



Skylar One Optimization Assessment Service (OAS) On-Premises User Guide

Skylar One OAS On-Premises PowerPack version 106

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1. Revision History

Version Number	Revision Date	Notes
106	Feb 23, 2026	New architecture to work with OPIN + bug fixes

2. Introduction

This document outlines the installation steps and provides detailed guidance on using the Skylar One Optimization Assessment Service (OAS) On-Premises PowerPack.

The Skylar One OAS On-Premises PowerPack includes automations that collect all required data from Skylar One systems to perform an Optimization Assessment. These automations generate a fully populated spreadsheet, which is then used to produce the final customer-facing PowerPoint presentation.

3. PowerPack Contents

Content Type	Count
Credentials	1
Run Book Actions	5
Run Book Automations	2
Dynamic Applications	2
AP2 Dashboard	1

4. Pre-requisites & PowerPack Installation

Pre-requisites

Pre-requisite item	Minimum required Version / Notes
Skylar One platform	12.3.2
Skylar One AP2	Lokma - 8.20.70
Skylar One Databases	All Skylar One Databases should be discovered for monitoring.
Operational Insights PowerPack	Latest version of Operational Insights PowerPack installed and configured.

Installation

To install the PowerPack:

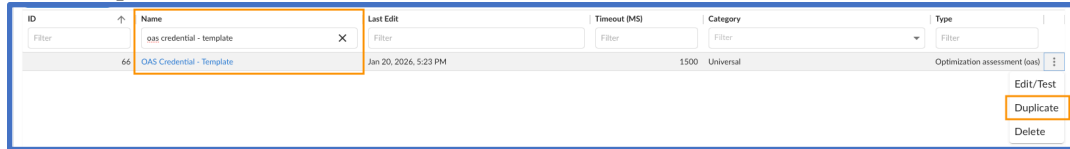
1. Go to System > Manage > PowerPacks.
2. Select Actions > Import PowerPack.
3. Select the PowerPack file and import.
4. Once imported, click on the Install button.

The PowerPack should now be installed on the system.

5. Credential Configuration

Credential Configuration Steps

1. Navigate to Manage > Credentials (only available in AP2)
2. Search for “OAS Credential - Template” in the Name column.
3. Locate the credential named “OAS Credential Template”, open the three-dot (:) menu, and select Duplicate



4. Edit the new credential called “OAS Credential Template copy”
5. Update the following fields:
 - **Name** – Change the name to “OAS Credential – PROD” (or something similar that is relevant to the environment)
 - **Make Configuration Changes** – If client has approved the changes that the Automation makes to the system, then change the value to “Yes”, if no changes are approved then leave the value as “No”.
 - **Debug** – If Debug needs to be turned on for troubleshooting purpose, then change the value to “Enabled”.
 - **Send Email** – If you want to the system to send an email with the assessment report, then set this field’s value to “Yes”
 - **Email Address** – If Send Email is Yes then provide a comma (,) separated list of email addresses.
 - **Assessment Checks (View /Edit)** – Leave this value as “Hide Checks and Save”
6. Click Save & Test followed by Close

6. RunBook Action Configuration

To configure the Action:

1. Go to Registry > Run Book > Actions.
2. Search for “OAS On-Premises”.
3. Edit Action “OAS On-Premises – Phase 1” by clicking on the “wrench” icon.
4. From the Snippet Credential dropdown, select the newly created credential from previous section (5)
5. Click Save and exit.
6. Perform steps 4 -6 to update the credential for the following OAS Actions:
 - a. OAS On-Premises – Phase 2
 - b. OAS On-Premises – Phase 3
 - c. OAS On-Premises – Phase 4
 - d. OAS On-Premises - Send Report Email

Action Editor

Policy Editor | Editing Action [132]

Reset

Action Name

OAS On-Premises - Phase 1

Action State

[Enabled]

Description

Organization

[System]

Action Type

Run a Snippet

Snippet Credential

OAS Credential - PROD

Action Run Context

[Database]

Execution Environment

[SL1 OAS (python3.6)]

Snippet Code

```

#OAS On-Premises Phase 1
#Version: v106
#Author: ScienceLogic Expert Services
#Date: Jan 2026

import logging
from logging.handlers import RotatingFileHandler
import time
import sys
import re
import math
from datetime import timedelta, datetime, timezone
import tempfile
import importlib
os = importlib.import_module("os")

```

Save

Save As

7. RunBook Automation Configuration & Execution

To configure the Automations:

1. Go to Registry > Run Book > Automation.
2. Search for “OAS On-Premises”.
3. Edit the Automation.
4. Align the right device to the Automation:
 - a. Search for the primary Skylar One database in the Available Devices.
5. Move the device from 4.a to ‘Aligned Devices’.
6. Click Save and exit.
7. Perform steps 2-6 for “OAS On-Premises – Send Report Email”.

Align the Automations with only ONE Skylar One database. Use the primary during initial configuration. Subsequent changes to which database is primary do not affect the automation.

Following Automations are provided with the PowerPack:

- **OAS On-Premises:** This automation handles collecting the data needed for performing OAS.

The Automation is configured to trigger once a month.

The Automation triggers three separate Actions that handle collecting data and creating the final spreadsheet.

1. OAS On-Premises - Phase 1: This action is used to collect data for the following OAS Sections:
 - a. Self-Monitoring
 - b. Platform
2. OAS On-Premises - Phase 2: This action is used to collect data for the following OAS Sections:
 - a. Capacity Management
 - b. Device Management
 - c. System Administration
3. OAS On-Premises - Phase 3: This action is used to create the final spreadsheet and to collect data for the following OAS Sections:
 - a. Informational
4. OAS On-Premises - Phase 4: This action is used to push the data to the collector:

- **OAS On-Premises – Send Report Email:** This automation handles sending emails to the users after the Report has been created.

The Automation is configured to trigger once a month.

The Automation triggers one Action that sends out an email, with the Assessment Report as an attachment, to the email addresses specified in the credential. The email is only sent out if the **Send Email** option in the credential is set to “Yes”

Manual Automation Execution

If you need the automation process to run immediately rather than at its next scheduled interval, you have the option to manually trigger it. This means you can bypass the pre-set schedule and start the process at any moment you choose, allowing for more flexible execution when necessary.

To execute the automation, perform the following steps:

1. Go to Registry > Run Book > Automation
2. Search for Automation Policy Name “OAS On-Premises”.
3. Click on the lightning bolt icon for policy named “OAS On-Premises”.

Automation Policy Name		ID	Policy State	Policy Priority	Organization	Devices	Events	Actions	Edited By	Last Edited	
OAS On-Premises										All	
1.	OAS On-Premises	54	Enabled	Default System		1	All	4	em7admin	2026-01-20 17:27:	
2.	OAS On-Premises - Send Report Email	55	Enabled	Default System		1	All	1	em7admin	2026-01-20 17:27:	

8. OAS Results

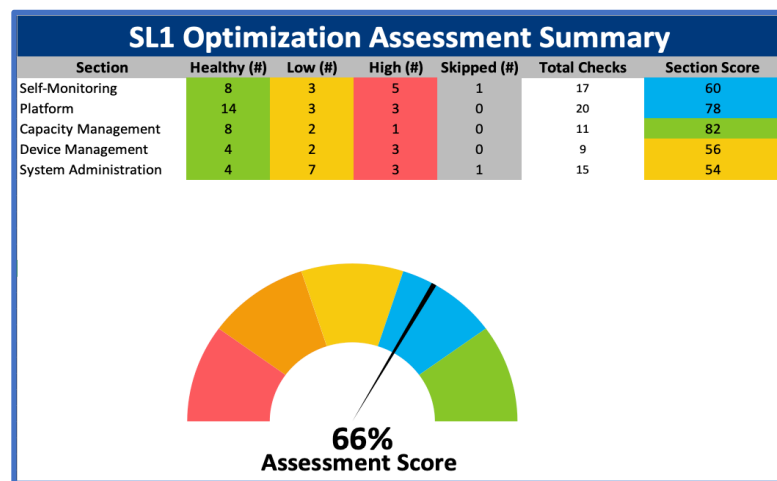
Once the Automation has been executed the results will be available on the device aligned to the automation.

To download the results of the OAS:

1. Go to Registry > Devices > Device Manager.
2. In Device name search for the same device that is aligned to the Automations from section 7
3. Click on the device and Navigate to the Notes Tab.
4. The latest output of the OAS will be saved in the device note, if there are multiple notes then the latest one will be at the bottom of the list.
5. Click on the attachment icon and download the spreadsheet called “sl1_oas_checklist.xlsx”.

The finished OAS checklist spreadsheet has the following five tabs:

1. Assessment Summary – This tab has the score summary for every section and the overall score for OAS.



2. Informational – This tab has all the informational checks that do not impact the overall score of the assessment.
3. Self-Monitoring – This tab has all the Self-Monitoring checks along with the overall section score.
4. Platform – This tab has all the Platform checks along with the overall section score.
5. Capacity Management – This tab has all the Capacity Management checks along with the overall section score.
6. Device Management – This tab has all the Device Management checks along with the overall section score.
7. System Administration – This tab has all the System Administration checks along with the overall section score.

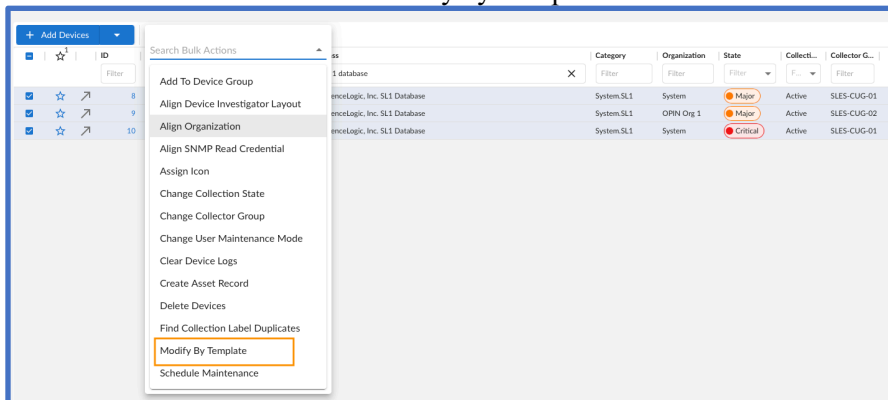
9. OAS Score Trends Dashboard

The PowerPack contains a Dynamic Application that collects scores, which can be displayed and trended on a Dashboard (also included in the PowerPack).

Dynamic App Setup

To display score trends on the Dashboard, the accompanying Dynamic Application must be aligned with the SL1 Stats device. Follow these steps to complete the alignment:

1. Navigate to the Devices Page.
2. Search for Class name “SL1 Database”.
3. Select all SL1 Databases that correspond to the system’s databases
4. From the Actions menu select “Modify by Template”



5. In the Device Template Editor modal window, select “OAS – On-Premises” from the Template dropdown
6. Click Apply followed by Confirm

Once the Dynamic Application is aligned and collecting data the **OAS Results & Trends** Dashboard will show the latest Assessment scores along with a graph with the trended values.

Since the Dynamic Application is configured to trigger once in 12 hours, it will take at least 12 hours for the dashboard to show any data.

The Operational Insights (OPIN) PowerPack must be installed and configured for the OAS Dashboard to display data. The OPIN Reference Device Identifier Dynamic Application included in the OPIN PowerPack populates the `Skylar_One_OPIN_REF_DEV` attribute, which is used to identify the primary database from which data is collected and displayed in the dashboard.

10. New Features and Enhancements

This section describes the features and enhancements that are included in Skylar One: Optimization Assessment Service (OAS) – On-Premises version 106

Updated Collection Architecture

- Updated the data collection mechanism.
- Eliminated the need for dedicated collectors to monitor system health.

Universal Credential

- New custom OAS universal credential
- Eliminated the need to provide usernames and passwords

Skipping Specific Checks

The last OAS PowerPack release introduced a new feature that allows users to skip individual checks from the assessment. This gives administrators more control and flexibility when certain checks are not relevant to their environment. This version provides a more convenient and permanent mechanism to save the check skip state.

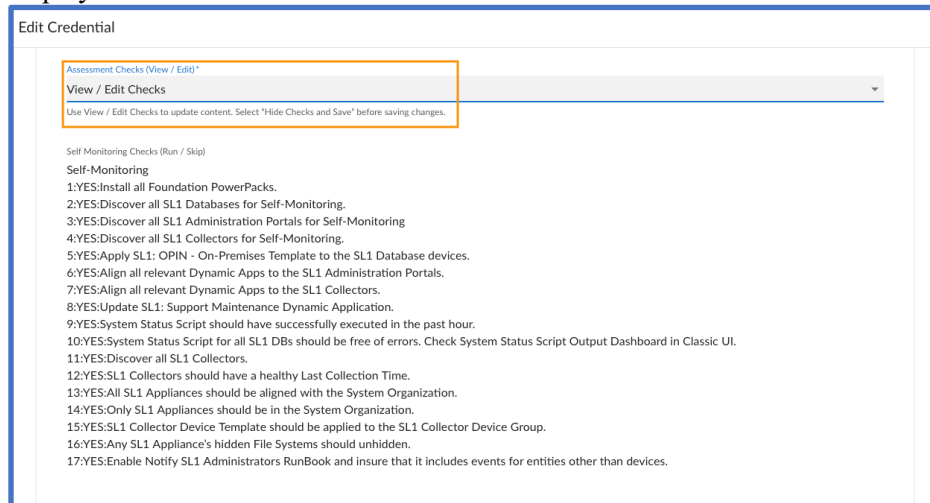
You can skip a specific check by changing its status from YES to NO. When a check is set to NO, the automation will run the check but will:

- Mark the check as “Skipped” in the Priority column of the OAS checklist spreadsheet.
- Exclude it from the Assessment score calculation.

Steps to skip checks

1. Navigate to Manage > Credentials (only available in AP2)
2. Search for “OAS Credential” in the Name column.
3. Edit the credential aligned to the Actions in section 6

- From the dropdown “Assessment Checks (View /Edit)” select “View / Edit Checks”. This will display the checks



The screenshot shows the 'Edit Credential' window. At the top, there is a dropdown menu labeled 'Assessment Checks (View / Edit)'. The dropdown is open, showing 'View / Edit Checks' as the selected option. Below the dropdown, there is a list of checks under the 'Self-Monitoring' section. The checks are numbered 1 through 17, each with a description. For example, check 9 is '9:YES:System Status Script should have successfully executed in the past hour.'.

- Locate the check that you want to ignore using the check ID.
- Update the check:

For example to skip check 9 under Self-Monitoring Section:

9:YES:System Status Script should have successfully executed in the past hour.

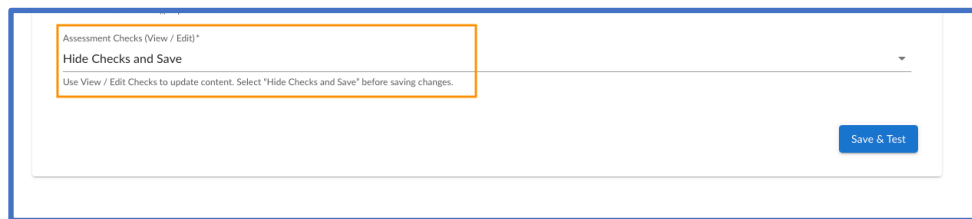
should be changed to:

9:NO:System Status Script should have successfully executed in the past hour.

Each check must follow this strict format:

<Check Number>:<YES|NO>:<Check Description>

- From the dropdown “Assessment Checks (View /Edit)” select “Hide Checks and Save”. This will hide the checks



The screenshot shows the 'Edit Credential' window. At the top, there is a dropdown menu labeled 'Assessment Checks (View / Edit)'. The dropdown is open, showing 'Hide Checks and Save' as the selected option. Below the dropdown, there is a 'Save & Test' button.

- Click Save & Test followed by Close

Before saving the credential or making any changes to the checks, the **Assessment Checks (View/Edit)** field must be set to “Hide Checks and Save”.

The Template credential is overwritten during each PowerPack upgrade, which resets any check modifications. For this reason, it is strongly recommended that you do not use the Template credential and instead create a custom credential, as described in Section 5.



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