INTEGRATION PACK FOR CISCO PRIME INFRASTRUCTURE

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 **Kelverion_Integration_Pack_for_Cisco_Prime_Infrastructure_2.1**

For System Center 2022 and later, you must use the 64-bit version of the integration pack, which has the name **Kelverion_IP_Cisco_Prime_Infrastructure_x64_2.1**

Release Notes

Version 2.1

June 2024

Introduction

The **Integration Pack for Cisco Prime Infrastructure** is an add-on for System Center Orchestrator that enables you to integrate and automate functionality in your Cisco Prime Infrastructure environment.

The integration pack provides the following activities:

- Get Access Points
- Get Alarms
- Get Devices
- Get Events
- Monitor Alarms
- Monitor Events

System Requirements

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

Kelverion_Integration_Pack_for_Cisco_Prime_Infrastructure (32-bit)

- Microsoft System Center Orchestrator *2016, 2019*
- Microsoft .NET Framework 4.7.2
- Cisco Prime Infrastructure 3.8, 3.9, 3.10

Kelverion_IP_Cisco_Prime_Infrastructure_x64 (64-bit)

- Microsoft System Center Orchestrator 2022
- Microsoft .NET Framework 4.7.2
- Cisco Prime Infrastructure 3.8, 3.9, 3.10

Registering and Deploying the Integration Pack

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_Cisco_Prime_Infrastructure**
- For System Center 2022 and later, you must use the 64-bit version of the integration pack, which has the name **Kelverion_IP_Cisco_Prime_Infrastructure_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 Orchestrator 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 Kelverion 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 that 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.

Known Issues and Limitations

Due to Cisco Prime Infrastructure API rate limiting policy, it is recommended to organize runbook activities in a sequential manner to avoid high frequency request rate in your Prime Infrastructure environment. For more details, please refer to the Rate **Limiting Section** in the Kelverion Integration Pack for Cisco Prime Infrastructure User Guide.

Version History

Version 2.1

- Verified Integration Pack with Cisco Prime Infrastructure 3.10.

Version 2.0

- Added new 64-bit product version with support for System Center Orchestrator 2022.
- The Integration Pack now uses .Net Framework 4.7.2.

Version 1.8

- The Get Devices activity now publishes Manufacturer Part Numbers.
- Added the Get Access Points activity.
- The Integration Pack now uses .Net Framework 4.6.2.

Version 1.7

- The Integration Pack now supports Cisco Prime Infrastructure 3.9.
- TLS 1.0 and 1.1 are no longer supported.
- The Integration Pack is now using Cisco Prime Infrastructure REST API version 4, instead of version 1. For older versions of Cisco Prime Infrastructure which do not support REST API version 4, use the Kelverion Integration Pack for Cisco Prime Infrastructure version 1.6.
- The Get Devices activity no longer publishes the following fields, as they are no longer supported in the REST API version 4:
    - Cleared Alarms
    - Critical Alarms
    - Information Alarms
    - Major Alarms
    - Minor Alarms
    - Warning Alarms
- The Get Alarms activity now includes the following published data and filters:
    - Alarm Found At (UTC)
    - Last Modified At (UTC)
- The Get Devices activity now includes the following published data and filters:
    - Admin Status
    - Collection Time (UTC)
    - Creation Time (UTC)
- The Get Events activity now includes the following published data and filters:
    - Event Found At (UTC)
- The Monitor Alarms activity now includes the following published data:

    - Alarm Found At (UTC)
    - Last Modified At (UTC)
- The Monitor Devices activity now includes the following published data:
    - Collection Time (UTC)
    - Creation Time (UTC)

Version 1.6

- The Integration Pack now supports Cisco Prime Infrastructure 3.8.
- The Integration Pack now uses .Net Framework 4.5.2.

Version 1.5

- The Integration Pack now supports Cisco Prime Infrastructure 3.3 and 3.4.

Version 1.4

- The Integration Pack now supports Cisco Prime Infrastructure 3.2.
- Added support for TLS 1.1 and 1.2.
- Introduced new Configuration Option property **Skip Certificate Validation** to specify if the IP should be validating the server certificate. ***Note that the default value for this property is False and that IP activities may fail after the upgrade, if you were using a self-signed certificate, or if the specified Cisco Prime Infrastructure Server name was not listed on the certificate. Please, ensure that the server is configured with a valid certificate signed by a valid certificate authority and that the specified Cisco Prime Infrastructure Server name is listed on the certificate. Alternately, for a secure network environment when working with at trusted server, you may choose not to validate the server certificate.***

Version 1.3

- The Integration Pack now supports Cisco Prime Infrastructure 3.1

Version 1.2

- Update Kelverion.Management.dll.

Version 1.10

- Initial public release