

ArcGIS Deprecated Features Mid-Year 2021 Update

Last Updated: June 23, 2021

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The updated deprecated features plan for mid-year 2021 includes planned changes in platform and functionality for ArcGIS Insights, ArcGIS AppStudio, and ArcGIS Runtime SDK.

Note: Changes in ArcGIS Runtime SDK from 100.0 through 100.11 can be found in the last section of this document.

The ArcGIS deprecated features are updated twice a year, roughly in line with each ArcGIS release.

With each release, we assess the platforms we support and the functionality of ArcGIS and adjust both of these 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 also includes the year-end 2020, mid-year 2020, and year-end 2019 updates, for reference.

This version of the ArcGIS Deprecated Features document supersedes all older versions of this document.

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

ArcGIS Insights

macOS Mojave

Insights 2021.1 will be the last version of ArcGIS Insights supported on macOS Mojave. Insights 2021.2, the next release will continue to support macOS Catalina and will have newly added support for Big Sur.

SAP HANA 1.0 SPS12, SAP HANA 2.0 SPS02, and SAP HANA 2.0 SPS03

Insights 2021.1 will be the last version of ArcGIS Insights that supports connecting to SAP HANA 1.0 SPS12, SAP HANA 2.0 SPS02, and SAP HANA 2.0 SPS03. Insights 2021.2 will have newly added support for SAP HANA 2.0 SPS05 and SAP HANA Cloud. SAP HANA 2.0 SPS04 will continue to be supported.

Oracle 11g R2

Insights 2021.2 will be the last version of ArcGIS Insights that supports connecting to Oracle 11g R2. Insights 2021.3 will continue to support newer versions of Oracle, such as Oracle 19c.

ArcGIS AppStudio

Windows 8.1 – Deprecation Q3 2021

ArcGIS AppStudio 5.1 (to be released in June 2021) will be the last version of AppStudio to support Windows 8.1. Future releases of AppStudio will not support Windows 8.1 for AppStudio Desktop, AppStudio Player, and apps built with AppStudio.

Year-End 2020 Update

ArcGIS Enterprise 10.9

Removal of ArcMap-based runtime from ArcGIS Enterprise (Updated June 2021)

ArcGIS Enterprise 10.9.x, part of the ArcGIS 2021 releases, will be the last release of ArcGIS Enterprise to support services published from ArcMap. Beginning with the ArcGIS 2022 releases, it will no longer be possible to publish services from ArcMap and ArcMap-based ArcPy to ArcGIS Server sites. Esri highly recommends that all customers transition all publishing workflows to ArcGIS Pro at this time.

ArcGIS Enterprise 10.9.x will also be the last release series that will support running certain types of existing services originally published from ArcMap. Beginning with the ArcGIS 2022 releases, some ArcMap-based services will no longer be able to run if present during an upgrade. While many services that were originally published from ArcMap will continue to run on future releases, some specific service types must be re-authored and re-published. This includes geoprocessing services and ArcMap-based services that make use of SOEs or SOIs. To prepare for this change, Esri recommends that customers consider republishing existing services using ArcGIS Pro. Review the [following ArcGIS blog](#) for information on data sources and types of services that must be re-published.

Support of Oracle 11g R2:

ArcGIS 10.8.1 and ArcGIS Pro 2.7 will be the last releases to support the Oracle 11g R2 11.2.0.x series of releases. For ArcGIS 10.9 and ArcGIS Pro 2.8, we are planning to support Oracle 12c R2 (64 bit) 12.1.0.x/12.2.0.x, Oracle 18c (64bit) 18.3.0.x/18.4.0.x, and Oracle 19c (64bit) 19.3.0.x. Note: Oracle ended premier support for Oracle 11g R2 (11.2.0.x) on 31st January 2015 and extended support ended on 31st December 2020. For details on Oracle support for 19c (Long Term Release), see <https://blogs.oracle.com/database/19c-upgrades>.

ArcGIS Online (Updated June 2021)

Existing Esri Landsat Image Services Will Not Be Retired

Esri will be not be retiring existing Landsat image services in June 2021 as previously announced. In Q2 2021, Esri will instead upgrade the existing services from Collection 1 to Collection 2. *For additional information see this [ArcGIS blog post](#).*

Survey123

Internet Explorer and legacy version of Microsoft Edge – January 2021 (Survey123 website and web app)

As of January 2021, Esri will no longer test future Survey123 updates and releases with Internet Explorer 11 or the legacy version of Microsoft Edge. Esri will not fix issues found when using the Survey123 web app or the Survey123 website with these browsers. Users of Internet Explorer or the legacy version of Microsoft Edge are encouraged to upgrade to the latest release of Microsoft Edge, or alternatively other browsers such as Mozilla Firefox, Google Chrome or Safari.

Android 5.0 – March 2021 (Survey123 field app)

Android 5.0 (Lollipop) was unveiled on June 25, 2014. We will drop support for Android 5.0 in versions of Survey123 field app released after March 2021.

Windows 32bit Operating Systems – 2022 (Survey123 field app and Survey123 Connect)

As of March 2020, Microsoft is no longer offering a 32-bit version of the operating system to OEMs for new PCs. While the exact end of life date for Windows 32-bit operating systems is still unclear, Esri plans to drop support for Windows 32-bit operating systems in Survey123 before the end of 2022. This will affect users of Survey123 Connect and the field app.

ArcGIS Insights (Updated April 2021)

ArcGIS Insights 2020.3 release - advanced string matching with Oracle data

With the 2021.1 release, ArcGIS Insights will no longer use advanced string matching with Oracle database connections. Insights 2020.3 will be the last release that supports this behavior.

Only new connections will experience the new behavior, which is to use the data as is; existing database connections will not be impacted. Advanced string matching in Oracle uses case insensitive string comparisons and treats null and empty strings the same. The logic improves outputs for joins

on string fields, filters on string fields, and field calculations (= or <> on string fields) but negatively affects performance.

Users who wish to continue to use advanced string matching will be able to change the `advancedStringMatching` property manually in the ArcGIS Server Administrator Directory.

ArcGIS Insights 2021.1 release – Support for SAP HANA

ArcGIS Insights supports connecting to relational databases, including SAP HANA. The April 2021 release of ArcGIS Insights 2021.1 will be the last release supporting connecting to SAP HANA 1.0 SPS12. The next release of ArcGIS Insights (version 2021.1) will no longer support SAP HANA 1.0 SPS12. Users of this database version will need to upgrade their HANA database to one of the [supported versions](#), to use it within Insights.

ArcGIS AppStudio

Android 5.0 – Deprecation Q4 2020

AppStudio 4.4 is scheduled to be released in Q4 2020 and will be the last release to support Android 5.0. After the release of AppStudio 4.4, the minimum supported version will be Android 6.0.

Ubuntu Linux 16.04 – Deprecation Q1 2021

ArcGIS AppStudio 4.3 supports Ubuntu 16.04 and 18.04. ArcGIS AppStudio 5.0 is scheduled to release in Q1 or 2021 and at that time we will deprecate support for Ubuntu Linux 16.04. AppStudio 5.0 will have support for Ubuntu 18.04 and 20.04.

Universal Windows Platform (UWP) Apps – Deprecation Q1 2021

AppStudio 5.0 is scheduled to be released in the first quarter of 2021 and will not support building Universal Windows Platform apps. AppStudio 4.4 in Q4 of 2020 will be the last version to support UWP. If you are delivering Windows apps in the future, it is suggested that you use Windows 64 bit builds.

Windows 32bit Operating Systems – Future Deprecation

For users who are running AppStudio apps on Windows 32bit devices, it is necessary that you have a migration strategy to move to Windows 64bit devices in the future. The Qt Company is ending support for building Windows 32-bit apps with the release of Qt 6.0 in Dec of 2020. ArcGIS AppStudio will stay on a Qt 5.x version until at least the end of 2021 which will provide Windows 32bit support.

Other Notes

Support of RedHat Linux 6 (New January 2021)

The forthcoming release of License Manager 2021.0 will be the last release to support RedHat Linux 6 (6.10 to be precise).

Support of SLES 11

We are announcing the deprecation of support for SLES 11 at Linux License Manager 2020.1. SLES 11 is currently supported with Linux License Manager 2020.0. However, when Linux License Manager 2020.1 is released, customers using SLES 11 will need to upgrade to SLES 12.

Support for StreetMap Premium and StreetMap Premium Custom Roads

Classic locators will be removed from the product following the 2021R1 release for North America, Europe, Asia Pacific, Latin America, and Japan. The classic locators will be removed from the Middle East/Africa release following the 2020R1 release. See <https://doc.arcgis.com/en/streetmap-premium/get-started/classic-locators-deprecation.htm> for further details.

Major Shopping Centers and Malls from Directory of Major Malls (Added January 2021)

Beginning February 2021, Esri will no longer provide Major Shopping Centers and Malls data from Directory of Major Malls® (DMM) directly within products. This data has been primarily provided

in Business Analyst, Community Analyst, and the GeoEnrichment Service and includes data on shopping centers and malls with 200K square feet or more.

Support for the Hot Spot Analysis Tool (Added January 2021)

The hot spot analysis tool is being removed from ArcGIS for Office with the release scheduled for Q1 2021. This functionality is not widely used in ArcGIS for Office and there are hot spot tools available in ArcGIS Pro and ArcGIS Online.

Support for QuickCapture on Android 6 Marshmallow (Added January 2021)

The QuickCapture mobile app release 1.10, which is anticipated in April 2021, will not support Android 6 Marshmallow.

Ubuntu Linux 16.04 – August 2021 (Survey123 Field App and Survey123 Connect)

Support for Linux 16.04 will be dropped on versions of Survey123 field app and Connect released after April 2021.

Mid-Year 2020 Update

ArcGIS Pro 2.6

Support for Solve Vehicle Routing Problem

ArcGIS Pro 2.6 will be the last release that will support the Solve Vehicle Routing Problem geoprocessing tool. Esri recommends all customers wishing to perform Vehicle Routing Problem analysis in ArcGIS Pro should begin their workflow using the Make Vehicle Routing Problem Analysis Layer geoprocessing tool or the Vehicle Routing Problem button in the Network Analysis dropdown on the Analysis ribbon. For Vehicle Routing Problem analysis using python, use the Network Analyst python module (<https://pro.arcgis.com/en/pro-app/arcpy/network-analyst/what-is-the-network-analyst-module.htm>).

Customers wishing to publish a Vehicle Routing Problem geoprocessing service should use the Publish Routing Services utility (<https://enterprise.arcgis.com/en/server/latest/administer/windows/publishing-routing-services.htm>).

Support for IBM Informix and IBM Db2 for z/OS from ArcGIS Pro

Since the initial release of ArcGIS Pro 1.0 there has not been support for Informix and Db2 for z/OS with either query layers or enterprise geodatabases. With the upcoming release of ArcGIS Pro 2.6, we have had a few questions regarding our long-term plans for their support with ArcGIS Pro. Based on current business demand, there are no definitive plans on our development roadmap to extend either query layer or enterprise geodatabase support with ArcGIS Pro. If your organization has a requirement for support of the mentioned databases from ArcGIS Pro, please contact your Esri account manager or international distributor. Note Esri's support for these databases will continue as long as there is support for ArcGIS Desktop 10.x.

Support of user-schema geodatabases in Oracle

We are announcing the deprecation of user-schema geodatabases in Oracle. ArcGIS 10.6.1 and ArcGIS Pro 2.1 was the last release to support creation. ArcGIS 10.8.1 and ArcGIS Pro 2.6 will be the last release to support upgrading user-schema geodatabases. Connecting to existing user-schema geodatabase will still be supported, though not recommended. The ability to connect to a user-schema geodatabase will be removed in a subsequent release. Please note that we have had the following warning in our documentation since ArcGIS 10.1: "Be aware that the amount of time it takes to connect to the Oracle database will increase as the number of user-schema geodatabases you create and use increases. This is especially true if the user-schema geodatabases contain a mix of geodatabase tables and tables that are not registered with the geodatabase."

Support of the SDEBINARY type

We are announcing the deprecation of the SDEBINARY type in Oracle and SQL Server. Though

existing SDEBINARY feature classes can be read with current ArcGIS Pro versions, ArcGIS Pro does not support the creation of binary feature classes. ArcGIS 10.x continues to support the creation and usage of SDEBINARY feature classes. We encourage customers to move to SQL spatial types as further development work is focused on those. Functionality, such as non-versioned archiving, branch versioning, utility network, and the ArcGIS parcel fabric created using ArcGIS Pro, are only supported on SQL spatial types. SQL spatial types, which store spatial data directly in the shape column, have been the default for Oracle (ST_Geometry) since ArcGIS 9.2 and SQL Server (Geometry) since ArcGIS 10.1.

ArcGIS Enterprise 10.8.1

Support for direct upgrades from ArcGIS Server 10.3.x and Portal for ArcGIS 10.3.x (New August 2020)

ArcGIS Enterprise 10.8.1 was the last release to support direct upgrades from the 10.3 series of the ArcGIS Server and Portal for ArcGIS software components. This includes versions 10.3 and 10.3.1 that will be retired from support in December 2020. Future releases of ArcGIS Enterprise will support upgrades from version 10.4 onwards.

Support for Location Allocation and Vehicle Routing Problem network analysis via Map Services

ArcGIS Enterprise 10.8.1 will be the last release to support SOAP access to Location Allocation and Vehicle Routing Problem network analysis layers via map services with the network analysis capability. Future releases will only support publishing and consuming Location Allocation and Vehicle Routing Problem network analysis layers via geoprocessing services. After 10.8.1, Location Allocation and Vehicle Routing Problem layers in map services will still be available for visualization but will not be available for network analysis. Any customers consuming Location Allocation or Vehicle Routing Problem network analysis layers via map services are encouraged to move to geoprocessing services.

End of support for Internet Explorer 11 (Updated June 2020)

The initial deprecation of the Internet Explorer 11 browser for use with ArcGIS Online and ArcGIS Enterprise was announced early 2020. Esri is now announcing that support for Internet Explorer 11 will end with the December 2020 update to ArcGIS Online and the next major release of ArcGIS Enterprise currently planned for early 2021.

As new releases and capabilities of ArcGIS Online and ArcGIS Enterprise will continue to leverage new and evolving web browser technology, Esri strongly encourages our customers to use web browsers that are maintained and enhanced. As Microsoft no longer enhances Internet Explorer 11 with support for newer web standards, Esri can no longer ensure our new functionality works as intended or performs as expected.

Therefore, after December 2020, Esri will no longer test future updates and releases with Internet Explorer 11, nor fix problems specific to this browser. Internet Explorer 11 will continue to be supported on ArcGIS Enterprise 10.8.1 and prior in accordance with the ArcGIS Enterprise product lifecycle. Users are highly recommended to move to a modern browser such as Mozilla Firefox, Google Chrome, or the new Microsoft Edge. If you have any questions or concerns, please reach out to your Esri account team or international distributor.

End of support for Microsoft Edge Legacy

Support for the Microsoft Edge Legacy browser will end with the December 2020 release of ArcGIS Online and the next major release of ArcGIS Enterprise planned for early 2021. With these releases, the new Microsoft Edge based on Chromium will be the only supported version of Edge. Users of Microsoft Edge Legacy are encouraged to upgrade to the new Microsoft Edge.

Background: the Microsoft Edge browser included with current versions of Windows 10 is known by Microsoft as Microsoft Edge Legacy after the new Microsoft Edge based on Chromium was released in January 2020: <https://support.microsoft.com/en-us/help/4533505/what-is-microsoft-edge-legacy>

Support of user-schema geodatabases in Oracle

We are announcing the deprecation of user-schema geodatabases in Oracle. ArcGIS 10.6.1 and ArcGIS Pro 2.1 was the last release to support creation. ArcGIS 10.8.1 and ArcGIS Pro 2.6 will be the last release to support upgrading user-schema geodatabases. Connecting to existing user-schema geodatabase will still be supported, though not recommended. The ability to connect to a user-schema geodatabase will be removed in a subsequent release. Please note that we have had the following warning in our documentation since ArcGIS 10.1: *"Be aware that the amount of time it takes to connect to the Oracle database will increase as the number of user-schema geodatabases you create and use increases. This is especially true if the user-schema geodatabases contain a mix of geodatabase tables and tables that are not registered with the geodatabase."*

Support of PostgreSQL 9.6 (Updated December 2020)

We are announcing the deprecation of PostgreSQL 9.6. ArcGIS Pro 2.6 and ArcGIS 10.8.1, will be the last releases supporting PostgreSQL 9.6. At ArcGIS Pro 2.7 and ArcGIS 10.9 the minimum versions we will be supporting are PostgreSQL 12.4, 11.9 and 10.14.

Support of the SDEBINARY type

We are announcing the deprecation of the SDEBINARY type in Oracle and SQL Server. Though existing SDEBINARY feature classes can be read with current ArcGIS Pro versions, ArcGIS Pro does not support the creation of binary feature classes. ArcGIS 10.x continues to support the creation and usage of SDEBINARY feature classes. We encourage customers to move to SQL spatial types as further development work is focused on those. Functionality, such as [non-versioned archiving](#), branch versioning, utility network, and the ArcGIS parcel fabric created using ArcGIS Pro, are only supported on SQL spatial types. SQL spatial types, which store spatial data directly in the shape column, have been the default for Oracle (ST_Geometry) since ArcGIS 9.2 and SQL Server (Geometry) since ArcGIS 10.1.

ArcGIS Online

End of support for Internet Explorer 11 (Updated June 2020)

The initial deprecation of the Internet Explorer 11 browser for use with ArcGIS Online and ArcGIS Enterprise was announced early 2020. Esri is now announcing that support for Internet Explorer 11 will end with the December 2020 update to ArcGIS Online and the next major release of ArcGIS Enterprise currently planned for early 2021.

As new releases and capabilities of ArcGIS Online and ArcGIS Enterprise will continue to leverage new and evolving web browser technology, Esri strongly encourages our customers to use web browsers that are maintained and enhanced. As Microsoft no longer enhances Internet Explorer 11 with support for newer web standards, Esri can no longer ensure our new functionality works as intended or performs as expected.

Therefore, after December 2020, Esri will no longer test future updates and releases with Internet Explorer 11, nor fix problems specific to this browser. Internet Explorer 11 will continue to be supported on ArcGIS Enterprise 10.8.1 and prior in accordance with the ArcGIS Enterprise product lifecycle. Users are highly recommended to move to a modern browser such as Mozilla Firefox, Google Chrome, or the new Microsoft Edge. If you have any questions or concerns, please reach out to your Esri account team or international distributor.

End of support for Microsoft Edge Legacy

Support for the Microsoft Edge Legacy browser will end with the December 2020 release of ArcGIS Online and the next major release of ArcGIS Enterprise planned for early 2021. With these releases,

the new Microsoft Edge based on Chromium will be the only supported version of Edge. Users of Microsoft Edge Legacy are encouraged to upgrade to the new Microsoft Edge.

Background: the Microsoft Edge browser included with current versions of Windows 10 is known by Microsoft as Microsoft Edge Legacy after the new Microsoft Edge based on Chromium was released in January 2020: <https://support.microsoft.com/en-us/help/4533505/what-is-microsoft-edge-legacy>.

ArcGIS API for JavaScript

End of support for Internet Explorer 11 (New August 2020)

Esri's deprecation announcement of the Internet Explorer 11 browser for use with ArcGIS API for JavaScript was announced in July 2020. Esri is now announcing that versions 4.18 and 3.35 of ArcGIS API for JavaScript planned for December 2020 will not support Internet Explorer 11. The last releases that will support Internet Explorer 11 will be versions 4.17 and 3.34 which will be released in October 2020.

Esri strongly encourages our customers to use web browsers that are maintained and enhanced. As Microsoft no longer enhances Internet Explorer 11 with support for newer web standards, Esri can no longer ensure our new functionality works as intended or performs as expected.

Therefore, Esri will no longer test future updates and releases with Internet Explorer 11, nor fix problems specific to this browser. Users are highly recommended to move to a modern browser such as Mozilla Firefox, Google Chrome, or the new Microsoft Edge. If you have any questions or concerns, please reach out to your Esri account team or international distributor.

End of support for Microsoft Edge Legacy (New August 2020)

Esri's deprecation announcement of the Microsoft Edge Legacy browser for use with ArcGIS API for JavaScript was announced in July 2020. Esri is now announcing that for versions 4.18 and 3.35 of ArcGIS API for JavaScript, planned for December 2020, the new Microsoft Edge based on Chromium will be the only supported version of Edge. The last releases that will support Microsoft Edge Legacy will be versions 4.17 and 3.34 which will be released in October 2020. Internet Users of Microsoft Edge Legacy are encouraged to upgrade to the new Microsoft Edge.

Background: the Microsoft Edge browser included with current versions of Windows 10 is known by Microsoft as Microsoft Edge Legacy after the new Microsoft Edge based on Chromium was released in January 2020: <https://support.microsoft.com/en-us/help/4533505/what-is-microsoft-edge-legacy>.

Other Notes

Support for the ArcGIS License Manager for Linux

Following the release of ArcGIS 10.8.1, the ArcGIS License Manager for Linux will move to a modern application architecture and no longer support 32-bit Linux. When this change happens the ArcGIS License Manager for Linux will support 64-bit only.

Support for OGC WFS Services

[This note was inadvertently left out of a prior Deprecated Features update.] The ArcGIS 10.5 series was the last series to support OGC WFS services deployed on a geodata service. Esri will continue to support OGC WFS services deployed on a map service.

Spatial Analysis service Field Calculator REST API (Updated July 2020)

The Field Calculator REST API described at <https://developers.arcgis.com/rest/analysis/api-reference/field-calculator.htm> is deprecated as of the current release and will no longer be supported in next major ArcGIS release. Developers are highly encouraged to move to the Feature Service Calculate API described at <https://developers.arcgis.com/rest/services-reference/calculate-feature-service-layer-.htm> for workflows that involve updating field values in a feature service layer.

Year-End 2019 Update

ArcGIS Pro 2.5

Support for PostgreSQL 9.6.x (Added April 2020)

Our normal process for the last few years has been to drop support for the oldest version of PostgreSQL when a new major version is released, as we normally support three versions of PostgreSQL. PostgreSQL has been providing major releases in Q3 or Q4, which has fit in our schedule of *.1 releases of ArcGIS (and the matching ArcGIS Pro releases). Based on recent customer feedback, we have concluded that we will continue to support PostgreSQL 9.6.x with ArcGIS 10.8.1.

We now plan to drop support of PostgreSQL 9.6.x at the 10.9(.0) cycle and support PostgreSQL 10, 11 and 12. Going forward we are likely to change to dropping the oldest version of PostgreSQL with .0 releases of ArcGIS.

Support for SQL Server 2014

The next release of ArcGIS Pro (2.6) will be the last release that supports SQL Server 2014.

Support for Informix from ArcGIS Pro

Since the initial release of ArcGIS Pro 1.0 there has not been support for Informix with either query layers or enterprise geodatabases. With the upcoming release of ArcGIS Pro 2.5, we have had a few questions regarding our long-term plans for Informix with ArcGIS Pro. Based on current business demand, there are no definitive plans on our development roadmap to extend either query layer or enterprise geodatabase support for Informix with ArcGIS Pro. If your organization has a requirement for Informix support from ArcGIS Pro, please contact your Esri account manager or international distributor. Note Esri's support for Informix will continue as long as there is support for ArcGIS Desktop 10.x.

Support for IBM® DB2® 10.5 for Linux, Unix, and Windows

ArcGIS 2.6/10.8.x is the last release we support IBM's DB2 Version 10.5 for Linux, UNIX, and Windows.

Support for Geocoding

ArcGIS Pro 2.6 will be the last release that will support the Create Address Locator geoprocessing tool. The next major release after ArcGIS Pro 2.6 will no longer allow the building of locators with this tool. Esri recommends all customers prepare for this change by beginning to use the Create Locator geoprocessing tool. ArcGIS Pro 2.6 will also be the last release of Pro where locators created with the Create Address Locator geoprocessing tool are supported locally in Pro. Locators published to versions of ArcGIS Enterprise that support these locators will continue to work.

ArcGIS Enterprise 10.8

Support for PostgreSQL 9.6.x (Added April 2020)

Our normal process for the last few years has been to drop support for the oldest version of PostgreSQL when a new major version is released, as we normally support three versions of PostgreSQL. PostgreSQL has been providing major releases in Q3 or Q4, which has fit in our schedule of *.1 releases of ArcGIS (and the matching ArcGIS Pro releases). Based on recent customer feedback, we have concluded that we will continue to support PostgreSQL 9.6.x with ArcGIS 10.8.1.

We now plan to drop support of PostgreSQL 9.6.x at the 10.9(.0) cycle and support PostgreSQL 10, 11 and 12. Going forward we are likely to change to dropping the oldest version of PostgreSQL with .0 releases of ArcGIS.

Support for Geocoding

ArcGIS Enterprise 10.8.1 will be the last release that will support locators created with the Create Address Locator geoprocessing tool. The next major release after ArcGIS Enterprise 10.8.1 will no longer allow the publishing of locators created with this tool. Esri recommends all customers prepare for this change by building their locators with the Create Locator tool found in ArcGIS Pro 2.3 and newer.

Support for Internet Explorer 11

Use of Internet Explorer 11 with ArcGIS Online and ArcGIS Enterprise is deprecated as of the current releases. Users are highly encouraged to move to a modern browser such as Mozilla Firefox, Google Chrome, or Microsoft Edge for all applications. While Internet Explorer 11 continues to be supported in ArcGIS Online (December 2019 update) and ArcGIS Enterprise 10.8.x, use of Internet Explorer 11 is generally discouraged, and support will be discontinued at a future release. Additional notice will be provided prior to the removal of support.

Support for SQL Server 2014

ArcGIS Enterprise 10.8.x will be the last release that supports SQL Server 2014.

Support for IBM® DB2® 10.5 for Linux, Unix, and Windows

ArcGIS 2.6/10.8.x is the last release we support IBM's DB2 Version 10.5 for Linux, UNIX, and Windows

Web ADF

The Web ADF has been formally retired since January 1, 2018. For Web ADF applications that may still be in production, this is a notification that Esri Basemaps may no longer work in these applications.

ArcGIS Online

Support for Internet Explorer 11

Use of Internet Explorer 11 with ArcGIS Online and ArcGIS Enterprise is deprecated as of the current releases. Users are highly encouraged to move to a modern browser such as Mozilla Firefox, Google Chrome, or Microsoft Edge for all applications. While Internet Explorer 11 continues to be supported in ArcGIS Online (December 2019 update) and ArcGIS Enterprise 10.8.x, use of Internet Explorer 11 is generally discouraged, and support will be discontinued at a future release. Additional notice will be provided prior to the removal of support.

ArcGIS Survey123 and ArcGIS QuickCapture

Support for Windows 7, Windows 10, iOS 11 and Android 4.4 with Survey 123 and QuickCapture

The following platforms will be deprecated in ArcGIS Runtime version 100.7, which means these will be deprecated in Survey 123 and QuickCapture as well:

- Support for Windows 7 will be deprecated. The last release to support Windows 7 will be ArcGIS Runtime version 100.7.
- Support for Windows 10 version 1703 will be deprecated. With the 100.7 release, the minimum will be Windows 10 version 1709.
- Support for iOS 11 will be deprecated. The last release to support iOS11 will be ArcGIS Runtime version 100.7.

With AppStudio for ArcGIS 4.1 release, last month, support for Android 4.4 has been dropped. Minimum version is now Android 5.0 for 32 bit and 6.0 for 64 bit. This affects Survey123 3.7 release and any other apps built with AppStudio 4.1.

ArcGIS Maps for Office

ArcGIS Maps for Office planned 2020.1 release (added December 2019)

Support for Windows Server 2008 R2 and Windows 7 Service Pack 1

With the 2020.1 release, ArcGIS Maps for Office will no longer support Windows Server 2008 R2 and Windows 7 Service Pack 1. Organizations using these versions of the Microsoft operating system will need to upgrade to a newer Microsoft operating system in order to use this version of ArcGIS Maps for Office.

ArcPad

Update on ArcPad Retirement

The retirement date for ArcPad 10.2.6 has been extended to December 31, 2021. ArcPad will continue to be supported through December 31, 2021, at which time the product will be retired, and support will end.

As of January 1, 2020, ArcPad licenses will only be available to existing customers that are current on maintenance and will no longer be sold to new customers.

AppStudio for ArcGIS

Support for Windows 7 and iOS 11

Support for Windows 7 is deprecated. The last release to support Windows 7 will be AppStudio 4.3. Support for Windows 10 version 1703 is deprecated. With the 4.3 release, the minimum will be Windows 10 version 1709.

Support for iOS 11 is deprecated. The last release to support iOS 11 will be AppStudio 4.3.

CityEngine Basic

Update on CityEngine versions

With the release of CityEngine 2019.0 we will no longer have two separate versions of CityEngine, Advanced and Basic. We have merged them into a single version that supports all three licensing models, Named User, Concurrent, and Single Use, and contains all the features available in both versions. Existing CityEngine Basic customers will be upgraded to the new full version.

ArcGIS Earth Supported 3D Formats (added March 2020)

With the release of ArcGIS Earth 1.10.1 the following 3D model formats DXF, X, PLY, STL, IFC, BLEND will no longer be supported.

ArcGIS Runtime SDKs 100.x

ArcGIS Runtime SDK for Android

- Version 100.11: (Added June 2021)
 - Locators created with the Create Address Locator tool (Geocoding toolbox) will not be supported after ArcGIS Runtime version 100.11. With the 100.12 release, only the locators created with the Create Locator tool (Geocoding toolbox) will be supported. The deprecated locator format is composed of the files .loc, .loc.xml, .locb, and .lox. The newer locator format is composed of the files .loc and .loz.
- Version 100.10: (Added February 2021)
 - The classic geocode locator format (*.loc) will not be supported after ArcGIS Runtime version 100.11. With the 100.12 release, only the new (*.loz) locator format, originally introduced with ArcGIS Pro 2.3 and ArcGIS Runtime 100.5, will be supported.
- Version 100.9: (Added August 2020)
 - The classic geocode locator format (*.loc) will not be supported after ArcGIS Runtime version 100.9. With the 100.10 release, only the new (*.loz) locator format, introduced with ArcGIS Pro 2.3 and ArcGIS Runtime 100.5, will be supported.

- Support for Android API levels 21 and 22 (Android 5.x, Lollipop) is deprecated. With the 100.10 release, the minimum will be API level 23 (Android 6.0, Marshmallow).
- Version 100.8:
 - The classic geocode locator format (*.loc) will not be supported after ArcGIS Runtime version 100.9. After that release, only the newer *.loz locators, introduced with ArcGIS Pro 2.3 and ArcGIS Runtime 100.5, will be supported.
- Version 100.7:
 - Support for Android API level 19 (Android 4.4, KitKat) is deprecated. With the 100.8 release, the minimum will be API level 21 (Android 5.0, Lollipop).
- Version 100.6: (Added August 2019)
 - 3D model formats DXF, X, PLY, STL, IFC, BLEND are deprecated.
- Version 100.2:
 - Version 100.2 is the last release to support Android development for API levels 15(Android 4.0.3-4.0.4), 16 (Android 4.1-4.1.1), 17 (Android 4.2 - 4.2.2), and 18 (Android 4.3). With the 100.3 release, the minimum will be API 19 (Android 4.4).

ArcGIS Runtime SDK for iOS

- Version 100.11: (Added June 2021)
 - Locators created with the Create Address Locator tool (Geocoding toolbox) will not be supported after ArcGIS Runtime version 100.11. With the 100.12 release, only the locators created with the Create Locator tool (Geocoding toolbox) will be supported. The deprecated locator format is composed of the files .loc, .loc.xml, .locb, and .lox. The newer locator format is composed of the files .loc and .loz.
 - AGSApplicationDelegate.application(_:open:options:) method has been deprecated. App delegates no longer needs to invoke this method to support browser-based OAuth authentication. ArcGIS Runtime now uses Apple's ASWebAuthenticationSession under the hood which automatically manages the presentation and dismissal of the OAuth sign-in web page.
- Version 100.10: (Added February 2021)
 - The classic geocode locator format (*.loc) will not be supported after ArcGIS Runtime version 100.11. With the 100.12 release, only the new (*.loz) locator format, originally introduced with ArcGIS Pro 2.3 and ArcGIS Runtime 100.5, will be supported.
 - Support for iOS 12 is deprecated. With 100.11, the minimum will be iOS 13.
- Version 100.9: (Added November 2020)
 - The classic geocode locator format (*.loc) will not be supported after ArcGIS Runtime version 100.9. With the 100.10 release, only the new (*.loz) locator format, introduced with ArcGIS Pro 2.3 and ArcGIS Runtime 100.5, will be supported.
- Version 100.8:
 - The classic geocode locator format (*.loc) will not be supported after ArcGIS Runtime version 100.9. After that release, only the newer *.loz locators, introduced with ArcGIS Pro 2.3 and ArcGIS Runtime 100.5, will be supported
- Version 100.7: (Updated April 2020)
 - Support for iOS 11 is deprecated. With the 100.8 release, the minimum will be iOS 12.
 - Support for iOS Simulators that use OpenGL ES are deprecated. Version 100.8 will upgrade Runtime's rendering pipeline on iOS devices from OpenGL ES to Metal. With version 100.8, development workflows that use the iOS Simulator for testing must use an iOS Simulator that supports Metal to visualize maps and scenes. To use version 100.8 with an iOS Simulator, the following minimum conditions must be met:
 - Catalina (macOS 10.15)
 - XCode 11
 - iOS 13 Simulator
 - If an earlier macOS, XCode, or iOS version is needed, then developers need to use a physical device for development and testing.
- Version 100.6: (Added August 2019)

- 3D model formats DXF, X, PLY, STL, IFC, BLEND are deprecated.
- Version 100.5: (Added August 2019)
 - The static framework (installed under \${HOME}/Library/SDKs/ArcGIS/iOS/Static by the SDK package installer) is deprecated at 100.5.0. It will be removed at a future release. Please use the dynamic framework instead; it is available through CocoaPods or installed by the SDK package installer under \${HOME}/Library/SDKs/ArcGIS/iOS/Dynamic. Refer to the install and setup topic for more information on how to configure the Xcode project. Dynamic frameworks are the preferred way of distributing custom iOS libraries at iOS 8 and onward. They reduce both the app's executable file size and initial memory footprint.
- Version 100.3:
 - Support for iOS 10 is deprecated. With the 100.5 release, the minimum will be iOS 11.
- Version 100.1:
 - This is the last release to support XCode 8 and iOS 9. With the 100.2 release, the minimums will be Xcode 9 and iOS 10.
- Version 100.0:
 - This release will not support iOS 8. Only iOS 9 and 10 will be supported.

ArcGIS Runtime SDK for Java

- Version 100.11: (Added June 2021)
 - Locators created with the Create Address Locator tool (Geocoding toolbox) will not be supported after ArcGIS Runtime version 100.11. With the 100.12 release, only the locators created with the Create Locator tool (Geocoding toolbox) will be supported. The deprecated locator format is composed of the files .loc, .loc.xml, .locb, and .lox. The newer locator format is composed of the files .loc and .loz.
 - Support for developing with and deploying apps to Windows 10, Versions 1803 (Build 17134) and 1809 (Build 17763), is deprecated. With the 100.12 release, the minimum will be Windows 10 Version 1909 (Build 18363).
- Version 100.10: (Added February 2021)
 - The classic geocode locator format (*.loc) will not be supported after ArcGIS Runtime version 100.11. With the 100.12 release, only the new (*.loz) locator format, originally introduced with ArcGIS Pro 2.3 and ArcGIS Runtime 100.5, will be supported.
 - Support for macOS 10.14 (Mojave) is deprecated. With 100.11, the minimum will be macOS 10.15 (Catalina).
- Version 100.9: (Updated November 2020)
 - The classic geocode locator format (*.loc) will not be supported after ArcGIS Runtime version 100.9. With the 100.10 release, only the new (*.loz) locator format, introduced with ArcGIS Pro 2.3 and ArcGIS Runtime 100.5, will be supported.
 - Support for ArcGIS Desktop 10.x packages with ArcGIS Runtime Local Server is deprecated. Version 100.9 will be the last ArcGIS Runtime Local Server release to support ArcGIS Desktop 10.x packages. The next release of ArcGIS Runtime Local Server will require packages to be created with ArcGIS Pro.
 - The following ArcGIS Pro geoprocessing Tools will be deprecated with the next release of Local Server:
 - Cost Allocation
 - Cost Back Link
 - Cost Connectivity
 - Cost Distance
 - Cost Path
 - Cost Path as Polyline
 - Euclidean Allocation
 - Euclidean Direction
 - Euclidean Distance
 - Path Distance
 - Path Distance Allocation

- Path Distance Back Link
 - Support on Windows operating systems for graphics hardware rendering of maps and scenes at and below Direct3D Feature Level 9_3 is deprecated. Version 100.9 is the last release support for this capability. Version 100.10 will require Direct3D Feature Level 10_0 minimum to enable hardware GPU rendering of maps and scenes. On devices with a maximum Direct3D Feature Level at or below 9_3, ArcGIS Runtime will use the DirectX component WARP to support the display of maps and scenes via software rendering. To determine the Direct3D Feature Level(s) supported by the hardware on a specific device, follow the instructions to Open and run Dxdiag.exe, select the Display tab, and within the Drivers section refer to the Feature Level value(s) listed.
- Version 100.8: (Updated June 2020)
 - Support for Red Hat Enterprise versions 7.4 and 7.5 is deprecated in this release. A minimum of Red Hat Enterprise 7.6 will be required at the next release.
 - Support for Ubuntu 16.04 LTS is deprecated in this release. A minimum of Ubuntu 18.04 LTS will be required at the next release.
 - Support for Citrix XenDesktop 7.6 is deprecated. Customers are encouraged to migrate to Citrix new product line, branded Citrix Virtual Apps and Desktops. A minimum of Citrix Virtual Apps and Desktops 7 1912 LTSR will be supported at the next release.
 - The classic geocode locator format (*.loc) will not be supported after ArcGIS Runtime version 100.9. After that release, only the newer *.loz locators, introduced with ArcGIS Pro 2.3 and ArcGIS Runtime 100.5, will be supported.
 - ArcGIS Runtime Local Server version 100.9 will be last release to support ArcGIS Desktop 10.x packages (created in ArcMap). The release of ArcGIS Runtime Local Server after 100.9 will require packages to be created with ArcGIS Pro. Note: ArcGIS Runtime Local Server can be used with newer versions of the ArcGIS Runtime SDKs for Java.
- Version 100.7: (Added March 2020 and Updated April 2020)
 - Support for ArcGIS Desktop 10.x packages with ArcGIS Runtime Local Server is deprecated. Version 100.9 will be the last ArcGIS Runtime Local Server release to support ArcGIS Desktop 10.x packages. The next version will require packages to be created with ArcGIS Pro.
 - Support for VMWare Horizon View 6.5 is deprecated. A minimum of VMWare Horizon 7.0 will be required at the next release.
 - Support for Citrix XenDesktop 7.17 and 7.18 is deprecated. A minimum of Citrix XenDesktop 7.6 will be required at the next release.
 - Support for Citrix Virtual Apps and Desktops 7 1909 is deprecated. A minimum of Citrix Virtual Apps and Desktops 7 1912 LTSR will be required at the next release.
 - Support for Windows 7 is deprecated. With the 100.8 release, the minimum will be Windows 10 version 1803.
 - Support for Windows 10 version 1709 is deprecated. With the 100.8 release, the minimum will be Windows 10 version 1803.
- Version 100.6: (Added August 2019 and updated February 2020)
 - Support for Windows 7 is deprecated. The last release to support Windows 7 will be version 100.7.
 - Support for Windows 10 version 1703 is deprecated. With the 100.7 release, the minimum will be Windows 10 version 1709.
 - Support for SuSE 12 is deprecated. With the 100.7 release, the minimum will be SuSE 15.
 - Support for Red Hat Enterprise Linux Server versions 7.0-7.3 is deprecated. With the 100.7 release, the minimum will be 7.4.
 - Support for macOS 10.13 (High Sierra) is deprecated. With the 100.7 release, the minimum will be macOS 10.14 (Mojave).
 - 3D model formats DXF, X, PLY, STL, IFC, BLEND are deprecated.
- Version 100.3:
 - Support for Ubuntu 14.04 is deprecated. With the 100.5 release, the minimum will be Ubuntu 16.04.

- Support for Java 8 is deprecated. With the 100.5 release, the minimum will be Java 11.
- Support for macOS Sierra (version 10.12) is deprecated. With the 100.4 release, the minimum will be macOS High Sierra (10.13).
- Version 100.1:
 - This is the last release to support macOS El Capitan (version 10.11). The 100.3 release will support macOS Sierra (version 10.12) and macOS High Sierra (version 10.13).
- Version 100.0:
 - Will not support Linux 32-bit devices. Note: ArcGIS Runtime Local Server 100.x will not be supported on 32-bit Linux.

ArcGIS Runtime SDK for macOS

- Version 100.4:
 - Version 100.5 of the Runtime SDK will be the last release of a dedicated ArcGIS Runtime SDK for macOS. We encourage users of ArcGIS Runtime SDK for macOS to consider our ArcGIS Runtime SDKs for Java or Qt.
- Version 100.3:
 - This is the last release to support macOS Sierra (10.12). With the 100.4 release, the minimum will be macOS High Sierra (version 10.13).
- Version 100.1:
 - This is the last release to support XCode 8. With the 100.2 release, the minimum will be XCode 9.
 - This is the last release to support macOS El Capitan (version 10.11). The 100.3 release will support macOS Sierra (version 10.12) and macOS High Sierra (version 10.13).
- Version 100.0:
 - Will not support Yosemite. Only Sierra and El Capitan will be supported.

ArcGIS Runtime SDK for .NET

- Version 100.11: (Added June 2021)
 - Locators created with the Create Address Locator tool (Geocoding toolbox) will not be supported after ArcGIS Runtime version 100.11. With the 100.12 release, only the locators created with the Create Locator tool (Geocoding toolbox) will be supported. The deprecated locator format is composed of the files .loc, .loc.xml, .locb, and .lox. The newer locator format is composed of the files .loc and .loz.
 - Support for developing with and deploying apps to Windows 10, Versions 1803 (Build 17134) and 1809 (Build 17763), is deprecated. With the 100.12 release, the minimum will be Windows 10 Version 1909 (Build 18363).
- Version 100.10: (Added February 2021)
 - The classic geocode locator format (*.loc) will not be supported after ArcGIS Runtime version 100.11. With the 100.12 release, only the new (*.loz) locator format, originally introduced with ArcGIS Pro 2.3 and ArcGIS Runtime 100.5, will be supported.
 - Support for iOS 12 is deprecated. With 100.11, the minimum will be iOS 13.
- Version 100.9: (Updated November 2020)
 - The classic geocode locator format (*.loc) will not be supported after ArcGIS Runtime version 100.9. With the 100.10 release, only the new (*.loz) locator format, introduced with ArcGIS Pro 2.3 and ArcGIS Runtime 100.5, will be supported.
 - Support for Android API levels 21 and 22 (Android 5.x, Lollipop) is deprecated. With the 100.10 release, the minimum will be API level 23 (Android 6.0, Marshmallow).
 - NET Framework project templates will be removed from the ArcGIS Runtime SDK for .NET Visual Studio extension in the next release. When building WPF applications it is recommended that you use the included project template for WPF with .NET Core. Alternately you can create WPF projects for .NET Framework using the standard project templates included with Visual Studio. While ArcGIS Runtime continues to support

development with WPF and .NET Framework, Microsoft's guideline is to use .NET Core for new work.

- Support for ArcGIS Desktop 10.x packages with ArcGIS Runtime Local Server is deprecated. Version 100.9 will be the last ArcGIS Runtime Local Server release to support ArcGIS Desktop 10.x packages. The next release of ArcGIS Runtime Local Server will require packages to be created with ArcGIS Pro.
- The following ArcGIS Pro geoprocessing Tools will be deprecated with the next release of Local Server:
 - Cost Allocation
 - Cost Back Link
 - Cost Connectivity
 - Cost Distance
 - Cost Path
 - Cost Path as Polyline
 - Euclidean Allocation
 - Euclidean Direction
 - Euclidean Distance
 - Path Distance
 - Path Distance Allocation
 - Path Distance Back Link
- Support on Windows operating systems for graphics hardware rendering of maps and scenes at and below Direct3D Feature Level 9_3 is deprecated. Version 100.9 is the last release support for this capability. Version 100.10 will require Direct3D Feature Level 10_0 minimum to enable hardware GPU rendering of maps and scenes. On devices with a maximum Direct3D Feature Level at or below 9_3, ArcGIS Runtime will use the DirectX component WARP to support the display of maps and scenes via software rendering. To determine the Direct3D Feature Level(s) supported by the hardware on a specific device, follow the instructions to Open and run DxDiag.exe, select the Display tab, and within the Drivers section refer to the Feature Level value(s) listed.
- Version 100.8: (Updated June 2020)
 - Support for iOS Simulators that use that use OpenGL ES are deprecated. ArcGIS Runtime's rendering pipeline on iOS devices will move from OpenGL ES to Metal with the next version. In subsequent releases, development workflows that use the iOS Simulator for testing must use an iOS Simulator that supports Metal to visualize maps and scenes and will require the following minimum conditions:
 - Support for Windows 7 is deprecated. With the 100.8 release, the minimum will be Windows 10 version 1803.
 - Catalina (macOS 10.15)
 - XCode 11
 - iOS 13 Simulator
 - If an earlier macOS, XCode, or iOS version is needed, then developers need to use a physic device for development and testing.
 - Support for Citrix XenDesktop 7.6 is deprecated. Customers are encouraged to migrate to Citrix new product line, branded Citrix Virtual Apps and Desktops. A minimum of Citrix Virtual Apps and Desktops 7 1912 LTSR will be supported at the next release.
 - The classic geocode locator format (*.loc) will not be supported after ArcGIS Runtime version 100.9. After that release, only the newer *.loz locators, introduced with ArcGIS Pro 2.3 and ArcGIS Runtime 100.5, will be supported.
 - ArcGIS Runtime Local Server version 100.9 will be last release to support ArcGIS Desktop 10.x packages (created in ArcMap). The release of ArcGIS Runtime Local Server after 100.9 will require packages to be created with ArcGIS Pro. Note: ArcGIS Runtime Local Server can be used with newer versions of the ArcGIS Runtime SDKs for NET (WPF API only).
- Version 100.7: (Added March 2020 and Updated April 2020)
 - Support for Android API level 19 (Android 4.4, KitKat) is deprecated. With the 100.8 release, the minimum will be API level 21 (Android 5.0, Lollipop).

- Support for iOS 11 is deprecated. With the 100.8 release, the minimum will be iOS 12.
- Support for ArcGIS Desktop 10.x packages with ArcGIS Runtime Local Server is deprecated. Version 100.9 will be the last ArcGIS Runtime Local Server release to support ArcGIS Desktop 10.x packages. The next version will require packages to be created with ArcGIS Pro.
- Support for VMWare Horizon View 6.5 is deprecated. A minimum of VMWare Horizon 7.0 will be required at the next release.
- Support for Citrix XenDesktop 7.17 and 7.18 is deprecated. A minimum of Citrix XenDesktop 7.6 will be required at the next release.
- Support for Citrix Virtual Apps and Desktops 7 1909 is deprecated. A minimum of Citrix Virtual Apps and Desktops 7 1912 LTSR will be required at the next release.
- Support for Windows 7 is deprecated. With the 100.8 release, the minimum will be Windows 10 version 1803.
- Support for Windows 10 version 1709 is deprecated. With the 100.8 release, the minimum will be Windows 10 version 1803.
- Version 100.6: (Added August 2019)
 - Support for Windows 7 is deprecated. The last release to support Windows 7 will be version 100.7.
 - Support for Windows 10 version 1703 is deprecated. With the 100.7 release, the minimum will be Windows 10 version 1709.
 - 3D model formats DXF, X, PLY, STL, IFC, BLEND are deprecated.
- Version 100.3:
 - Support for iOS 10 is deprecated. With the Update 5 release, the minimum will be iOS 11.
 - 100.3 is the last release to support:
 - Development of UWP apps for the ARM32 architecture.
 - Project templates (WPF, Xamarin.Android, and Xamarin.iOS) and local NuGet repository within Visual Studio 2015. NuGet packages can be referenced within Visual Studio 2015 from NuGet.org or downloaded to the existing Esri local NuGet repository (%localappdata%\Esri\NuGet). With the 100.4 release the ArcGIS Runtime SDK for .NET Visual Studio extension (.vsix) will require Visual Studio 2017.
- Version 100.2:
 - This is the last release to support
 - NET Framework versions 4.5.2 and 4.6. With the 100.3 release, the minimum will be 4.6.1.
 - Development with Visual Studio 2012 or 2013. With the 100.3 release, the minimum will be Visual Studio 2015.
 - Xamarin.Android development for API levels 15(Android 4.0.3-4.0.4), 16 (Android 4.1-4.1.1), 17 (Android 4.2 - 4.2.2), and 18 (Android 4.3). With the 100.3 release, the minimum will be API 19 (Android 4.4).
 - Xamarin.iOS development for iOS 9. With the 100.3 release, the minimum will be iOS 10.
 - UWP and Xamarin.Forms UWP development for Windows 10 version 1607 (OS build 14393) and 1703 (OS build 15063). With the 100.3 release, the minimum will be version 1709 (OS build 16299), which is also known as the Fall Creators Update.

ArcGIS Runtime SDK for Qt

- Version 100.11: (Added June 2021)
 - Locators created with the Create Address Locator tool (Geocoding toolbox) will not be supported after ArcGIS Runtime version 100.11. With the 100.12 release, only the locators created with the Create Locator tool (Geocoding toolbox) will be supported. The

deprecated locator format is composed of the files .loc, .loc.xml, .locb, and .lox. The newer locator format is composed of the files .loc and .loz.

- Support for developing with and deploying apps to Windows 10, Versions 1803 (Build 17134) and 1809 (Build 17763), is deprecated. With the 100.12 release, the minimum will be Windows 10 Version 1909 (Build 18363).
- The ArcGISRuntime.Toolkit.Controls and ArcGISRuntime.Toolkit.Dialogs modules were deprecated in release 100.10 and have been removed from this release. The replacement module in this release, ArcGISRuntime.Toolkit, offers improvements in the areas of Widgets, app integration, palette/font support, and an MVC architecture that together allow for easier contributions and maintenance. More details can be found in this blog: <https://community.esri.com/t5/arcgis-runtime-sdks-blog/building-a-better-toolkit/bap/888826>
- The Positioning plugin on Windows is deprecated and will no longer be shipped in a future release of ArcGIS Runtime SDK for Qt. This includes QtPosition_WinLocation.dll, SerialPortNmea.dll, and WindowsLocationPlatform.dll. This plugin was provided with the SDK to support obtaining current location on a Windows system, however Qt 5.15 now supports positioning on Windows with the base install of the Qt framework.
- Version 100.10: (Added February 2021)
 - The classic geocode locator format (*.loc) will not be supported after ArcGIS Runtime version 100.11. With the 100.12 release, only the new (*.loz) locator format, originally introduced with ArcGIS Pro 2.3 and ArcGIS Runtime 100.5, will be supported.
 - Support for iOS 12 is deprecated. With 100.11, the minimum will be iOS 13.
 - Support for macOS 10.14 (Mojave) is deprecated. With 100.11, the minimum will be macOS 10.15 (Catalina).
- Version 100.9: (Added June 2020)
 - The classic geocode locator format (*.loc) will not be supported after ArcGIS Runtime version 100.9. With the 100.10 release, only the new (*.loz) locator format, introduced with ArcGIS Pro 2.3 and ArcGIS Runtime 100.5, will be supported.
 - Support for Android API levels 21 and 22 (Android 5.x, Lollipop) is deprecated. With the 100.10 release, the minimum will be API level 23 (Android 6.0, Marshmallow).
 - Support for ArcGIS Desktop 10.x packages with ArcGIS Runtime Local Server is deprecated. Version 100.9 will be the last ArcGIS Runtime Local Server release to support ArcGIS Desktop 10.x packages. The next release of ArcGIS Runtime Local Server will require packages to be created with ArcGIS Pro.
 - The following ArcGIS Pro geoprocessing Tools will be deprecated with the next release of Local Server:
 - Cost Allocation
 - Cost Back Link
 - Cost Connectivity
 - Cost Distance
 - Cost Path
 - Cost Path as Polyline
 - Euclidean Allocation
 - Euclidean Direction
 - Euclidean Distance
 - Path Distance
 - Path Distance Allocation
 - Path Distance Back Link
- Version 100.8: (Updated June 2020)
 - Qt Framework 5.12.6 is deprecated in this release. A minimum of 5.15 LTS will be required at the next release.
 - Support for Red Hat Enterprise versions 7.4 and 7.5 is deprecated in this release. A minimum of Red Hat Enterprise 7.6 will be required at the next release.
 - Support for Ubuntu 16.04 LTS is deprecated in this release. A minimum of Ubuntu 18.04 LTS will be required at the next release.
 - Support for Citrix XenDesktop 7.6 is deprecated. Customers are encouraged to migrate

- to Citrix new product line, branded Citrix Virtual Apps and Desktops. A minimum of Citrix Virtual Apps and Desktops 7 1912 LTSR will be supported at the next release.
- The classic geocode locator format (*.loc) will not be supported after ArcGIS Runtime version 100.9. After that release, only the newer *.loz locators, introduced with ArcGIS Pro 2.3 and ArcGIS Runtime 100.5, will be supported.
 - ArcGIS Runtime Local Server version 100.9 will be last release to support ArcGIS Desktop 10.x packages (created in ArcMap). The release of ArcGIS Runtime Local Server after 100.9 will require packages to be created with ArcGIS Pro. Note, ArcGIS Runtime Local Server can be used with newer versions of the ArcGIS Runtime SDKs for Qt.
 - Version 100.7: (Added March 2020 and Updated April 2020)
 - Support for Android API level 19 (Android 4.4, KitKat) is deprecated. With the 100.8 release, the minimum will be API level 21 (Android 5.0, Lollipop).
 - Support for iOS 11 is deprecated. With the 100.8 release, the minimum will be iOS 12.
 - Support for ArcGIS Desktop 10.x packages with ArcGIS Runtime Local Server is deprecated. Version 100.8 will be the last ArcGIS Runtime Local Server release to support ArcGIS Desktop 10.x packages. The next version will require packages to be created with ArcGIS Pro.
 - ArcGIS Runtime Local Server version 100.9 will be last release to support ArcGIS Desktop 10.x packages (created in ArcMap). The release of ArcGIS Runtime Local Server after 100.9 will require packages to be created with ArcGIS Pro. Note: ArcGIS Runtime Local Server can be used with newer versions of the ArcGIS Runtime SDKs for Qt.
 - Support for VMWare Horizon View 6.5 is deprecated. A minimum of VMWare Horizon 7.0 will be required at the next release.
 - Support for Citrix XenDesktop 7.17 and 7.18 is deprecated. A minimum of Citrix XenDesktop 7.6 will be required at the next release.
 - Support for Citrix Virtual Apps and Desktops 7 1909 is deprecated. A minimum of Citrix Virtual Apps and Desktops 7 1912 LTSR will be required at the next release.
 - Support for Windows 7 is deprecated. With the 100.8 release, the minimum will be Windows 10 version 1803.
 - Support for Windows 10 version 1709 is deprecated. With the 100.8 release, the minimum will be Windows 10 version 1803.
 - Version 100.6: (Added August 2019 and Updated February 2020)
 - Support for Windows 7 is deprecated. The last release to support Windows 7 will be version 100.7.
 - Support for Windows 10 version 1703 is deprecated. With the 100.7 release, the minimum will be Windows 10 version 1709.
 - Support for SuSE 12 is deprecated. With the 100.7 release, the minimum will be SuSE 15.
 - Support for Red Hat Enterprise Linux Server versions 7.0-7.3 is deprecated. With the 100.7 release, the minimum will be 7.4.
 - On Red Hat systems, support for the GCC 4.x compiler is deprecated. With the 100.7 release, the minimum will be GCC 5.3.1.
 - Support for macOS 10.13 (High Sierra) is deprecated. With the 100.7 release, the minimum will be macOS 10.14 (Mojave).
 - 3D model formats DXF, X, PLY, STL, IFC, BLEND are deprecated.
 - Version 100.3:
 - Support for iOS 10 is deprecated. With the 100.5 release, the minimum will be iOS 11.
 - Support for Ubuntu 14.04 is deprecated. With the 100.5 release, the minimum will be Ubuntu 16.04.
 - Support for macOS Sierra (version 10.12) is deprecated. With the 100.4 release, the minimum will be macOS High Sierra (10.13).
 - Version 100.2:

- This is the last release to support:
 - Android development for API levels 15(Android 4.0.3-4.0.4), 16 (Android 4.1-4.1.1), 17 (Android 4.2 - 4.2.2), and 18 (Android 4.3). With the 100.3 release, the minimum will be API 19 (Android 4.4).
 - Windows 32-bit support for Qt. Customers who require Windows 32-bit support for ArcGIS Runtime SDK 100.2 for Qt will need to request it.
- Version 100.1:
 - This is the last release to support:
 - macOS El Capitan (version 10.11). The 100.2 release will support macOS Sierra (version 10.12) and macOS High Sierra (version 10.13).
 - Qt SDK versions 5.6.2, 5.8, 5.9.0 and 5.9.1. With the 100.2 release, the minimum will be Qt SDK 5.9.2.
 - Visual Studio 2015 compiler. With the 100.2 release, the minimum will be the Visual Studio 2017 compiler.
 - iOS 9. With the 100.3 release, the minimum will be iOS 10.
- Version 100.0:
 - This is the last release to support:
 - XCode versions older than 8.2.x. With the 100.1 release the minimum will be XCode 8.2.1.
 - Qt SDK version 5.7.x. The Qt Company is not releasing patches on this version any longer.



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