



AUTOMATION PORTAL

Release Notes

Version 4.6.3

July 2026

Introduction

The **Kelverion Automation Portal** is an easy to implement self-service front end for your automation solutions. It offers a versatile interface without the lengthy list of prerequisites required by other self-service portals available today.

The Automation Portal ethos is to **keep things simple and flexible**. The portal complements existing Automation platforms and does not attempt to replicate the automation platforms capability. Integration with the automation tools takes place via the Kelverion Automation Portal REST API with the support of Kelverion integrations for Automation Portal.

The Automation Portal was designed with **System Center Orchestrator and Azure Automation** in mind; however, it equally complements any automation platform or scripting language that can read and write to the Automation Portal database or that can use REST web services.

The Automation Portal is simple to implement, but more importantly it is easy for your end users to navigate, and by adding a simple web interface to your solutions you can allow users to easily interact with your automated solutions.

Trademarks

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Accessibility Statement

The [Web Content Accessibility Guidelines \(WCAG\)](#) defines requirements for designers and developers to improve accessibility for people with disabilities. It defines three levels of conformance: Level A, Level AA, and Level AAA. The Automation Portal is partially conformant with WCAG 2.1 level AA.

Important: The Automation Portal provides features to customize themes and colors. Making changes to themes and colors may result in the Automation Portal no longer conforming to WCAG requirements.

System Requirements

The Kolverion Automation Portal has the following system requirements:

- (On-Prem) Windows Server 2022
- (On-Prem) SQL Server 2019, or SQL Server 2022
- (On-Prem) Microsoft Active Directory
- (Azure) Windows Server 2022 Datacenter Azure Edition
- (Azure) Azure Database
- (Azure) Microsoft Entra ID cloud environment with Azure global services
- Web Server (IIS)
- Web Server (IIS) website certificate
- The [ASP.NET Core 10.0 Windows Hosting Bundle](#) must be installed.
- The [CORS](#) and [URL Rewrite 2.1](#) IIS modules must be installed.
- The Server Role **Web Server (IIS) > Web Server > Application Development > ASP.NET 4.8** must be enabled.
- The Server Role **Web Server (IIS) > Web Server > Security > Windows Authentication** must be enabled when using on-premises Active Directory.
- The [Microsoft.Graph.Applications \(2.37.0\)](#) and [Microsoft.Graph.Identity.SignIns \(2.37.0\)](#) PowerShell modules must be installed when using Azure Entra ID. The following PowerShell can be used to install these modules.

```
Install-Module -Scope AllUsers -Name Microsoft.Graph.Applications -Force -RequiredVersion 2.37.0
Install-Module -Scope AllUsers -Name Microsoft.Graph.Identity.SignIns -Force -RequiredVersion 2.37.0
```

System Specs

The following are the minimum recommended system specifications for the Automation Portal on-prem installation.

Portal Version	IIS Server Windows Server 2019 Windows Server 2022	SQL Server SQL Server 2019 SQL Server 2022	SQL Database Auto grow 64MB increments Full Recovery Mode
Starter	2 Cores, 8GB RAM	2 Cores, 8GB RAM	2 GB Data 1 GB Transaction Logs
Professional	2 Cores, 8GB RAM	2 Cores, 8GB RAM	2 GB Data 1 GB Transaction Logs
Enterprise	2 Cores, 16GB RAM each HA Node	2 Cores, 16GB RAM	2 GB Data 1 GB Transaction Logs
Unlimited	4 Cores, 16GB RAM each HA Node	2 Cores, 16GB RAM	2 GB Data 1 GB Transaction Logs

For Production deployments in Microsoft Azure, we recommend:

- A minimum of D series for Virtual Machines

- A minimum of Standard for the Azure SQL Database

Web Browser

The Automation Portal works with the following web browsers. Whichever browser you use, you must have support for **JavaScript** and **Cookies** enabled.

- Google Chrome 150.0
- Firefox 150.0
- Microsoft Edge 150.0

Automation Portal License

After installing the portal, you must provide a valid Keverion license to activate the portal.

Provide the **Server ID** value found on the **Setup > Settings** page to Keverion when requesting a license.

Alternatively run this PowerShell command on the target IIS server:

```
(Get-CimInstance -ClassName Win32_ComputerSystemProduct).UUID
```

To apply your license:

1. Select **Setup > Settings**.
2. In the **License** section, click **Upload license**.
3. Click **browse for files** or drag and drop a file into the drop-zone.
4. Click **Upload**.

Known Issues and Limitations

- Only export files from Automation Portal version 4.4 or later are supported for import. If you are currently using an earlier version of the Automation Portal, we recommend updating first to the latest version, and then exporting. For update details, please refer to the update sections applicable for your environment, under the portal **Installation** section of the Keverion Automation Portal Admin Guide.
- Multiple filters with the same filter name and filter operator are not currently supported.
- In rare cases, the portal may fail to load after the host machine has been shut down and restarted. If this occurs, the page will display a generic error message instead of loading normally. Restarting IIS on the server resolves the issue immediately. This does not affect portal operation under normal circumstances.

Change History

Version 4.6.3

- Added list value description and ordering.
- Fixed an issue where field ordering was not being persisted.
- Fixed an issue where multiple login windows were being displayed for on-premises Active Directory.

Version 4.6.2

- Fixed a memory issue that could cause excessive on-premises Active Directory load.
- User count lookups performance improvements and caching.

Version 4.6.1

- Added Entra ID certificate authentication support.
- Secured Entra ID client secret storage.
- Installer improvements.
- Swagger documentation improvements.
- Fixed group browser issues.
- Fixed markdown issue.

Version 4.6

- Added on-prem support for Active Directory with Windows Authentication.
- Added proxy settings configuration utility. Proxy settings are no longer configured in the portal Settings page. Use the proxy settings configuration utility instead.
- Configured proxy settings will now apply to all portal external traffic:
 - Azure Entra ID authentication
 - Azure Entra ID user and group information requests
 - Webhook integration external requests

Important: Prior to version 4.6, only webhook integration traffic was being routed through the proxy. If your portal environment had proxy settings configured before upgrading to 4.6, after the upgrade all portal traffic will be routed through the configured proxy.

- Fixed dashboard issue.
- Fixed request filtering issue.

Version 4.5

- Migrated from ASP.NET Core 8 to ASP.NET Core 10.
- Updated client libraries.
- Updated Create-AppRegistration.ps1 PowerShell modules.
- Fixed table multiple selection field maintaining selection across searches.
- Fixed cosmetic issues.
- Fixed filter issues.
- Fixed query and list in use count.

- Fixed table and list fields not resetting dependent fields.
- Fixed Pre-Fill URL with special characters.
- Fixed table field validation.
- Fixed removing offering markdown.
- Fixed clearing request table and list field values.
- Fixed clearing date, date/time and time field values.
- General improvements and bug fixes.

Version 4.4

- Added Requests by Status report.
- Added copy request.
- Added pre-fill URL.
- Added bulk wiki permission updates.
- Added file attachment download links to request details.
- Added custom favicon.
- Added Support for query input for single selection list.
- Fixed group search UI.
- Fixed date/time filter UI.
- Fixed admin list 'Use count' link.
- Fixed import issue with an offering that has markdown.
- Fixed cosmetic issues.
- Improved About page details.
- Improved installer.
- General improvements and bug fixes.

Version 4.3.2

- Added web proxy support for monitoring service.
- Added high availability support for monitoring service.
- Improved installer for high availability support.

Version 4.3.1

- Improved license details UI.
- Improved license notifications.

Version 4.3

- Added support for webhook integrations.
- Added Kelverion Automation Monitor Service to support webhooks and future integrations.
- Added a test connection button on the new/edit connection page.
- Added Always encrypted support to user defined connections.
- Improved API request state transition validation.
- Improved UI validation.
- Improved UI error handling.

- Fixed cosmetic issues.
- General improvements and bug fixes.

Version 4.2

- Added support for the Automation Portal Mobile iPhone App 2.0.
- The Create-AppRegistration.ps1 script can now run on any machine that has the necessary PowerShell modules installed.
- Improved request state transition validation.
- Fixed an issue where Operator search results included services without offerings.
- Fixed an issue where Operator search results included items belonging to admin groups.
- Fixed favorites issues for the Operator user role.
- Fixed issues related to enabling/disabling services/folders/offerings/wiki.
- Fixed issues related to user group selection in offerings.
- Fixed an issue where exporting an offering in a folder did not include list values.
- General improvements and bug fixes.

Version 4.1

- Added support for Azure Deployment.
- Added support for UI customization via themes.
- Added a new view for displaying services and offerings as tiles.
- General improvements and bug fixes.
- Fixed an issue with multiple select list values that have values that contain commas.
- Fixed an issue with filtering on Created and Updated dates.
- Fixed an issue with long services names not displaying correctly in the grid view.
- Fixed an issue with truncating service and offering names on the request details page.

Version 4.0

- Initial general available release of the NEW Kolverion Automation Portal.