



# INTEGRATION PACK FOR ORACLE

*For Microsoft System Center Orchestrator*

For System Center 2016 and 2019, you must use the 32-bit version of the integration pack, which has the name **Keverion\_Integration\_Pack\_for\_Oracle\_3.2**

For System Center 2022 and later, you must use the 64-bit version of the integration pack, which has the name **Keverion\_IP\_for\_Oracle\_x64\_3.2**

## Release Notes

Version 3.2

January 2024

# Introduction

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The *Kelverion Integration Pack for Oracle* is an Integration Pack for *Microsoft System Center Orchestrator* that lets you manipulate and query data in Oracle databases.

*The integration pack includes the following activities:*

- Delete Rows
- Insert Rows
- Monitor Rows
- Select Rows
- Update Rows

## System Requirements

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The Integration Pack for Oracle requires the following software to be installed and configured before you deploy the integration. For more information about installing and configuring Orchestrator and Oracle, refer to the respective product documentation.

*Kelverion\_Integration\_Pack\_for\_Oracle (32-bit)*

- Microsoft System Center Orchestrator 2016, 2019
- Microsoft .NET Framework 4.6.2

*Kelverion\_IP\_for\_Oracle\_x64 (64-bit)*

- Microsoft System Center Orchestrator 2022
- Microsoft .NET Framework 4.6.2

*The following Oracle databases are supported:*

- Oracle 18c
- Oracle 18c
- Oracle 21c
- Oracle 23c

## Registering and Deploying the Integration Pack

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After you download the integration pack, you register the integration pack file with the Orchestrator management server, and then deploy it to runbook servers and computers that have the Runbook Designer installed.

**IMPORTANT:** Ensure that you are deploying the correct version of the Integration Pack.

- For System Center 2016 and 2019, you must use the 32-bit version of the integration pack, which has the name **Kelverion\_Integration\_Pack\_for\_Oracle**
- For System Center 2022 and later, you must use the 64-bit version of the integration pack, which has the name **Kelverion\_IP\_for\_Oracle\_x64**.

#### *To register the integration pack:*

1. On the management server, copy the **.OIP** file for the integration pack to a local hard drive or network share.
2. Confirm that the file is not set to **Read Only** to prevent unregistering the integration pack later.
3. Start the **Deployment Manager**.
4. In the navigation pane of the Deployment Manager, expand **Orchestrator Management Server**, right-click **Integration Packs** to select **Register IP with the Management Server**. The **Integration Pack Registration Wizard** opens.
5. Click **Next**.
6. In the **Select Integration Packs or Hotfixes** dialog box, click **Add**.
7. Locate the **.OIP** file that you copied locally from step 1, click **Open** and then click **Next**.
8. In the **Completing the Integration Pack Wizard** dialog box, click **Finish**.
9. On the **End User Agreement** dialog box, read the Keverion License Terms, and then click **Accept**.
10. The **Log Entries** pane displays a confirmation message when the integration pack is successfully registered.

#### *To deploy the integration pack:*

1. In the navigation pane of the **Deployment Manager**, right-click **Integration Packs**, click **Deploy IP to Runbook Server or Runbook Designer**.
2. Select the integration pack you want to deploy, and then click **Next**.
3. Enter the name of the runbook server or computers with the Runbook Designer installed, on which you want to deploy the integration pack, click **Add**, and then click **Next**.
4. Continue to add additional runbook servers and computers running the Runbook Designer, on which you want to deploy the integration pack. Click **Next**.
5. In the **Installation Options** dialog box, configure the following settings.
6. To choose a time to deploy the integration pack, select the **Schedule installation** check box, and then select the time and date from the **Perform installation** list.
7. Click one of the following:
  - a. **Stop all running runbooks before installing the integration pack** to stop all running runbooks before deploying the integration pack.
  - b. **Install the Integration Packs without stopping the running Runbooks** to install the integration pack without stopping any running runbooks.
8. Click **Next**.
9. In the **Completing Integration Pack Deployment Wizard** dialog box, Click **Finish**.
10. When the integration pack is deployed, the **Log Entries** pane displays a confirmation message.

For more information about how to install integration packs, see the [How to Install an Integration Pack](#).

## Version History

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### Version 3.2

- Fixed an issue where the **Select Rows** activity may fail with a 'ORA-00933: SQL command not properly ended' error when using the **Contains**, **Starts With** or **Ends With** filters.

### Version 3.1

- Added support for Oracle 21c and Oracle 23c.

### Version 3.0

- Added new 64-bit product version with support for System Center Orchestrator 2022.

### Version 2.5

- Added support for Oracle 19c.
- Added support for row limiting options to the **Select Rows** activity. **Important:** row limiting options, including **Select Top**, **By Percentage**, **Offset** and **With Ties** use features that were introduced with Oracle 12c Release 1. *If you are connecting to Oracle 11g Release 2 databases and using the Select Top option in your runbooks, you should not upgrade to this version of the integration pack.*
- Add support for NULL keyword when specifying property and filters values.

### Version 2.4

- Added support for Oracle 18c.

### Version 2.3

- Keverion.Management.dll update.
- New end user license agreement.
- Fixed problem with validating lower case or mixed case passwords when targeting Oracle 11g databases.

### Version 2.2

- General update to improve logging and diagnostics.

### Version 2.11

- Keverion.Management.dll update.

## Version 2.1

- Introduced a new licensing model that distinguishes evaluation, production, and non-production licenses. Evaluation licenses enable the integration pack to run on any Runbook Server and are valid for a specified number of days from the start of the evaluation. Production and non-production licenses enable the integration pack to run on a predefined set of Runbook Servers, the names of which must be provided to Keverion before the license can be generated. Furthermore, each license file can now enable multiple integration packs thus eliminating the need to have separate license files for each integration pack that you have in your environment. **IMPORTANT:** If you are upgrading an existing deployment of this integration pack you must contact your sales contact or [info@kelverion.com](mailto:info@kelverion.com) to obtain a new license before upgrading to this version.

## Version 2.0

- Added support for System Center 2012 R2 Orchestrator.

## Version 1.1

- Added support for System Center 2012 SP1 Orchestrator.