

Other 10.1 Notes

- **[Corrected December 16, 2013]** Esri will continue to support the Smart Data Compression (SDC) format through the 10.2 series of releases (ArcGIS 10.2, 10.2.1, and 10.2.2). We will review SDC support again in early 2014.
- ArcGIS 10.1 will no longer support a stand-alone ArcGIS Image Server product. This product is replaced by ArcGIS Image Extension for Server.
- **[Added March 6, 2013]** ArcGIS 10.1 is the last major release that supports the Windows Mobile 5.0 operating system in the ArcGIS for Windows Mobile application.
- **[Added May 3, 2013]** After December 31, 2013 Esri will no longer support the legacy ArcGIS Online geocoding and routing services hosted on tasks.arcgisonline.com . These are currently in extended support. These legacy geocoding and routing services have been replaced by new services available with an ArcGIS Online for Organizations subscription. The legacy services that will end on December 31, 2013, include the European Address Locator, North American Address Locator, North American Address Locator (ArcGIS 10 style), United States Street Locator, United States Street Locator (ArcGIS 10 style), World Places Locator, European Routing, and North American Routing.

- Collector for ArcGIS 10.1.1 was the last release of the Collector app that supported iOS 5. With the 10.2 release (current release), Collector is no longer supported on iPad 1st generation and iPhone 3GS devices.
- ArcGIS for iOS 10.1.1 was the last release of the ArcGIS app that supported iOS 5. With the 10.1.2 release (current release), the ArcGIS app will no longer be supported on iPad 1st generation and iPhone 3GS devices.