ScienceLogic

Skylar One Optimization Assessment Service (OAS) - SaaS User Guide

Skylar One OAS SaaS PowerPack version 106

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1. Revision History

Version **Number**	**Revision Date**	Notes
106	Feb 20, 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) – SaaS** 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
AP2 Dashboard	1
Credentials	1
Device Templates	1
Dynamic Applications	2
Run Book Actions	5
Run Book Automations	2
Widgets	1

4. Pre-requisites & PowerPack Installation

Pre-requisites

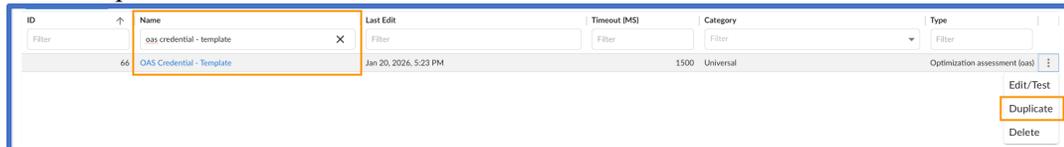| Pre-requisite item	Minimum required Version / Notes
Skylar One platform	12.3.2
Skylar One AP2	Lokma - 8.20.70

Device for Automation Alignment	SL1 Stats device should be present on the system.
	If SL1 Stats device is not present, then create a new virtual Device and name it "SL1 Stats":
	• Go to Registry > Devices > Device Manager
	• Click on Actions > Create Virtual Device
	• Enter the following information:
	    o Device Name: SL1 Stats
	    o Organization: System
	    o Device Class: Virtual Device | Dynamic App Emissary
	Collector: if present select "Self-Monitoring CUG", else select any available CUG.

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

ID	↑	Name	Last Edit	Timeout (MS)	Category	Type	
		oas credential - template ✕	Filter	Filter	Filter ▾	Filter	
	66	OAS Credential - Template	Jan 20, 2026, 5:23 PM	1500	Universal	Optimization assessment (oas) ⋮	
						Edit/Test	
						Duplicate	
						Delete	

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 > Automation.
2. Search for "OAS SaaS".
3. Edit Action "OAS SaaS – 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 SaaS – Phase 2
   b. OAS SaaS – Phase 3
   c. OAS SaaS – Phase 4
   d. OAS SaaS - Send Report Email

7. RunBook Automation Configuration & Execution

To configure the Automations:
1. Go to Registry > Run Book > Automation.
2. Search for "OAS SaaS".
3. Edit the Automation.
4. Align the right device to the Automation:
    a. Search for the SL1 Stats in the Available Devices.
5. Move the device from 4.a to 'Aligned Devices'.
6. Click Save and exit.

Following Automations are provided with the PowerPack:
- **OAS SaaS:** 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 SaaS - Phase 1: This action is used to collect data for the following OAS Sections:

        a. Self-Monitoring

        b. Platform

        c. Capacity Management

    2. OAS SaaS - Phase 2: This action is used to collect data for the following OAS Sections:

        a. Device Management

        b. System Administration

    3. OAS SaaS - Phase 3: This action is used to create the final spreadsheet and to collect data for the following OAS Sections:

        a. Informational

    4. OAS SaaS - Phase 4: This action is used to push the data to the collector:

- **OAS SaaS – 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 SaaS".

3. Click on the lightning bolt icon for policy named "OAS SaaS".
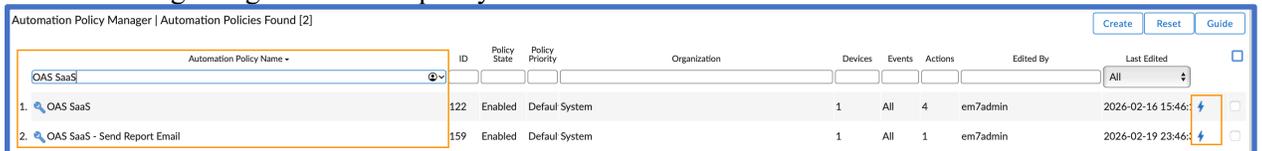
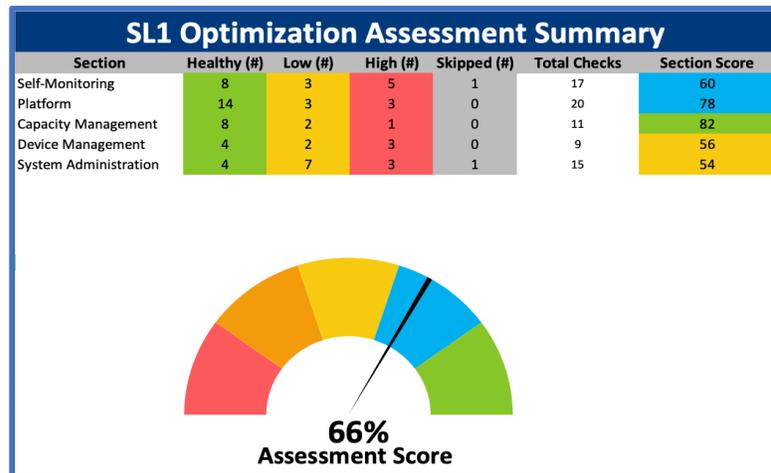| Automation Policy Manager | Automation Policies Found [2]										Create	Reset	Guide
Automation Policy Name ▾	ID	Policy State	Policy Priority	Organization	Devices	Events	Actions	Edited By	Last Edited			☐
OAS SaaS									All			
1. 🔍 OAS SaaS	122	Enabled	Defaul System		1	All	4	em7admin	2026-02-16 15:46:	⚡		☐
2. 🔍 OAS SaaS - Send Report Email	159	Enabled	Defaul System		1	All	1	em7admin	2026-02-19 23:46:	⚡		☐

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 **SL1 Stats,** 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_saas_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.

SL1 Optimization Assessment Summary

Section	Healthy (#)	Low (#)	High (#)	Skipped (#)	Total Checks	Section Score
Self-Monitoring	8	3	5	1	17	60
Platform	14	3	3	0	20	78
Capacity Management	8	2	1	0	11	82
Device Management	4	2	3	0	9	56
System Administration	4	7	3	1	15	54

66%
Assessment Score

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.
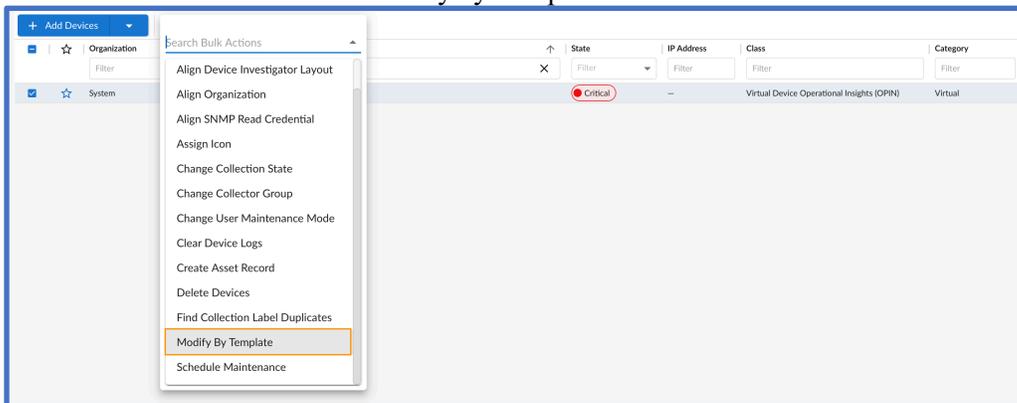
9. OAS Score Trends Dashboard

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 Device name "SL1 Stats"

3. Select the device

4. From the Actions menu select "Modify by Template"

+ Add Devices ▼					State	IP Address	Class	Category
■	☆	Organization	Search Bulk Actions ▲					
		Filter	Align Device Investigator Layout	×	Filter ▼	Filter	Filter	Filter
☑	☆	System	Align Organization		● Critical	–	Virtual Device Operational Insights (OPIN)	Virtual
			Align SNMP Read Credential					
			Assign Icon					
			Change Collection State					
			Change Collector Group					
			Change User Maintenance Mode					
			Clear Device Logs					
			Create Asset Record					
			Delete Devices					
			Find Collection Label Duplicates					
			Modify By Template					
			Schedule Maintenance					

5. In the Device Template Editor modal window, select "OAS – SaaS" from the Template dropdown

6. Click Apply followed by Confirm

Once the Dynamic Applications are 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 Applications 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.

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Optimization Assessment Service (OAS) Results & Trends

Legend: **OPIN** = Operational Insights   **OAS** = Optimization Assessment Service

Average ▼	Self Monitoring ▼	Platform ▼
67%	**59%**	**83%**

Device Mgmt ▼	System Admin ▼	Capacity Mgmt ▼
56%	**54%**	**82%**

Name
- OPIN: Backup Stats
- OPIN: Business Services and Dashboards Stats
- OPIN: Collector Statistics Dashboard
- OPIN: Config Push, Event Engine, and Vanished Devices
- OPIN: Database Statistics Dashboard
- OPIN: Device Stats
- OPIN: Dynamic Application Tuning Candidates
- OPIN: Event Performance
- OPIN: Global Device Health
- OPIN: Interface Summary
- OPIN: License Usage 2020
- OPIN: License Usage 2022
- OPIN: License Usage 2024
- OPIN: Linux Server Health
- OPIN: Onboarding
- OPIN: Run Book Performance
- OPIN: System Log Summary
- OPIN: User Stats

OAS Scores ▼

Reset zoom

```
100

 75
 %
 50

 25
```

Below is a summary of the checks that did not pass, along with brief corrective actions. For more details, go to the SL1 Stats device's Notes tab and download the latest Assessment Report.

Self Monitoring ▼

Check ID	Check	Corrective Action
3	Discovery - Are all SL1 Collectors discovered for Self-Monitoring?	Discover all SL1 Collectors for Self-Monitoring.
5	Dynamic Applications - Do the SL1 Collectors have all of the expected dynamic applications aligned?	Align all relevant Dynamic Apps to the SL1 Collectors.
6	Dynamic Applications - Is the Support: Maintenance Tracking Dynamic Application configured with alerts and events?	Update SL1: Support Maintenance Dynamic Application.
9	System organization - Are all SL1 appliances located in the System organization or a dedicated organization?	All SL1 Appliances should be aligned with the System Organization.
11	Device Templates - Has the SL1 Collector device template been applied to all SL1 collectors?	SL1 Collector Device Template should be applied to the SL1 Collector De
13	Run Book - Is the Support: Notify SL1 Administrators Automation Policy enabled and aligned to a Run Book Action?	Enable Notify SL1 Administrators RunBook and insure that it inclu

Platform ▼

Check ID	Check	Corrective Action
2	Version - Is the SL1 version and MariaDB version consistent across all SL1 Appliances?	Best Practice is for all SL1 appliances to be on the same SL1 and MariaDB ve
3	Subscription Usage - Is each SL1 DB/DE configured to send Subscription License Usage Data to the SL1 License Usage Server?	Populate the [SUBSCRIBER] section on each SL1 DB/DE in the silo.conf file
6	Vitals - What is the CPU health for the SL1 Collectors?	Best Practice is for all SL1 Collectors to have an average CPU utilization und
7	Vitals - What is the Memory health for the SL1 Collectors?	Best Practice is for all SL1 Collectors to have an average Memory utilization
8	Vitals - What is the Swap health for the SL1 Collectors?	Best Practice is for all SL1 Collectors to have an average Swap utilization und
9	Vitals - What is the Disk health for the SL1 Collectors?	Best Practice is for all SL1 Collectors to have an average disk utilization unde

10. New Features and Enhancements

This section describes the features and enhancements that are included in Skylar One: Optimization Assessment Service (OAS) – SaaS 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

4. From the dropdown "Assessment Checks (View /Edit)" select "View / Edit Checks". This will display the checks

Edit Credential

Assessment Checks (View / Edit) *
View / Edit Checks

Use View / Edit Checks to update content. Run Check = YES; Skip Check = NO. Select "Hide Checks and Save" before saving changes.

Self Monitoring Checks (Run / Skip)
Self-Monitoring
1:YES:Install all Foundation PowerPacks.
2:YES:Create Virtual Device called SL1 Stats.
3:YES:Discover all SL1 Collectors for Self-Monitoring.
4:YES:Apply SL1: OPIN - SaaS Template to the SL1 Stats device.
5:YES:Align all relevant Dynamic Apps to the SL1 Collectors.
6:YES:Update SL1: Support Maintenance Dynamic Application.
7:YES:Discover all SL1 Collectors.
8:YES:SL1 Collectors should have a healthy Last Collection Time.
9:YES:All SL1 Appliances should be aligned with the System Organization.
10:YES:Only SL1 Appliances should be in the System Organization.
11:YES:SL1 Collector Device Template should be applied to the SL1 Collector Device Group.
12:YES:Any SL1 Appliance's hidden File Systems should unhidden.
13:YES:Enable Notify SL1 Administrators RunBook and insure that it includes events for entities other than devices.

5. Locate the check that you want to ignore using the check ID.
6. Update the check:
   For example to skip check 9 under Self-Monitoring Section:
   `9:YES:All SL1 Appliances should be aligned with the System Organization..`
   should be changed to:
   `9:NO:All SL1 Appliances should be aligned with the System Organization..`

   Each check must follow this strict format:
   `<Check Number>:<YES|NO>:<Check Description>`
7. From the dropdown "Assessment Checks (View /Edit)" select "Hide Checks and Save". This will hide the checks

Assessment Checks (View / Edit) *
Hide Checks and Save
Use View / Edit Checks to update content. Select "Hide Checks and Save" before saving changes.

Save & Test

8. 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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