



# INTEGRATION MODULE FOR KELVERION AUTOMATION PORTAL

*For Keverion Runbook Studio and Azure Automation*

## Release Notes

Version 2.2

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Microsoft  
Azure

Certified

# Introduction

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The **Kelverion Integration Module for Kelverion Automation Portal** is an Integration Module for **Runbook Studio** and **Azure Automation** that lets you integrate your runbooks with Kelverion Automation Portal.

*The integration module includes the following activities:*

<b>Approve-AutomationRequest</b>	Approves an Automation Portal request that is pending approval
<b>Deny-AutomationRequest</b>	Rejects an Automation Portal request that is pending approval
<b>Get-AutomationAttachmentContent</b>	Downloads the contents from an Automation Portal attachment
<b>Get-AutomationOffering</b>	Gets Automation Portal service offerings
<b>Get-AutomationRequest</b>	Gets Automation Portal requests
<b>Get-AutomationRequestAttachment</b>	Gets attachment records for an Automation Portal request
<b>Get-AutomationRequestData</b>	Retrieves data from an Automation Portal request
<b>Get-AutomationRequestHistory</b>	Gets history records for an Automation Portal request
<b>Get-AutomationService</b>	Gets Automation Portal services
<b>New-AutomationRequest</b>	Creates a new Automation Portal request
<b>New-AutomationRequestHistory</b>	Creates a new history record for an Automation Portal request.
<b>Remove-AutomationAttachment</b>	Removes one or more Automation Portal attachments
<b>Remove-AutomationRequest</b>	Removes one or more Automation Portal requests
<b>Set-AutomationRequest</b>	Updates an Automation Portal request

## System Requirements

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The Integration Module for Kelverion Automation Portal requires the following software to be installed and configured prior to implementing the integration. For more information on installing Kelverion Runbook Studio, please refer to the Kelverion Runbook Studio User Guide.

- Kelverion Runbook Studio 5.6
- Microsoft .NET Framework 4.7.2
- Kelverion Automation Portal for Azure 4.3, 4.2, 4.1

**Important:** This version adds new connection fields to support proxy servers. If you are importing this version to any Azure Automation accounts where previous versions of this module were

deployed, you must first remove all Keverion. AutomationPortal connection type and connection assets. For more information on removing connection type and connection assets, see Appendix A in the Integration Module for Keverion Automation Portal User Guide.

## Installing the Integration Module

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The easiest way to install and deploy the Integration Module for Keverion Automation Portal is from the PowerShell Gallery, but you can also download the module from Keverion and perform the steps manually.

You must install and deploy the Integration Module to each Azure Automation Account and hybrid runbook worker host system that you plan to use to run your runbooks. You must also install the Integration Module on any Runbook Studio host systems that you will be using to build and manage your runbooks.

### Using the PowerShell Gallery

Using the commands in the **PowerShellGet** module you can download the Integration Module for Keverion Automation Portal from the PowerShell Gallery and install it on your local computer. You can also deploy the module directly from the PowerShell Gallery to any of your Azure Automation Accounts.

#### *Install the integration module on your local computer or hybrid runbook worker:*

1. Confirm that you the PowerShellGet module is installed.
2. Start a PowerShell window as Administrator and run the command:

```
Install-Module -Name Keverion.AutomationPortal -Scope  
AllUsers
```

#### *Upload the integration module to an Azure Automation account:*

1. Go to the [PowerShell Gallery](#).
2. Click the **Azure Automation** tab.
3. Click **Deploy to Azure Automation**. You will be directed to Microsoft Azure.
4. Select the **Automation Account** that you want to deploy the module to.
5. Click **OK**.

### Manual Installation

Alternatively, you can download the Integration Module package from Keverion and deploy it manually to your local computer, hybrid runbook workers and Automation Accounts.

The download package from Keverion includes a **.zip** file containing the Integration Module as well as the User Guide and Release Notes. The following instructions assume that you have unzipped the download package and have access to the **.zip** file containing the Integration Module.

*Install the Integration Module on your local computer or hybrid runbook worker:*

1. Copy the **Kelverion.AutomationPortal.zip** file to your local computer.
2. Right-click on the file and select **Properties**.
3. Click the **General** tab. If necessary, click **Unblock**, and then click **OK**.
4. Unzip the **Kelverion.AutomationPortal.zip** file.
5. Copy the **Kelverion.AutomationPortal** folder to a location in the %PsModulePath% path.

**Important:** When installing the Integration Module on a hybrid runbook worker, you must use a location that is accessible to all users of the computer.

*Upload the integration module to an Azure Automation account:*

1. Sign into [Microsoft Azure](#).
2. Open the Automation Account that you want to upload the module to.
3. Click **Modules** under Shared Resources. The list of installed modules is displayed.
4. Click **Add a module** at the top of the list.
5. In the **Upload File** box, select the **Kelverion.AutomationPortal.zip** file that you downloaded.
6. Click **OK**. Importing the module may take several minutes.

## Licensing the Integration Module

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Licenses for Kelverion Integration Modules are managed and deployed using the *Kelverion Runbook Studio* and *Automation Connection Assets*.

*Register an integration module license with Runbook Studio:*

1. Open **Kelverion Runbook Studio**.
2. On the **File** tab, click **About**.
3. Click **License Information**.
4. Click the **Integration Modules** tab, and then click **Add License**.
5. Select the integration module license file (.kaml) and click **Open**.
6. You should see your entitlements displayed in the list.
7. Click **OK**.

**Important:** Entitlements will not display until after the Integration Module has been installed on the Runbook Studio computer.

*Create a connection asset with a license key and upload it to Azure:*

1. On the **Home** tab, click **Sign In**. The Sign In dialog appears.
2. Sign into your account.
3. In the **Active Azure Automation Account** box, select the account that you want to add the connection asset to.
4. Click **New Asset** and then click **Connection**. The New Connection dialog appears.
5. In the **Name** field, enter a name to identify the connection.
6. In the **Connection Type** field, select the desired connection type.
7. Enter the appropriate connection information in the provided fields.
8. Click **OK**.

*Update all connection assets license keys and upload them to Azure:*

1. On the **Home** tab, click **Sign In**. The Sign In dialog appears.
2. Sign into your account.
3. In the Explorer panel, click the **Azure (Online)** group.
4. Right-click the Azure Automation Account that contains the connection assets you want to update, and then click **Update License Keys**. A summary is displayed.

## Version History

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### Version 2.2

- Added support for web proxy servers.
- Improved error reporting of authentication and authorization failures.

### Version 2.1

- Fixed an issue with converting request field data for the **New-AutomationRequest** command when the value is not a constant data source (e.g. Activity output data source).
- Update the output from the **Get-AutomationRequestHistory** activity to include **RequestState** and **ActionType**.

### Version 2.0

- Added new activities to make it even easier to build runbooks that integrate with the Keverion Automation Portal.

### Version 1.0

- Initial general availability release.