# AKUR8
# RESERVING

# Arius
## 2025a

Release Notes and
Installation Instructions

# Release Notes

## Fixes and usability improvements in this release

### Arius Deterministic

• Resolved an issue affecting Arius projects, wherein removing the oldest exposure periods could cause incorrect values in Historical Arrays. In some cases, negative or overwritten values could appear in the Prior Row and subsequent rows for certain columns.

• Fixed a scenario where Arius unexpectedly closed without any message when saving an APJ file after appending a new evaluation period in large projects.

### Arius Enterprise

• Addressed sporadic issues where users experienced intermittent failures when opening Arius Enterprise projects with the error message "Exception in CompleteProjectLoad." This fix eliminates the need for previous workarounds (e.g., recategorizing exhibits or adjusting formulas in UDO methods).

### Triangles on Demand

• Corrected an issue where ToD drill-downs returned no results when using triangles loaded from a ToD Secondary Database.

## Additional Changes

### Installer Updates

• Default installation folder is updated to ..\Akur8.

• Users now have the option of whether to install MATLAB Runtime; it is no longer required for users who only license Arius Deterministic (i.e., not Stochastic), or for those using Stochastic as a Service.

Updated code-signing certificate (valid through August 2, 2028).

### Branding Updates

• Refreshed branding to reflect Akur8 (updated splash screen, About page, Enterprise landing page, etc.).

## Stochastic as a Service

Stochastic as a Service users will no longer require MATLAB Runtime installation in version 2025a. For details, see the separate Stochastic as a Service documentation.

## File compatibility

Arius Desktop project files (.APJ) created in version 2025a can be opened by users in the 2023b build. Project files created in version 2023b can also be opened in version 2025a.

Important: An Arius Enterprise (AE) site installation must be upgraded to 2025a before users can connect to it with the updated (2025a) desktop application. Always ensure that your AE site has been upgraded before installing or using the 2025a desktop version, and that you are running the correct version for compatibility with your site portal and other users.

## Telemetry data

For purposes of future enhancement, Arius has the means to gather data on the use and performance of specific features as well as general usage statistics of the software. It does not have the ability to relate any such usage to specific users.

# Installation Requirements

**System requirements for the basic Arius system are as follows:**

• Minimum operating system: Microsoft Windows 10, 64-bit version

• Minimum hard disk space: 5 GB

• Minimum RAM: 8 GB, though more is recommended

• Related tools: Microsoft Office 2019 or newer. Arius and its API support both 32-bit and 64-bit versions of Microsoft Office. Arius requires the Microsoft .NET Framework 4.7.2 or newer and Microsoft Visual C++ 2015-2022 Redistributable (x64). Most Windows installations likely already have this; you can confirm it at **Control Panel | Programs and Features.**

• An internet connection for license authentication at http://admin.actuariasloftware.com.

# Installation Steps

*Note: Administrator privileges are required to perform this installation.*

With this release, the installation process is simplified. MATLAB Runtime is no longer required for Arius Deterministic users who do not also license Arius Stochastic, or for those using Stochastic as a Service.

# Installation Steps:

**1.** Close any existing version of Arius and all Excel workbooks before beginning the Arius installation.

**2.** Click the Download link and Save (do not Open!) AriusSetup-2025a.exe onto your computer.

**3.** Locate the downloaded file. Right-click on the EXE file and select Run as Administrator.

- The installer will automatically uninstall any prior version of Arius. This does not affect existing data files.

- During installation, you may be prompted to install MATLAB Runtime.

    - •• Select **No**

        - if you are not licensed for Arius Stochastic, or

        - if you plan to use the Arius Stochastic as a Service solution.

        Installation will complete and Arius will run normally without MATLAB.

    - •• Select Yes if you have an Arius Stochastic license and plan to run stochastic models only locally. This will guide you through downloading and installing the MATLAB Run time. If you install MATLAB at this point, you will then restart the Arius installation to complete the process.

- You may also see the system installing the Microsoft Visual C++ 2015-2022 Redistributable (x64) library. This is required for Arius 2025a, and if it is not present on your computer, the install routine installs it directly from the Microsoft downloads server.

- Arius also requires that the Microsoft .NET Framework version 4.7.2 is installed with your operating system. This is likely already true for most users. However, if the installation ro tine detects that this is necessary, your IT team may need to download this from Microsoft and install it.

- Once installation is complete, you can delete the AriusSetup-2025a.exe installer file.

# Important Notes:

If you need to reinstall an earlier version (e.g., Arius 2023b), you must first **manually uninstall Arius 2025a**. Older installers may not fully remove the 2025a build.

## To uninstall Arius 2025a:

1. Open **Control Panel | Programs | Programs and Features**.

2. Locate **Arius** in the list of installed programs.

3. Select **Uninstall** and choose to remove all components.

4. **If Arius 2025a still appears after reinstalling Arius 2023b:**

   a. Go to C:\ProgramData\Akur8\Setup\

   b. Right-click **Arius.msi** in that folder and select **Uninstall**.

   c. Then re-run the Arius 2023b (or any other earlier version) installer as usual.

# Additional Information

After installation, the application is listed as **Arius** in your **Start|All Programs** listing.

The system installs with five sample project files. Depending on your computer's configuration, they can be found at:

*C:\Users\<yourname>\Documents\Akur8\Arius\DemoFiles, or*

*C:\Users\<yourname>\OneDrive\Documents\Akur8\Arius\DemoFiles*

1. **Arius_Sample.apj** – Sample data with 5 segments, a mix of short- and longer-tailed lines of business. This file is intended to give you a sense of the system's capabilities and a sampling of how the models can be set up with different assumptions for different lines. Note not all segments work with all models (like in the real world).

2. **Arius_Sample_Canadian.apj** – Sample WC data for Gross, Net, and Ceded layers. This file includes sample user-defined tables for calculating the Reinsurance Provision for Adverse Deviation as described in the user documentation *Canadian Provision for A verse Deviations and the section on Calculation Across Layers*.

3. **Arius_Stochastic_Sample.apj** – Sample data with 4 segments, showing a detailed i plementation of all four families of stochastic models.

4. **Arius_GLM_Case_Studies.apj** – Includes 5 different data sets or case studies to help explain several ways models can be parameterized to fit the sample data. This file a companies the case studies in the back of the User Documentation titled *Generalize Linear Model*.

5. **Hayne_Paper.apj** – Contains the data used in Dr. Roger Hayne's paper on *Maximu Likelihood Estimator approaches, A Flexible Framework for Stochastic Reserving Models.*