



# INTEGRATION MODULE FOR AZURE INFRASTRUCTURE

*For Keverion Runbook Studio and Azure Automation*

## Release Notes

Version 1.1

February 2022

Microsoft  
Azure

Certified

# Introduction

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The Keverion Integration Module for Azure Infrastructure is a new Integration Module for **Runbook Studio and Azure Automation** that provides integration and automation capabilities for Azure resource management.

*The integration module includes the following activities:*

<b>Get-AzureKaResource</b>	Retrieves Azure resources.
<b>Get-AzureKaResourceGroup</b>	Retrieves Azure resource groups.
<b>Move-AzureKaResource</b>	Moves an Azure resource to another resource group.
<b>New-AzureKaResourceDeployment</b>	Deploys an Azure Resource Manager (ARM) template.
<b>Remove-AzureKaResource</b>	Removes an Azure resource.
<b>Remove-AzureKaResourceTag</b>	Removes a resource tag from an Azure resource.
<b>Remove-AzureKaVm</b>	Removes an Azure VM.
<b>Set-AzureKaResourceTag</b>	Sets a resource tag on an Azure resource.

# System Requirements

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The Integration Module for Azure Infrastructure requires the following software to be installed and configured prior to implementing the integration. For more information about installing and configuring Azure Infrastructure, refer to the respective product documentation.

- Keverion Runbook Studio 4.8
- Microsoft .NET Framework 4.7.2

## Installing the Integration Module

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The easiest way to install and deploy the Integration Module for Azure Infrastructure 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 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 Keverion Integration Module for Azure Infrastructure 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 Worker:*

1. Confirm that the latest PowerShellGet module is installed.
2. Start a PowerShell window as Administrator and run the command:  
**Install-Module -Name Keverion.Azure.Infrastructure -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 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.

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

***Install the Integration Module on your local computer or any Hybrid Workers:***

1. Copy the **Keverion.Azure.Infrastructure.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 **Keverion.Azure.Infrastructure.zip** file.
5. Copy the **Keverion.Azure.Infrastructure** folder to a location in the %PsModulePath% path.

***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 **Keverion.Azure.Infrastructure.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 Keverion Integration Modules are managed and deployed using **Keverion Runbook Studio** and **Automation Connection Assets**.

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

***Register an Integration Module license with Runbook Studio:***

1. Open **Keverion Runbook Studio**.
2. In 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**.

***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 ribbon, click the **Home** tab, and then 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 1.1

- First General Availability release.

### Version 1.0

- Initial limited release.

## Known Issues

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In the New-AzureResourceDeployment activity when configuring parameters with a Constant Data source, you may be provided with a drop-down list. If the value you want is not on the list, change the Data source to PowerShell expression and enter the value in single quotes.