



INTEGRATION PACK FOR BMC BLADELOGIC SERVER AUTOMATION

For Microsoft System Center Orchestrator

Release Notes

Version 3.9

January 2021

Introduction

The **Kelverion Integration Pack for BMC BladeLogic Server Automation** is an add-on for System Center Orchestrator that lets you integrate with and automate tasks in BMC BladeLogic Server Automation.

The integration pack includes the following activities:

- Create BLPackage from Audit
- Create Deploy Job
- Run Job
- Get Job Running Status
- Export Audit Results
- Set Server Property
- Run BLCLI Command
- Run Custom BLCLI Command

This integration lets you create runbooks that interact with and transfer information to other Orchestrator integrations.

System Requirements

The Kelverion Integration Pack for BMC BladeLogic Server Automation requires the following software to be installed and configured prior to implementing the integration. For more information about installing and configuring Orchestrator and the BMC BladeLogic Server Automation application, refer to the respective product documentation.

- Microsoft System Center Orchestrator *
- Microsoft .NET Framework 4.5.2

As well as:

- BMC BladeLogic Server Automation 8.9 application server
- BMC BladeLogic Server Automation 8.9 web service API (SOAP)

Or:

- BMC TrueSight Server Automation 20.02 application server
- BMC TrueSight Server Automation 20.02 web service API (SOAP)

* Please see [Kelverion.com/orchestrator](https://kelverion.com/orchestrator) for the latest Orchestrator support information.

Registering and Deploying the Integration Pack

After you download the integration pack file, you must register it with the Orchestrator management server and then deploy it to Runbook Servers and Runbook Designers. For more information about how to install integration packs, see the [How to Install an Integration Pack](https://technet.microsoft.com/en-us/library/hh420346.aspx) (<https://technet.microsoft.com/en-us/library/hh420346.aspx>).

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 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.

Known Issues

- When using BLCLI commands which take two (or more) attachment inputs, for example ProvisionJob – createProvisionJob, activities may fail for newer versions of BMC TrueSight Server Automation, due to a failure in the SOAP Web Service API.
- When using BLCLI commands which return output attachments, for example ImprExport – exportObject, activities may fail for newer versions of BMC TrueSight Server Automation, due to a failure in the SOAP Web Service API.

Version History

Version 3.9

- Added support for BMC TrueSight Server Automation version 20.02.
- No longer deploying BLCLI command definitions for versions of BMC BladeLogic Server Automation which are no longer supported.
- Added BladeLogic Role configuration property.

Version 3.8

- Activity *Run BLCLI Command* now supports commands which take multiple input attachments
- Activity *Run Custom BLCLI Command* now supports commands which take multiple input attachments
- Added initial 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 BladeLogic Host 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 BladeLogic Host name is listed on the certificate. Alternately, for a secure network environment when working with a trusted server, you may chose not to validate the server certificate.***

Version 3.7

- The integration pack now supports BMC BladeLogic Server Automation 8.9.
- Added BLCLI command definitions for BMC BladeLogic Server Automation 8.9.

Version 3.6

- Updated EULA

Version 3.5

- Updated Kelverion.Management.dll

Version 3.4

- The integration pack now supports BMC BladeLogic Server Automation 8.7.
- Added BLCLI command definitions for BMC BladeLogic Server Automation 8.7.

Version 3.3

- General update to improve logging and diagnostics.

Version 3.21

- Updated Kelverion.Management.dll

Version 3.2

- The integration pack now supports BMC BladeLogic Server Automation 8.5.
- Added BLCLI command definitions for BMC BladeLogic Server Automation 8.5.

Version 3.1

- 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 Kelverion 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 and you are currently using version 3.0 or earlier, must contact your sales contact or info@kelverion.com to obtain a new license before upgrading to this version.

Version 3.0

- Added Support for System Center 2012 R2 Orchestrator.

Version 2.0

- The Integration Pack for BladeLogic Server Automation version 2.0 is a completely new Integration Pack which brings significant improvements in usability and runbook design. However, due to changes in the framework used to build the integration pack, this version is not backwards compatible with activities from runbooks that were created with previous versions. As a result, it will be necessary to manually rebuild any runbooks that you want to migrate to the new version.
- The integration pack now supports BMC BladeLogic Server Automation 8.3.
- The integration pack now requires only one *Connection Configuration*. *Create Deploy Job Configuration*, *Export Audit Configuration* and *Run Job Configuration* have been removed.
- Added *BLCLI Command Definition Folder* property to *Connection Configuration* to specify location of BLCLI command definition files.

- The integration pack now deploys BLCLI command definition files for each supported version of BladeLogic Server Automation.
- Added new activity *Get Job Running Status*. This activity can be used to determine if an existing job is in running or not.
- Added *Job Type* property to *Create Deploy Job* activity (previously part of *Create Deploy Job Configuration*).
- Added *Job Type* property to *Run Job* activity (previously part of *Run Job Configuration*).
- Added *Wait for Job to Complete* property to *Run Job* activity. This allows for an activity to be configured in “fire and forget” mode as before or, so it finishes only after the underlying BladeLogic job has ended.
- Added *Export Type* property to *Export Audit Results* activity (previously part of *Export Audit Configuration*).
- *Run BLCLI Command* activity now lists available namespaces, commands and arguments. Based on namespace selection the activity displays available commands for that namespace, and then based on command selection the activity adds additional input properties for the command arguments.
- Added input/output attachment support to *Run BLCLI Command* activity. The activity now supports sending one input attachment as binary data and receiving one output attachment as binary data and saving it to a file. New properties *Attachment Type*, *Input File Path*, *Output Folder Name*, *Output File Name* have been added to the activity to support this functionality.
- Added new activity *Run Custom BLCLI Command* to allow custom configuration when a BLCLI command is not available through *Run BLCLI Command* activity. The command requires typing command namespace, command name and specifying arguments. This activity also supports single input/output attachment.
- The *Run BLCLI Command* activity now correctly publishes multi-valued data when the BLCLI command returns a list of results.
- Fixed an issue which was causing a long running runbook (+10 hours) to fail when BladeLogic session credentials were expiring.
- Added custom icons to all activities.