



Deprecated Features

Year-End 2018

Deprecated Features Plan for Year-End 2018 for ArcGIS Desktop, ArcGIS Enterprise, ArcGIS Online, Survey 123 for ArcGIS, and ArcGIS Runtime SDK 100.x.

The deprecated features plan for ArcGIS is updated twice a year roughly in line with every ArcGIS release.

With each release, we assess the platforms we support and the functionality in the ArcGIS platform and adjust 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 outlines the planned changes in platform and functionality with the release of ArcGIS 10.7, ArcGIS Online December 2018, and ArcGIS Runtime SDK 100.x. This document also includes for reference the ArcGIS 10.6.1 and earlier Runtime SDK 100.x deprecated feature notes.

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

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

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Year-End 2018 update

ArcGIS Desktop, Engine and ArcReader 10.7 (added December 2018)

Support for Windows 7

ArcGIS Desktop, Engine, and ArcReader 10.7.x will be the last releases to support Windows 7. Please be aware that Microsoft ended mainstream support for Windows 7 on January 13, 2015 and extended support ends on January 14, 2020. As such Windows 7 will not be supported with 10.7.x, and earlier versions of Desktop, Engine and ArcReader after Jan 2020. Esri highly recommends customers start planning to move their ArcGIS Desktop, Engine, and ArcReader workloads to a newer version of Windows such as Windows 10 well before (i.e. 2019) of the January 14, 2020 retirement date.

ArcGIS for AutoCAD (added December 2018)

Support for Windows 7

The update for ArcGIS for AutoCAD scheduled for release in 2019 will not support Windows 7. Please be aware that Microsoft ended mainstream support for Windows 7 on January 13, 2015 and extended support ends on January 14, 2020. As such Windows 7 will not be supported with the ArcGIS for AutoCAD 2019 release. Esri highly recommends customers start planning to move their ArcGIS for AutoCAD workloads to a newer version of Windows such as Windows Server 10 ahead of the 2020 retirement date.

Support for 32-bit SQL Server 2014 Express

ArcGIS Desktop 10.7.x series of releases will be the last releases to include a 32-bit version of SQL Server Express. Future releases will only include a 64-bit version of SQL Server Express and will require a 64-bit operating system.

Insights Release Planned March 2019 (added December 2018)

Planned March 2019 release – Insights support for ArcGIS Enterprise 10.6 and 10.5.1

With the release planned March 2019, Insights will no longer support ArcGIS Enterprise 10.6, nor 10.5.1. Organizations needing to deploy Insights March release will need to be on ArcGIS Enterprise 10.7 or 10.6.1. Insights 3.1 will be the last release to be supported on ArcGIS Enterprise 10.6 and 10.5.1.

ArcGIS Online (added December 2018)

ArcGIS Online December 2018 Release

With the December release Traditional Chinese is no longer supported in Help, Maps and Apps Gallery, Story Map Crowdsourcing, Compare Analysis, Compare Scenes, Map Carousel, Map Tools, and

Simple Map Viewer are retired (officially, they are in Mature Phase and no longer in the app gallery, but in reality they're deprecated).

Mid-Year 2018 update

ArcGIS Enterprise 10.7 (added October 2018)

Support for Windows Server 2008 R2 (new)

ArcGIS Enterprise 10.7.x will be the last release series to support Windows Server 2008 R2. Please be aware that Windows Server 2008 R2 will be retired by Microsoft on January 24th, 2020. After this date Windows Server 2008 R2 will not be a supported operating system for any version of ArcGIS for Server and ArcGIS Enterprise. Esri highly recommends customers start planning to move their server workloads to a newer version of Window Server such as Windows Server 2016 ahead of the 2020 retirement date.

Support for ArcGIS Server custom identity stores (new)

ArcGIS Enterprise 10.7.x will be the last release series to support for ArcGIS Server custom identity stores built with [ASP.NET](#) and [Java](#). Esri recommends moving to ArcGIS Enterprise and use a technology such as enterprise logins based on SAML to integrate with identity stores beyond Active Directory and LDAP.

Support for database enforced user-level security in Oracle databases (new)

ArcGIS Enterprise 10.7.x will be the last release series to support the database enforced user-level security features for Oracle that is described in the [Integrating ArcGIS Server security with an Oracle database](#) help topic. This feature was limited in functionality and only applied to map services. Esri recommends looking at alternative configurations to provide similar security. Options include hosted feature layer views for hosted layers and building a custom [Server Object Interceptor](#) (SOI) for server-based layers published from ArcMap or ArcGIS Pro.

Support for Operations Dashboard (added November 2018)

Following the release of the new Operations Dashboard experience alongside ArcGIS Enterprise 10.6, the old Operations Dashboard 10.3.4 is retiring on January 1st, 2019. Beginning with ArcGIS Enterprise 10.7 the old Operation View items can no longer be created, and existing items can no longer be edited. The Windows application will not be provided for download alongside ArcGIS Enterprise 10.7 via My Esri. In the next major release of ArcGIS Enterprise, old Operation View items will no longer be able to be opened. Esri encourages all users of the old Operations Dashboard application to move their dashboards to the new web-centric experience and make use of the many enhancements available with the new Dashboard items.

ArcGIS Desktop and Engine 10.6.1 (added October 2018)

Support for customizations with Java add-ins in ArcGIS Desktop (new)

Earlier this year Oracle announced significant changes to their licensing and support of Java. This

required us to evaluate our options and come up with plans that support our product needs and our commitment to our customers. After a thorough evaluation, Esri has made the decision that ArcGIS Desktop 10.7 and ArcGIS Engine 10.7 will ship with the AdoptOpenJDK JRE, replacing Oracle's JRE.

After January 31, 2019, the Java runtime environment that is part of ArcGIS Desktop versions 10.6.1 and earlier will no longer receive updates. This is not really a change as Esri has not updated Java in released software already in production in the field. We have always updated Java in our next release. What has changed is that our next release will ship with the AdoptOpenJDK JRE instead of Oracle's JRE. While no existing Java add-ins will stop working on these releases of ArcGIS Desktop, Esri understands that customers and partners will want to run in a fully supported environment that minimizes security risk. Esri encourages all customers and partners relying on Java-based add-ins to immediately begin exploring the following options:

1. Migrate applications and add-ins to ArcGIS Desktop 10.7. ArcGIS 10.7 is expected to be released at the end of Q1 2019.
2. Begin migrating their existing ArcMap add-in workflows to ArcGIS Pro and customize with the ArcGIS Pro SDK
3. Begin migrating their existing ArcMap add-ins to .NET

Note: This does not apply to developers working in Java to create and deploy extensions (SOEs and SOIs) for ArcGIS Server. All supported versions of ArcGIS Server will continue receiving Java security updates as needed.

Support for ArcGIS Engine 10.6.1 and earlier (new)

Earlier this year Oracle announced significant changes to their licensing and support of Java. This required us to evaluate our options and come up with plans that support our product needs and our commitment to our customers. After a thorough evaluation, Esri has made the decision that after January 31, 2019, all existing ArcGIS Engine applications deployed using ArcObjects SDK for Java with ArcGIS Engine version 10.6.1 and earlier will no longer receive updates. This is not really a change as Esri has not updated Java in released software already in production in the field. We have always updated Java in our next release. What has changed is that our next release will ship with the AdoptOpenJDK JRE instead of Oracle's JRE. While no existing ArcGIS Engine application will stop working on these releases, Esri understands that customers and partners will want to run in a fully supported environment that minimizes security risk. Esri encourages all customers and partners with ArcGIS Engine applications, deployed with ArcObjects SDK for Java, to immediately begin exploring the following options:

1. Migrate ArcGIS Engine Java applications to use the ArcGIS Runtime SDK for Java 100.4.
2. Migrate ArcGIS Engine Java applications to ArcGIS 10.7 to continue Esri support.
3. Rewrite ArcGIS Engine Java applications to use ArcObjects SDK for .NET.

ArcGIS Enterprise 10.6.1

Support for Altibase DBMS (updated October 2018)

ArcGIS 10.6.1 will be the last release to support Altibase. If you are using Altibase with ArcGIS, we want to hear from you. Please email Altibase_Questions@esri.com

ArcGIS Online (added November 2018)

Support for Operations Dashboard (new)

Following the December 2017 release of Operations Dashboard, the old Operations Dashboard 10.3.4 is retiring on January 1st, 2019. Beginning with the March 2019 release of ArcGIS Online the old Operation View items can no longer be created, and existing items can no longer be edited. The Windows application will no longer be available for download in the marketplace. Esri encourages all users of the old Operations Dashboard application to move their dashboards to the new web-centric experience and make use of the many enhancements available with the new Dashboard items. In a future update to ArcGIS Online, old Operation View items will no longer be able to be opened. Esri encourages all users of the old Operations Dashboard application to move their dashboards to the new web-centric experience and make use of the many enhancements available with the new Dashboard items.

Survey123 for ArcGIS

Support for Portal for ArcGIS 10.3.1

Starting with version 3.0 of Survey123 (to be released in July 2018), we will no longer support Portal for ArcGIS 10.3.1.

ArcGIS API for JavaScript

Support for Internet Explorer 9 and 10

Esri is announcing that version 3.24 was the last release of the ArcGIS API for JavaScript that supported Internet Explorer 9 and 10. Microsoft ended support for Internet Explorer in 2016. Subsequent releases will not be tested or supported on these browsers. Esri recommends customers to move a modern browser such as Microsoft Edge, Google Chrome, Mozilla Firefox, or at the very least Internet Explorer 11.

Year-End 2017 update

ArcGIS Enterprise 10.6

Support for SUSE Linux Enterprise Server 11

ArcGIS Enterprise 10.6.x will be the last major release series to support SUSE Linux Enterprise Server 11. The next major release after ArcGIS Enterprise 10.6 will continue to support SUSE Linux Enterprise Server 12.

Support for Multiple Clusters with ArcGIS Server

ArcGIS Enterprise 10.6.x will be the last major release series to support multiple clusters with ArcGIS Server. This was previously deprecated at ArcGIS Enterprise 10.5.1 and we are now announcing the official removal of that feature from the product in the next major release. Users with multiple clusters are strongly encouraged to migrate to a different deployment pattern to avoid disruption at later releases.

Support for the AMF Format

ArcGIS Enterprise 10.6.x will be the last major release series to support AMF output from services hosted by ArcGIS Server. The AMF format was used by the now retired ArcGIS API for Flex and ArcGIS Viewer for Flex. We recommend all developers to explore Web based solutions based on the ArcGIS API for JavaScript. For applications using ArcGIS Viewer for Flex, we encourage considering Web AppBuilder for ArcGIS.

Support for direct upgrades from ArcGIS Server 10.1

ArcGIS Enterprise 10.6.x will be the last major release series to support direct upgrades from version 10.1 of the ArcGIS Server software component. Future releases will support upgrades from version 10.2 onwards.

Support for ArcGIS Server Cloud Builder for Amazon Web Services

ArcGIS Enterprise 10.6.x will be the last major release series to include the [ArcGIS Server Cloud Builder for Amazon Web Services](#). Esri intends to provide a new ArcGIS Enterprise Cloud Builder for AWS at a later release to provide a similar wizard-driven interface for deploying the full ArcGIS Enterprise stack. In the meantime, we encourage all customers to consider migrating to the newer [CloudFormation templates](#) available for deploying on AWS.

Support for SQL Server 2012

ArcGIS 10.6.x will be the last release where we support SQL Server 2012. Mainstream support for SQL Server 2012 SP3 ended on 7/11/2017 and extended support will end at 7/12/2022. The current life cycle for ArcGIS 10.5 extends to December 1, 2022. So, a customer moving to ArcGIS 10.6 would be covered through the extended support for SQL Server 2012. Note we are planning to begin support of SQL Server 2017, schedule to be released in October, with ArcGIS 10.6.

Support for creating a geodatabase in a user's schema in Oracle

We are announcing the deprecation of the creation of new user schema geodatabases in Oracle. ArcGIS 10.6.x and the companion release of ArcGIS Pro will be the last release to support creation. At 10.6.x upgrade and connection to existing user-schema geodatabases will still be supported, though not recommended. The ability to upgrade or connect will be deprecated in subsequent releases. Please note that we have had the following warning in our documentation since 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 for PostgreSQL 9.4 (new February 2018)

ArcGIS 10.6 will be the last release where we support PostgreSQL 9.4, which was released in December 2014. Beginning with the ArcGIS 10.6.1 release we are adding support for PostgreSQL 10 and we will be dropping support for PostgreSQL 9.4.

Support for SQLite 3.8.4.3 and 3.9.1 (new February 2018)

ArcGIS 10.6 will be the last release where we support SQLite 3.8.4.3 and 3.9.1. Beginning with the ArcGIS 10.6.1/Pro 2.2 release we are adding support for SQLite 3.22.0 and we will be dropping support for SQLite 3.8.4.3 and 3.9.1. We will continue support at ArcGIS 10.6.1/Pro 2.2 for SQLite 3.14.1, 3.16.2, 3.19.3 compatibility with non-Esri software.

Survey123 for ArcGIS (new February 2018)

Support for 32-bit iOS devices (iPhone5/5C, iPad 4th generation, iPad mini 1st generation and prior):

Survey123 for ArcGIS version 2.8 will be the last release to support 32-bit iOS devices; these include the iPhone 5, iPhone 5C, iPad 4th generation and prior devices. The next release after 2.8 will support 64-bit devices (iPhone 5S, iPad Air, iPad mini 2 and later) only.

Support for iOS 9:

Survey123 for ArcGIS version 2.8 will be the last release to support iOS 9. In the next release, the minimum will be iOS 10.

Support for macOS:

Survey123 for ArcGIS version 2.8 will be the last release to support macOS El Capitan (version 10.11). The next release will support macOS Sierra (version 10.12) and macOS High Sierra (version 10.13).

Support for Android:

Survey123 for ArcGIS version 2.8 will be the last release to support Android 4.0.3-4.0.4 (Ice Cream Sandwich) and Android 4.1-4.3.1 (Jelly Bean). In the next release, the minimum Android version will be Android 4.4 (KitKat).

Insights for ArcGIS 2.3 (new May 2018)

Support for Teradata Database

Insights for ArcGIS 2.3 (April/May 2018 release) will be the last release where Insights in ArcGIS Online and Insights in ArcGIS Enterprise supports Teradata database. The next release of Insights for ArcGIS 3.0 (July 2018) will not support Teradata. This decision is driven by customer usage and customer demand for Insights supporting Teradata.

ArcGIS Runtime SDKs 100.x (Year-End 2018 Update)

ArcGIS Runtime SDK for macOS

Support for macOS (new)

ArcGIS Runtime SDK for macOS 100.5 will be the last release of a dedicated ArcGIS Runtime SDK for macOS. If you are currently using ArcGIS Runtime SDK for macOS we encourage you to consider our ArcGIS Runtime SDKs for Java or Qt.

ArcGIS Runtime SDKs 100.x (Mid-Year 2018 Update)

ArcGIS Runtime SDK for Android

- Version 100.3:
 - The following list includes deprecations in the API and the replacement API:
 - `com.esri.arcgisruntime.arcgisservices` package:
 - `LayerTimeInfo.getTimeInterval()` method - use `LayerTimeInfo.getInterval()` instead.
 - `LayerTimeInfo.getTimeUnit()` method - use `LayerTimeInfo.getInterval()` instead.
 - `ServiceTimeInfo.getDefaultTimeInterval()` method - use `ServiceTimeInfo.getDefaultInterval()` instead.
 - `ServiceTimeInfo.getDefaultTimeIntervalUnit()` method - use `ServiceTimeInfo.getDefaultInterval()` instead.
 - `com.esri.arcgisruntime.tasks.geodatabase` package:
 - `GeodatabaseSyncTask.importGeodatabaseDeltaAsync(Geodatabase,String)` method - use `GeodatabaseSyncTask.importDeltaAsync(Geodatabase,String)` instead.
 - `com.esri.arcgisruntime.geometry` package:
 - `LineSegment.createLineAtAngleFrom(Point,double,double)` method - use `LineSegment.createLineAtAngleFromPoint(Point,double,double)` instead.
 - `com.esri.arcgisruntime.portal` package:
 - `PortalItemContentParameters.PortalItemContentType` enum `SERVICE_URL` member - use `URL` member instead.
 - 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 100.3:
 - Support for iOS 10 is deprecated. With the 100.5 release, the minimum will be iOS 11.
- Version 100.1 is the last release to support:
 - XCode 8. With the 100.2 release, the minimum will be Xcode 9.
 - iOS 9. With the 100.2 release, the minimum will be iOS 10.
- Version 100.0:
 - Will not support iOS 8. Only iOS 9 and 10 will be supported.

ArcGIS Runtime SDK for Java

- 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 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 100.3 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 is the last release to support:
 - XCode 8. With the 100.2 release, the minimum will be XCode 9.
 - 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 100.3:
 - 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 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 100.3:
 - 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 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 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 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.

ArcGIS Runtime SDKs 100.x (Year-End 2017 Update)

ArcGIS Runtime SDKs 100.x

ArcGIS Runtime SDK for Android [new added 12-28-2017]

- 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). In the next release, the minimum will be API 19 (Android 4.4).

ArcGIS Runtime SDK for iOS [new added 12-28-2017]

- Version 100.1 is the last release to support:
 - XCode 8. In the next release, the minimum will be Xcode 9.
 - iOS 9. In the next release, the minimum will be iOS 10.

ArcGIS Runtime SDK for Java [updated 12-28-2017]

- Version 100.1 is the last release to support:
 - macOS El Capitan (version 10.11). The next release will support macOS Sierra (version 10.12) and macOS High Sierra (version 10.13).

ArcGIS Runtime SDK for macOS [updated 12-28-2017]

- Version 100.1 is the last release to support:
 - XCode 8. In the next release, the minimum will be Xcode 9. [new]
 - macOS El Capitan (version 10.11). The next release (100.2) will support macOS Sierra (version 10.12) and macOS High Sierra (version 10.13).

ArcGIS Runtime SDK for .NET [new added 12-28-2017]

- Version 100.2 is the last release to support:
 - NET Framework versions 4.5.2 and 4.6. In the next release, the minimum will be 4.6.1.
 - Development with Visual Studio 2012 or 2013. In the next 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). In the future, the minimum will be API 19 (Android 4.4).
 - Xamarin.iOS development for iOS 9. In the next 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). In the next release, the minimum will be version 1709 (OS build 16299), which is also known as the Fall Creators Update.

ArcGIS Runtime SDK for Qt [updated 12-28-2017]

- Version 100.1 is the last release to support:
 - macOS El Capitan (version 10.11). The next 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. In the next release, the minimum will be Qt SDK 5.9.2.
 - Visual Studio 2015 compiler. In the next release, the minimum will be the Visual Studio 2017 compiler.
 - iOS 9. In the next release, the minimum will be iOS 10. [new]
- Version 100.2 is the last release to support: [new added 12-28-2017]
 - 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). In the next 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.