



Empowering Efficient SAP System Management With SAP BTP And SAP Landscape Management Cloud

Daniela Schmidt and Michael Jilg, SAP

SAPinsider
2023

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SAPinsider

Agenda

What is SAP Landscape Management Cloud

SAP Landscape Management Cloud combinations

Event Driven Automatisation

Live Demonstration

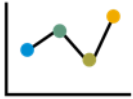
Wrap-Up

What is SAP Landscape Management Cloud

SAP Landscape Management Cloud

Key use cases

Get insights into your IaaS consumption



Spending Overview



Region View



System View



Analyse cost and energy consumption

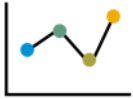


Actual vs. estimated costs

SAP Landscape Management Cloud

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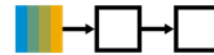


Actual vs. estimated costs

Optimize costs and energy consumption



Built-in and custom schedules



Scale-in / scale-out application servers



Management of reserved instances

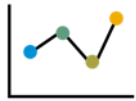


Snooze and awake systems

SAP Landscape Management Cloud

Key use cases

Get insights into your IaaS consumption



Spending Overview



Region View



System View



Analyse cost and energy consumption

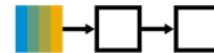


Actual vs. estimated costs

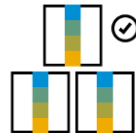
Optimize costs and energy consumption



Built-in and custom schedules



Scale-in / scale-out application servers



Management of reserved instances



Snooze and awake systems

Simplify and centralize system management



Automated SAP system refreshes



Single/mass operations (start, stop)



Dashboards and system visualization



Integration with TDEM for data scrambling/slicing



Event-driven automation

SAP Landscape Management Cloud combination

SAP Landscape Management Cloud combinations

SAP BTP Services



SAP Alert
Notification Service



SAP Event Mesh



Audit Log Viewer
Service



Kyma Runtime



Cloud Foundry
Runtime

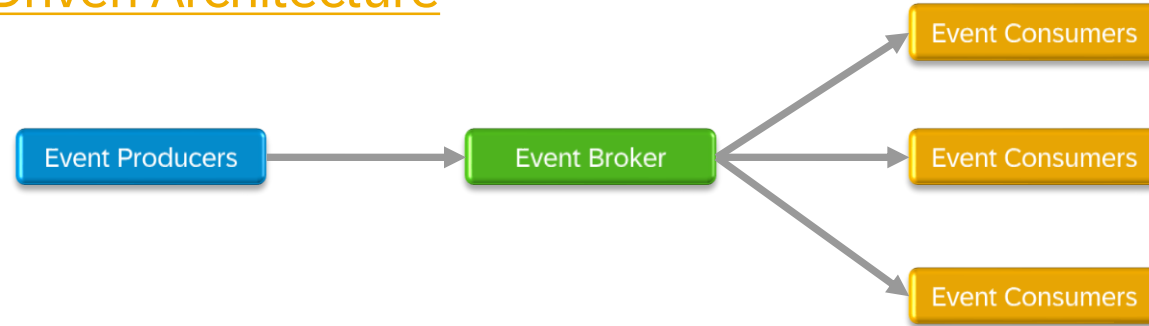
Other Services



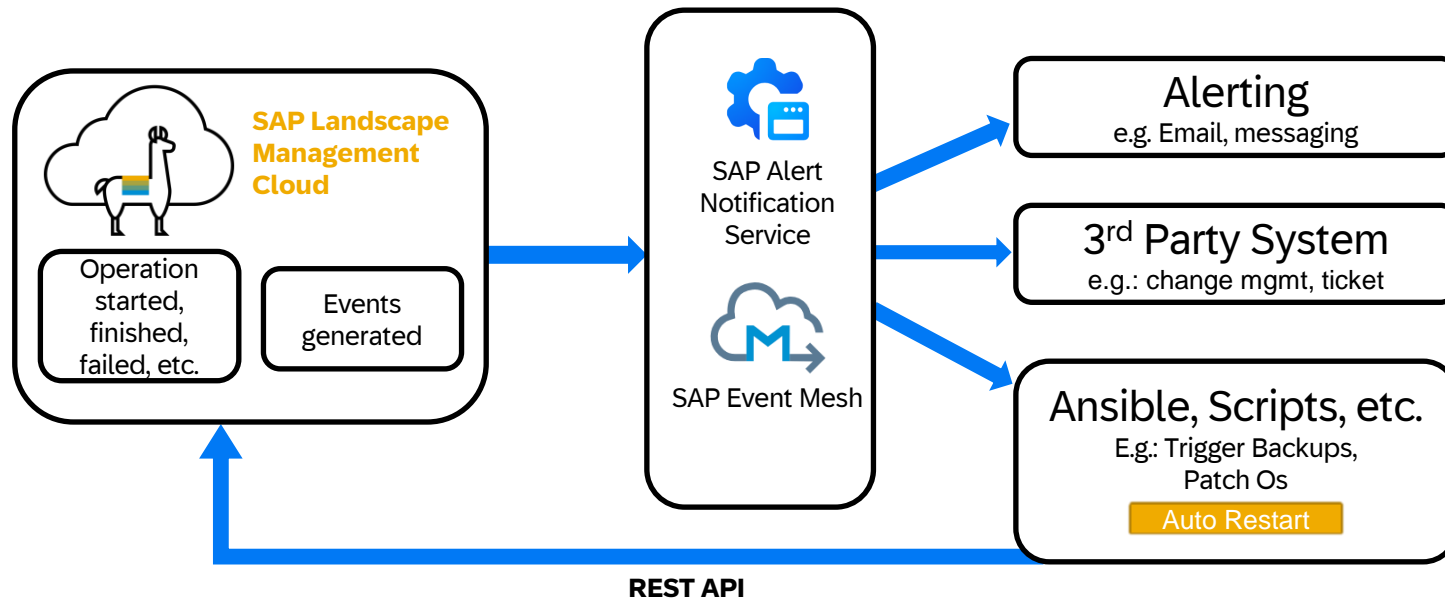
Event Driven Automatisation

Event Driven Automation

Event Driven Architecture

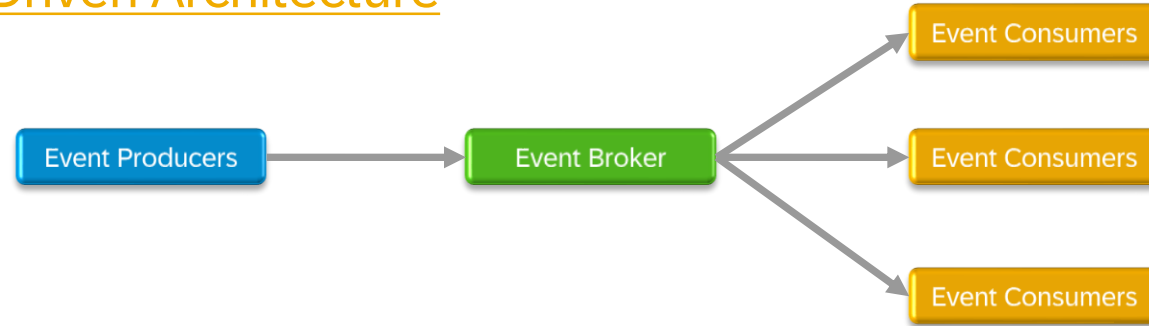


Event Driven Automation

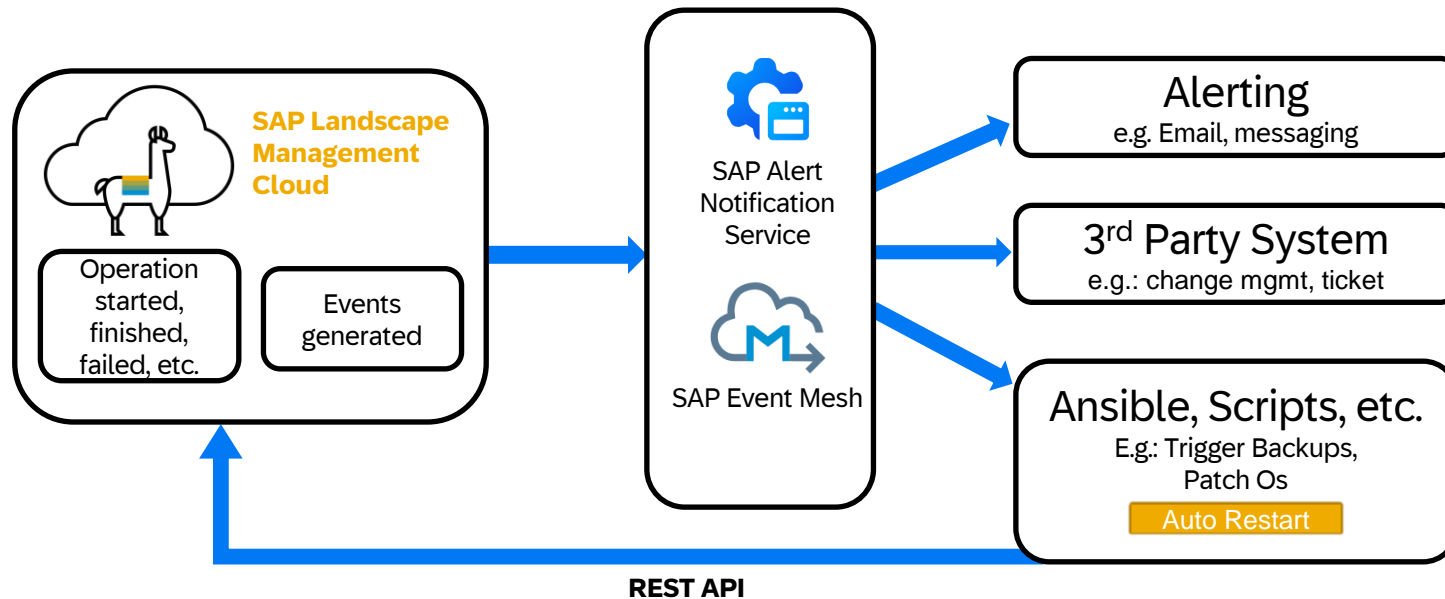


Event Driven Automation

Event Driven Architecture

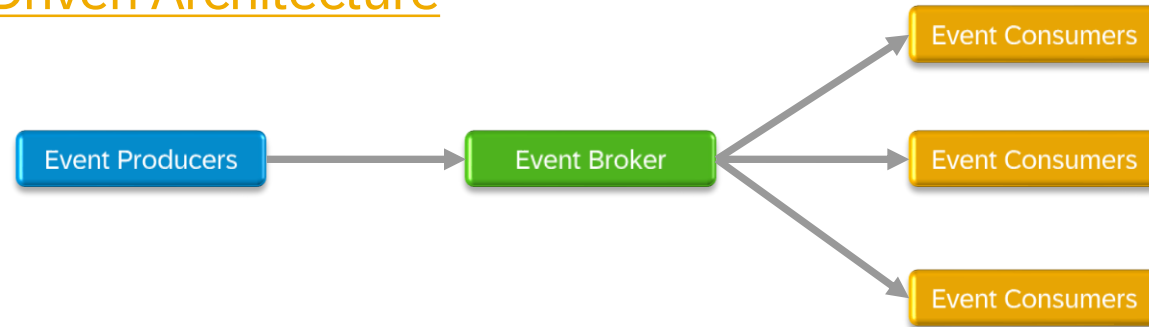


Event Driven Automation



Event Driven Automation

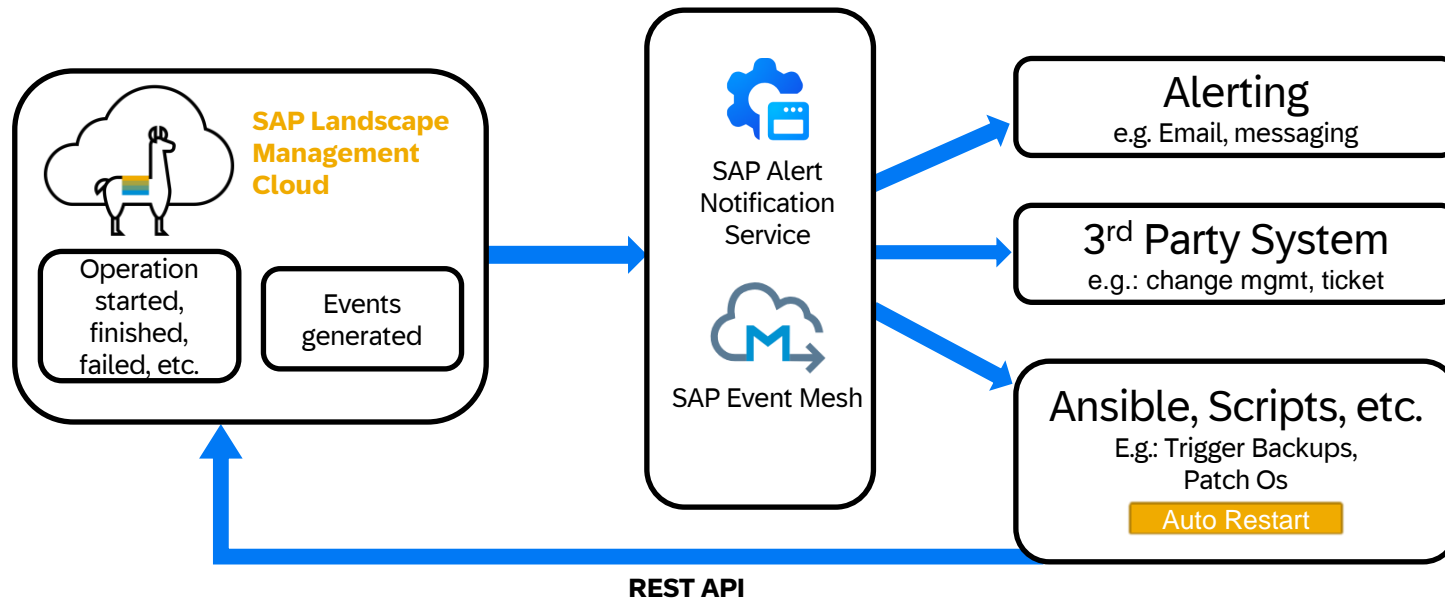
Event Driven Architecture



Increased Agility

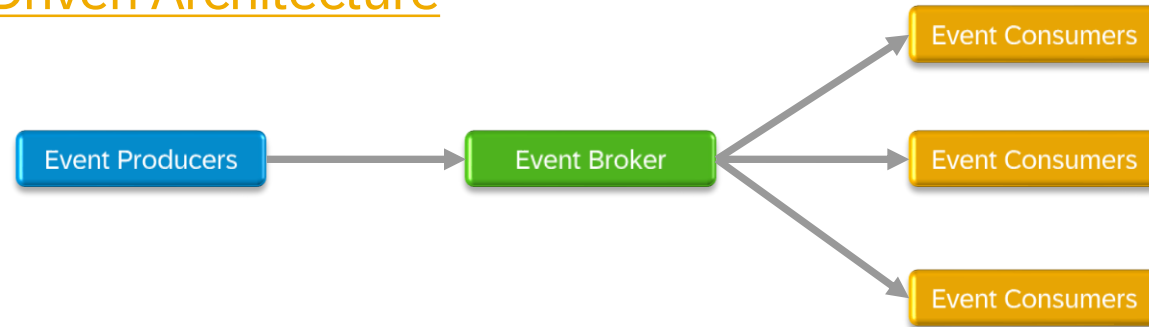
Respond immediately to system alerts or user action using events in real time

Event Driven Automation

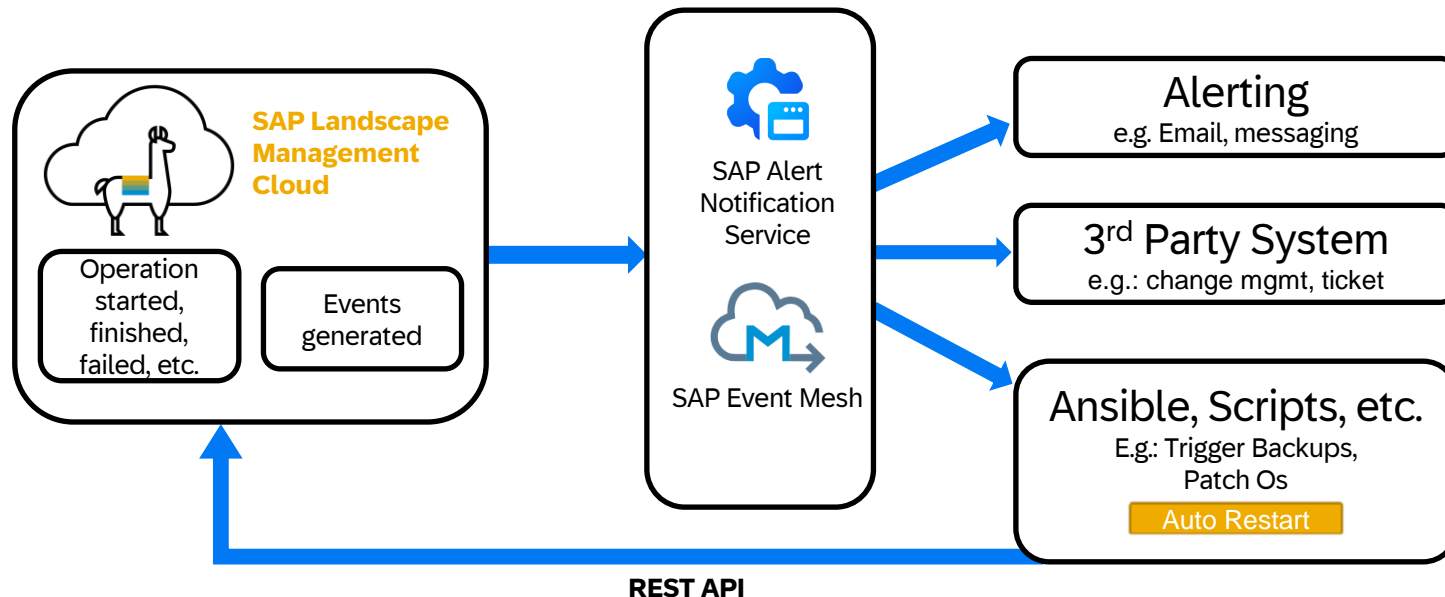


Event Driven Automation

Event Driven Architecture



Event Driven Automation



Increased Agility

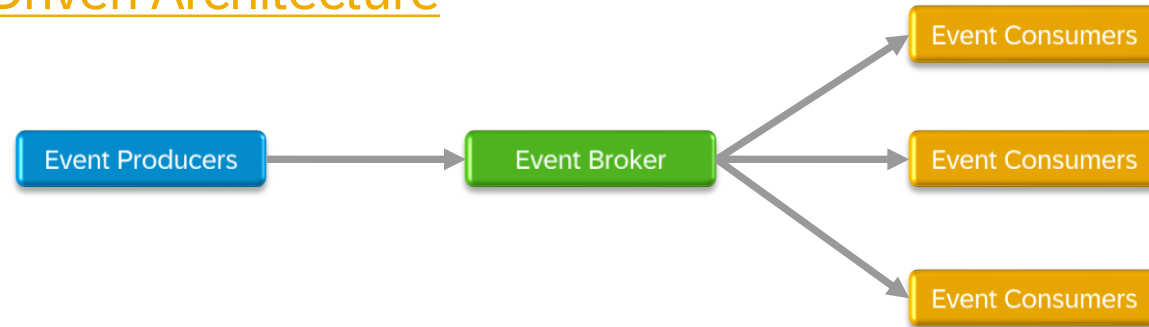
Respond immediately to system alerts or user action using events in real time

Conditional Logic

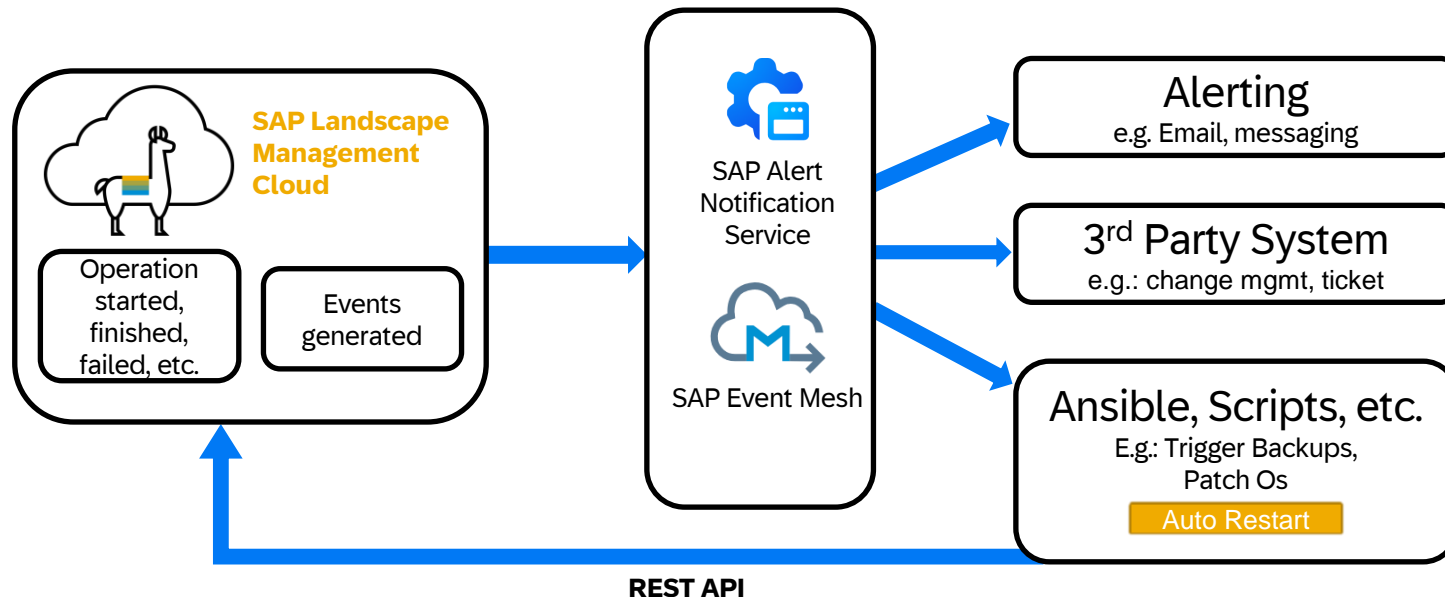
Decisions can be made based on event attributes (e.g. auto restart application server)

Event Driven Automation

Event Driven Architecture



Event Driven Automation



Increased Agility

Respond immediately to system alerts or user action using events in real time

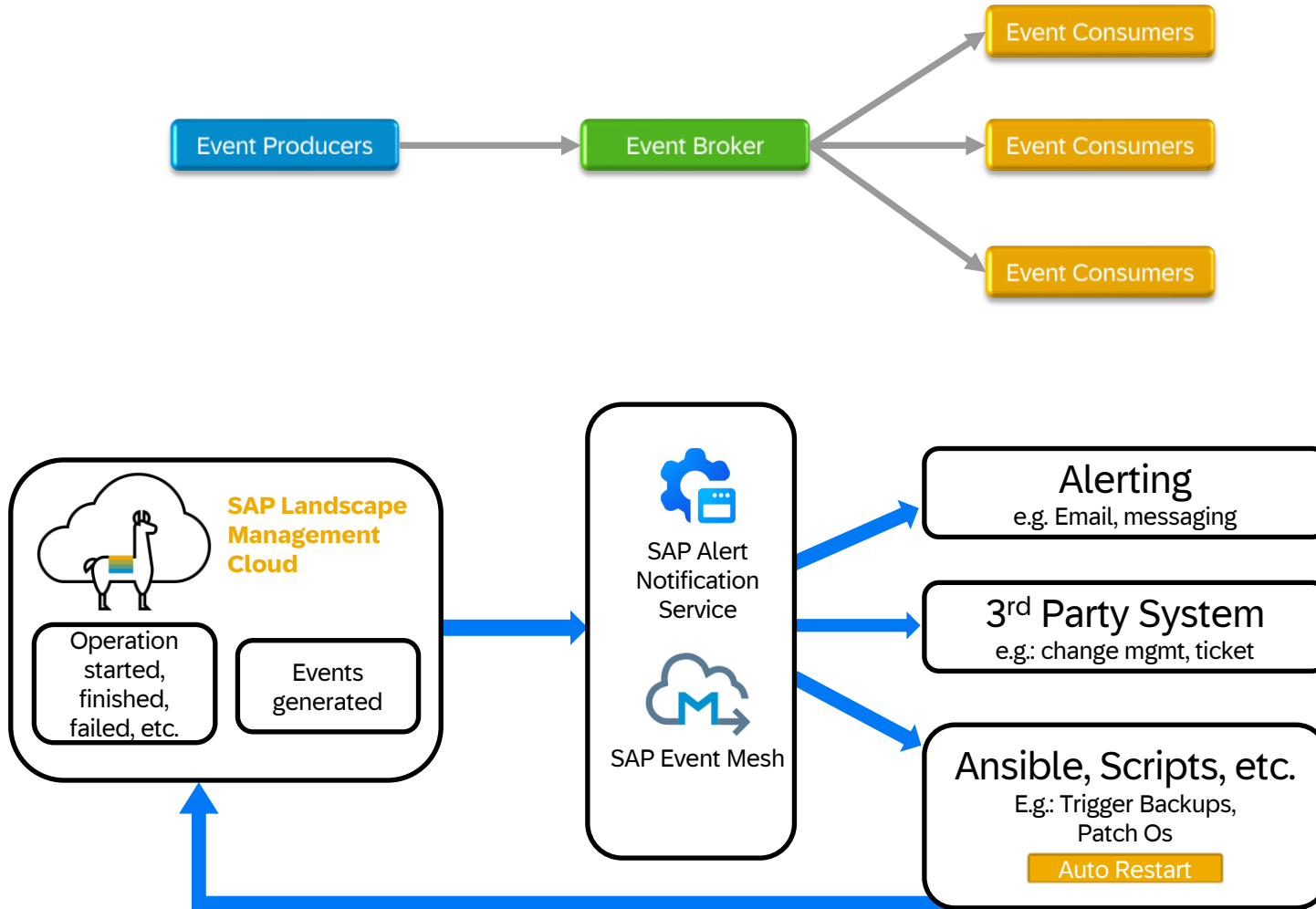
Conditional Logic

Decisions can be made based on event attributes (e.g. auto restart application server)

Easy Integration

SAP and non-SAP systems

Event Driven Automation



Increased Agility

Respond immediately to system alerts or user action using events in real time

Conditional Logic

Decisions can be made based on event attributes (e.g. auto restart application server)

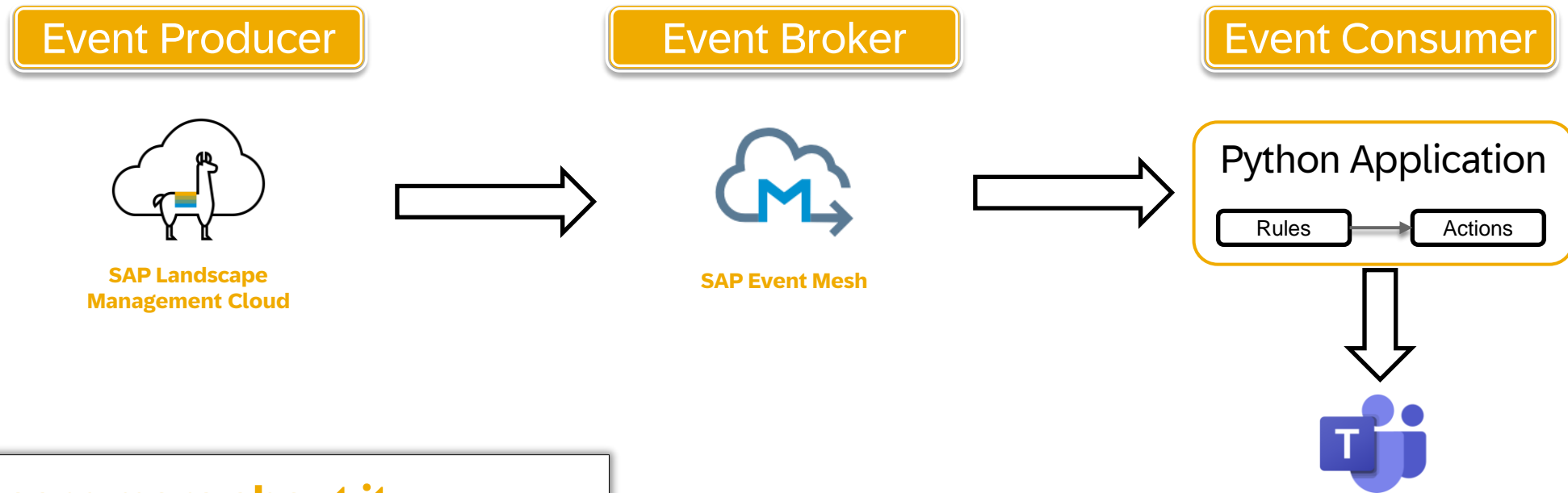
Easy Integration

SAP and non-SAP systems

Work better in Cloud

Leverage the extensive event driven capabilities in public clouds

Event Routing



Learn more about it

[SAP Community Blog](#)

[SAP GitHub Sample Scripts](#)

[TechEd2023-XP287v](#)

Live Demonstration

Cost-optimized SAP operation

[Learn more](#)

SAP Cloud Appliance Library

Find out more about the SAP Cloud Appliance Library and how you can use it to start your cloud journey



[Documentation](#)



[Product Page](#)



[Customer Community](#)

SAP Landscape Management Cloud

Learn more about how SAP Landscape Management Cloud makes operating systems in the cloud easier and more cost-effective



[Documentation](#)



[Product Page](#)



[Customer Community](#)

SAP Landscape Management

Discover SAP Landscape Management and the possibilities it offers to leave unnecessary ballast behind



[Documentation](#)



[Product Page](#)



[Customer Community](#)

Get the trial and try the hands on!

Try SAP Landscape Management Cloud with our free trial version



[Try SAP Landscape Management Cloud](#)

[Discover SAP Landscape Management Cloud Public API](#)

Wrap up

- Key use cases of SAP Landscape Management Cloud
- Possible combination of SAP Landscape Management Cloud
- Event Driven Automation with SAP Landscape Management Cloud
- Demo: Operations (Start, Stop, System Refresh), Optimization, Cost Analyzation, Event Routing, Public API
- Cost-optimized SAP operations

Key Points to Take Home

- Gain an understanding of the features and functionalities of SAP Landscape Management Cloud and SAP system management processes with a focus on SAP S/4HANA landscapes.
- Learn how to integrate SAP Landscape Management Cloud with other SAP BTP services using provided events and REST APIs.
- Discover where SAP Landscape Management Cloud can be leveraged to automate landscape management operations.
- Explore how the integration of SAP Landscape Management Cloud with SAP BTP can lead to enhanced productivity, streamlined operations, and improved system management efficiency.

Thank you.

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Please remember to
complete your session
evaluation.

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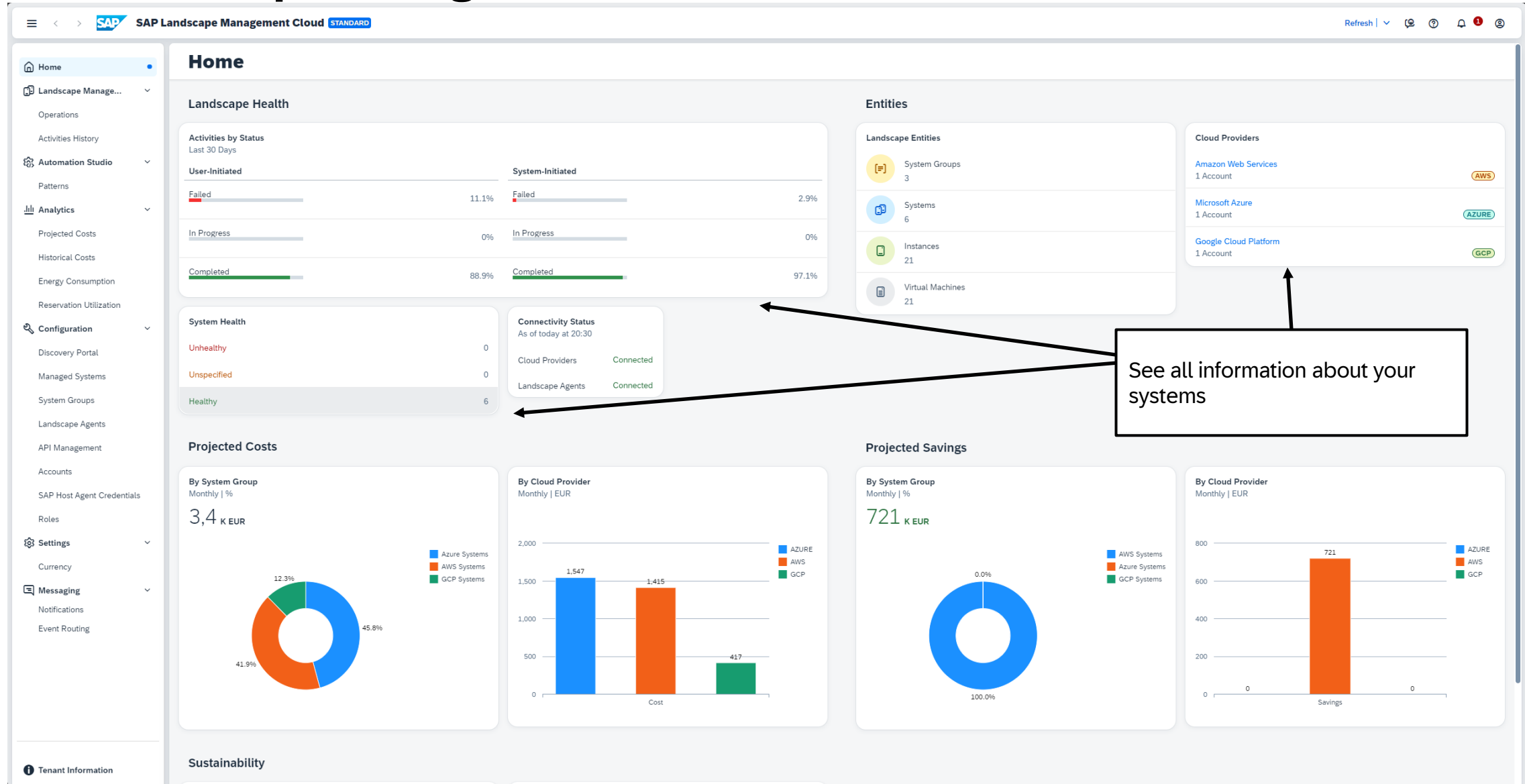
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Appendix

SAP Landscape Management Cloud – Information in One Glance



SAP Landscape Management Cloud – Add Your Hyperscaler Accounts

Accounts
No filters active

Search Cloud Provider: Landscape Agent:

Adapt Filters

Accounts (3) Create Delete

<input type="checkbox"/> Account Name	Cloud Provider	Cloud Provider Connectivity Status	Landscape Agent	
<input type="checkbox"/> lama_cloud_aws Created: Jul 17, 2023	AWS	✓ Connected	demo-exe	...
<input type="checkbox"/> lama_cloud_azure Created: Oct 19, 2023	AZURE	✓ Connected	demo-exe-azure	...
<input type="checkbox"/> lama_cloud_gcp Created: Sep 21, 2023	GCP	✓ Connected	demo-exe-gcp	...

You can add one or more of your hyperscaler accounts.
This could be either different hyperscaler like shown in the example or multiple accounts on one cloud provider (e.g. two different accounts on Azure, ...).
See and test connectivity status of SAP Landscape Management Cloud to your cloud provider.

SAP Landscape Management Cloud – Landscape Agent

The screenshot displays the SAP Landscape Management Cloud (SAP LMC) interface. The left sidebar contains navigation options: Home, Landscape Management, Operations, Activities History, Automation Studio, Patterns, Analytics, Projected Costs, Historical Costs, Energy Consumption, Reservation Utilization, Configuration, Discovery Portal, Managed Systems, System Groups, Landscape Agents (selected), API Management, Accounts, SAP Host Agent Credentials, Roles, Settings, Currency, Messaging, Notifications, and Event Routing. The main content area is divided into two panels. The left panel, titled 'Landscape Agents', shows a list of agents: Location ID, demo-exe, demo-exe-azure, and demo-exe-gcp. The right panel, titled 'demo-exe Landscape Agent Configuration', displays the configuration details for the selected agent. The configuration includes: Location ID: demo-exe, Host: lcqexe-prod-demo-exe.lama.cloud, Port: 8080, Account: lama_cloud_aws, Default Credentials: Default_demo-exe, Virtual Machine: lcqexe-prod-demo-exe, Connectivity Status: Connected, and Last Connectivity Status Check: Nov 4, 2023 20:28. A 'Test Connection' button is visible at the bottom of the configuration panel.

Landscape Agents
No filters active

Search Port: Account: Connectivity Status: [Adapt Filters](#)

Landscape Agents (3) [Create](#) [↓↑](#)

<input type="checkbox"/>	Location ID	
<input type="checkbox"/>	demo-exe	*** >
<input type="checkbox"/>	demo-exe-azure	*** >
<input type="checkbox"/>	demo-exe-gcp	*** >

demo-exe
Landscape Agent Configuration

[Edit](#) [Delete](#) [↗](#) [×](#)

Landscape Agent Configuration

Location ID: demo-exe
Host: lcqexe-prod-demo-exe.lama.cloud
Port: 8080
Account: lama_cloud_aws
Default Credentials: Default_demo-exe
Virtual Machine: lcqexe-prod-demo-exe
Connectivity Status: ✔ Connected
Last Connectivity Status Check: Nov 4, 2023 20:28

[Test Connection](#)

See the connectivity status of SAP Landscape Management Cloud to the Landscape Agent you are using.

You can use as Landscape Agent either SAP Landscape Management Enterprise Edition or the execution engine of SAP Landscape Management Cloud.

SAP Landscape Management Cloud – Discovery Portal

The screenshot displays the SAP Landscape Management Cloud Discovery Portal. The left sidebar contains navigation options: Home, Landscape Management, Operations, Activities History, Automation Studio, Patterns, Analytics, Projected Costs, Historical Costs, Energy Consumption, Reservation Utilization, Configuration (selected), Managed Systems, System Groups, Landscape Agents, API Management, Accounts, SAP Host Agent Credentials, Roles, Settings, Messaging, Notifications, Event Routing, and Tenant Information.

The main content area is titled "Discovery Portal - Unmanaged Systems" and shows the latest discovery time as 2023-11-04 20:36:21. Below this, there are filters for Lifecycle Status, Account, and discovery date ranges. A search bar is also present.

A yellow warning banner states: "Once you have managed discovered systems, systems are moved to the 'Managed Systems' view and are no longer visible on the 'Discovery Portal'."

The table below lists the discovered systems. A red box highlights the first group of systems (AWB), and a black box highlights the third group (AWH). Arrows point from these boxes to a text box on the right.

Name	Lifecycle Status	Account	Discovery Timestamp
AWB: SAP NetWeaver for ABAP, lcqawbcs.lama.cloud	Manageable	lama_cloud_aws	2023-11-04 20:35:02
SYSTEMDB@AWB SAP HANA System DB: HDB00, lcqawbdb.lama.cloud			2023-11-04 20:35:03
AWB@AWB SAP HANA Tenant DB: HDB00, lcqawbdb.lama.cloud			2023-11-04 20:35:03
AWB ASCS Instance: 00, lcqawbcs.lama.cloud			
AWB AS Instance: 00, lcqawbas2.lama.cloud			
AWB AS Instance: 00, lcqawbas1.lama.cloud			
AWF: SAP NetWeaver for ABAP, lcqawfcs.lama.cloud	Manageable	lama_cloud_aws	
SYSTEMDB@AWF SAP HANA System DB: HDB00, lcqawfdb.lama.cloud			
AWF@AWF SAP HANA Tenant DB: HDB00, ip-10-0-2-154.eu-central-1.compute.internal			
AWF ASCS Instance: 00, lcqawfcs.lama.cloud			
AWF AS Instance: 00, lcqawfas1.lama.cloud			
AWG: SAP NetWeaver for ABAP, lcqawgcs.lama.cloud	Manageable	lama_cloud_aws	
SYSTEMDB@AWG SAP HANA System DB: HDB00, lcqawgdb.lama.cloud			
AWG@AWG SAP HANA Tenant DB: HDB00, ip-10-0-5-87.eu-central-1.compute.internal			
AWG ASCS Instance: 00, lcqawgcs.lama.cloud			
AWG AS Instance: 01, lcqawgas1.lama.cloud			
AWG AS Instance: 01, lcqawgas2.lama.cloud			
AWG AS Instance: 01, lcqawgas3.lama.cloud			
AWH: SAP NetWeaver for ABAP, lcqawhcs.lama.cloud	Manageable	lama_cloud_aws	
SYSTEMDB@AWH SAP HANA System DB: HDB00, lcqawhdb.lama.cloud			
AWH@AWH SAP HANA Tenant DB: HDB00, ip-10-0-5-24.eu-central-1.compute.internal			
AWH ASCS Instance: 00, lcqawhcs.lama.cloud			
AWH AS Instance: 01, lcqawhas1.lama.cloud			
L4Z: SAP NetWeaver for Java, L4Z.lama.cloud	Not Manageable	lama_cloud_azure	

SAP Landscape Management Cloud discovers every SAP system you have in the given hyperscaler accounts and displays it in one table.

It shows you if the found SAP system is manageable for SAP Landscape Management Cloud.

SAP Landscape Management Cloud – Discovery Portal

The screenshot displays the SAP Landscape Management Cloud interface, specifically the Discovery Portal for Unmanaged Systems. The left sidebar contains navigation options: Home, Landscape Management, Operations, Activities History, Automation Studio, Patterns, Analytics, Configuration, and Settings. The main content area is divided into two sections. The top section, 'Discovery Portal - Unmanaged Systems', shows a 'Run Discovery' button and a table of systems. The bottom section, 'L4Z: SAP NetWeaver for Java, L4Z.lama.cloud', displays validation errors. A callout box with an arrow points to the 'Invalid Client Connect Address' error.

Discovery Portal - Unmanaged Systems

Latest Discovery Time: 2023-11-04 20:36:21
Next Scheduled Discovery Run: In 2 hours and 55 minutes
No filters active

Once you have managed discovered systems, systems are moved to the "Managed Systems" view and are no longer visible on the "Discovery Portal".

<input type="checkbox"/>	Name	
<input type="checkbox"/>	> AWB: SAP NetWeaver for ABAP, lcqawbcs.lama.cloud	...
<input type="checkbox"/>	> AWF: SAP NetWeaver for ABAP, lcqawfcs.lama.cloud	...
<input type="checkbox"/>	> AWG: SAP NetWeaver for ABAP, lcqawgcs.lama.cloud	...
<input type="checkbox"/>	> AWH: SAP NetWeaver for ABAP, lcqawhcs.lama.cloud	...
<input type="checkbox"/>	L4Z: SAP NetWeaver for Java, L4Z.lama.cloud	>

Page 1 of 1 (1 - 5)

L4Z: SAP NetWeaver for Java, L4Z.lama.cloud

System

General Information Latest Discovery Information

Validation Errors (2)

- Incomplete System**
Cannot find all required instances for SAP system L4Z. Missing instances: D,ASCS
- Invalid Client Connect Address**
Database connect address l4z (null) does not point to a host with a database installed.

In case of an unmanageable system you can find the problems in the details view of that specific system.

SAP Landscape Management Cloud – Discovery Portal

The screenshot displays the SAP Landscape Management Cloud Discovery Portal. The left sidebar contains navigation options: Home, Landscape Manage..., Operations, Activities History, Automation Studio, Patterns, Analytics, Configuration (selected), Managed Systems, System Groups, Landscape Agents, API Management, Accounts, SAP Host Agent Credentials, Roles, Settings, Messaging, and Tenant Information. The main content area is titled 'Discovery Portal - Virtual Machines' and shows a list of 250 virtual machines. A red box highlights the 'Account' column, which lists various cloud providers like 'lama_cloud_aws', 'lama_cloud_azure', and 'lama_cloud_gcp'. A callout box points to this column with the text: 'See all virtual machines of your hyperscaler accounts in one view. (E.g.: You see all virtual machines of the GCP, AWS and Azure account without switching into the different hyperscaler views) You can also exclude virtual machines from the system discovery of SAP Landscape Management Cloud.'

Virtual Machines (250) Page 1 of 5 (1 - 50) < >

Status / Name	SAP Host Agent	Account	System Discovery	Managed Systems	SAP Host Agent Credentials	Discovery Timestamp	Actions
Cloud Connector LC VPC	Invalid User Credentials	lama_cloud_aws	Activated	No	Default_demo-exe	2023-11-04 20:34:39	...
CloudConnectorTSC	Connection Refused	lama_cloud_azure	Activated	No	Default_demo-exe-azure	2023-11-04 20:35:12	...
dvebmgs-asc	Not Discovered	lama_cloud_gcp	Activated	No	Default_demo-exe	2023-10-04 12:32:32	...
dvebmgs-db	Not Discovered	lama_cloud_gcp	Activated	No	Default_demo-exe	2023-11-04 20:34:22	...
exe-template-WIP	Not Discovered	lama_cloud_aws	Activated	No	Default_demo-exe	2023-06-29 18:32:10	...
exelaccount-ExE1	Not Discovered	lama_cloud_azure	Activated	No	Default_demo-exe-azure	2023-11-04 20:35:12	...
FARCRysyste-ASC4	Not Discovered	lama_cloud_azure	Activated	No	Default_demo-exe-azure	2023-10-27 15:40:43	...
FARCRysyste-HAN1	Not Discovered	lama_cloud_azure	Activated	No	Default_demo-exe-azure	2023-10-27 15:40:43	...
FARCRysyste-PAS2	Not Discovered	lama_cloud_azure	Activated	No	Default_demo-exe-azure	2023-11-04 20:34:38	...
FARCRysyste-PAS3	Not Discovered	lama_cloud_azure	Activated	No	Default_demo-exe-azure	2023-11-04 20:34:38	...
FOTBALsyste-ASC5	Not Discovered	lama_cloud_azure	Activated	No	Default_demo-exe-azure	2023-11-04 20:35:11	...
FOTBALsyste-ERS6	Not Discovered	lama_cloud_azure	Activated	No	Default_demo-exe-azure	2023-11-04 20:34:38	...
FOTBALsyste-HAN1	Not Discovered	lama_cloud_azure	Activated	No	Default_demo-exe-azure	2023-11-04 20:34:22	...
FOTBALsyste-HAN2	Not Discovered	lama_cloud_azure	Activated	No	Default_demo-exe-azure	2023-01-30 14:17:35	...
FOTBALsyste-PAS4	Not Discovered	lama_cloud_azure	Activated	No	Default_demo-exe-azure	2023-11-04 20:35:11	...
FOTBALsyste-SAP7	Not Discovered	lama_cloud_azure	Activated	No	Default_demo-exe-azure	2023-11-04 20:35:11	...
FOTBALsyste-SAP8	Not Discovered	lama_cloud_azure	Activated	No	Default_demo-exe-azure	2023-11-04 20:35:11	...
gcp-backup-server-92149	Not Discovered	lama_cloud_gcp	Activated	No	Default_demo-exe	2023-11-04 20:34:38	...
gcp-jumphost	Not Discovered	lama_cloud_gcp	Activated	No	Default_demo-exe	2023-11-04 20:34:38	...
gcp-scc	Not Discovered	lama_cloud_gcp	Activated	No	Default_demo-exe	2023-11-04 20:34:38	...
i565161_test	Connection Refused	lama_cloud_aws	Activated	No	Default_demo-exe	2023-11-04 20:34:38	...
jumphost_SLES_15.2	Connection Refused	lama_cloud_aws	Activated	No	Default_demo-exe	2023-11-04 20:34:38	...
L4Z	Not Discovered	lama_cloud_azure	Activated	No	Default_demo-exe-azure	2023-11-04 20:35:11	...
lama LKM	Invalid User Credentials	lama_cloud_aws	Activated	No	Default_demo-exe	2023-11-04 20:34:38	...
lama-gcp	Not Discovered	lama_cloud_gcp	Activated	No	Default_demo-exe	2023-11-04 20:34:22	...
lcq-exe-ecc	Not Discovered	lama_cloud_azure	Activated	No	Default_demo-exe-azure	2023-01-30 14:17:35	...
lcq-lama-ee-sim	Not Discovered	lama_cloud_azure	Activated	No	Default_demo-exe-azure	2023-11-04 20:35:11	...

SAP Landscape Management Cloud – Discovery Portal

Home

Landscape Manage...

Operations

Activities History

Automation Studio

Patterns

Analytics

Projected Costs

Historical Costs

Energy Consumption

Reservation Utilization

Configuration

Discovery Portal

Managed Systems

System Groups

Landscape Agents

API Management

Accounts

SAP Host Agent Credentials

Roles

Settings

Currency

Messaging

Notifications

Event Routing

Tenant Information

Virtual Machines

Unmanaged Systems

Discovery Portal - Virtual Machines

No filters active

Search

Status:

SAP Host Agent:

SAP Host Agent Credentials:

From Discovery Date / Time:

To Discovery Date / Time:

Account:

System Discovery:

Managed Systems:

Adapt Filters

On all virtual machines that are not assigned to any instance of a managed system, you can activate or deactivate system discovery.

Virtual Machines (250)

Actions

Virtual Machines

Cloud Connector LC VPC

CloudConnectorTSC

dvebmgs-ascs

dvebmgs-db

exe-template-WIP

exeinaccoun-ExE1

FARCRYsystem-ASC4

FARCRYsystem-HAN1

FARCRYsystem-PAS2

FARCRYsystem-PAS3

FOTBALsystem-ASC5

FOTBALsystem-ERS6

FOTBALsystem-HAN1

FOTBALsystem-HAN2

FOTBALsystem-PAS4

FOTBALsystem-SAP7

FOTBALsystem-SAP8

gcp-backup-server-92149

gcp-jumphost

gcp-scc

i565161_test

jump_host_SLES_15.2

1.47

FARCRYsystem-HAN1

Virtual Machine

General Information

Latest Discovery Information

Summary

Cloud Provider: AZURE

Virtual Machine Status: Not Running

Account: lama_cloud_azure

Region: westeurope

System Discovery: Activated

Managed Systems: No

Additional Information

Virtual Machine Details

Virtual Machine Name: FARCRYsystem-HAN1

Memory (MB): 128,000

Operating System: Linux

Average CPU Utilization: 0%

IP Addresses: 10.4.0.17

10.4.0.18

Attached Storage

Storage ID	Storage Name	Storage Type	Storage Size (GB)
a6fcd8b7be63f79	FARCRYsystem-HAN1-DiskL	StandardSSD_LRS	128
50f93d24c88075a	FARCRYsystem-HAN1-DiskD	StandardSSD_LRS	32
2d546dca5e463e	FARCRYsystem-HAN1-DiskE	StandardSSD_LRS	256
31f248d0f7ea51	FARCRYsystem-HAN1-DiskH	StandardSSD_LRS	32
8aae29cd0c2578f	FARCRYsystem-HAN1-DiskF	StandardSSD_LRS	32
ab7484ed9f32c47	FARCRYsystem-HAN1-DiskK	StandardSSD_LRS	128
0d57e82e068174	FARCRYsystem-HAN1-DiskC	StandardSSD_LRS	64
994708f2bc57817	FARCRYsystem-HAN1-DiskG	StandardSSD_LRS	32
a9bd4f2d47a799	FARCRYsystem-HAN1-OS	StandardSSD_LRS	64
67a264c1c99094	FARCRYsystem-HAN1-DiskI	StandardSSD_LRS	128

In the details of one virtual machine you find its summary, additional information and attached storages.

SAP Landscape Management Cloud – Create Pattern for Optimization

The screenshot displays the SAP Landscape Management Cloud interface. On the left is a navigation menu with sections like Home, Landscape Management, Automation Studio, Analytics, Configuration, and Settings. The main area is divided into two panels. The left panel, titled 'Patterns', shows a list of existing patterns with columns for Name, Pattern Usage, Pattern Status, and Created By. One pattern, 'Demo Andreia', is highlighted with a red border and labeled 'Time-Limited'. The right panel, titled 'Demo SAPinsider', shows the 'Pattern Details' for a new pattern. It includes fields for Pattern Name, Pattern Type (Ongoing or Time-Limited), Created, Last Modified, and Created By. Below these are 'Time Slots' configuration options. Two slots are shown: 'Time Slot 2: 16:00-21:00 (Saturday)' which is 'Running' and 'Time Slot 1: 00:00-00:00 (Monday, Tuesday, Wednesday, Thursday, Friday, Sunday)' which is 'Scaled In'. Each slot has options for Target Status (Running or Scaled In), Start/End Time, and Occurrence (days of the week). A text box with an arrow points to the 'Running' status of Time Slot 2.

Patterns
No filters active

Created: Type: Pattern Usage: Pattern Status:

Search MMM d, ... All All

Created By: All [Adapt Filters](#)

Patterns (6) [Create](#) [Delete](#) [↑↓](#)

Name	Pattern Usage	Pattern Status	Created By
<input type="checkbox"/> New Pattern			Customer
<input type="checkbox"/> Demo Andreia	1 Systems	Expired	Customer
<input type="checkbox"/> Demo SA			Customer
<input type="checkbox"/> Workdays Running 16h			SAP
<input type="checkbox"/> Weekends Scaled In			SAP
<input type="checkbox"/> Workdays Running			

Pattern Details
Pattern

[Pattern Details](#)

To use patterns, you apply them to systems in the "Operations" view.

Summary

Pattern Name: Demo SAPinsider

Pattern Type: ☒ Ongoing ☐ Time-Limited

Created: today

Last Modified: today

Created By: Customer

Time Slots [Add](#) [Collapse All](#)

☒ New Time Slot 2: 16:00-21:00 (Saturday) **Running** [Remove](#)

Target Status: ☒ Running ☐ Scaled In

Start/End Time: 16:00 21:00

Occurrence: M T W T F S S

☒ Time Slot 1: 00:00-00:00 (Monday, Tuesday, Wednesday, Thursday, Friday, Sunday) **Scaled In** [Remove](#)

Target Status: ☐ Running ☒ Scaled In

Start/End Time: 00:00 00:00

Occurrence: M T W T F S S

Description

250 characters remaining

[Create](#) [Cancel](#)

Reduce costs by creating patterns for your SAP systems and business needs.

(e.g. You only need the system running during your office hours. You can simply create a pattern with the timeslot where the system should be up and running. On the other times the system and virtual machines will be automatically stopped to save money)

Define also time slots where the system should be scaled in.

SAP Landscape Management Cloud – Apply Pattern

Operations | Projected Costs 5.5K USD | Projected Savings 0 USD

No filters active

Search [] Usage Type: [All] System Status: [] System Group: [] Optimization: [] Target Status: [] Last Operation Status: [] Projected Cost: [] Adapt Filters

Systems (7)

Status / Name	System Group	Optimization	Target Status	Next Scheduled Operation	Schedule Date/Time	Last Operation Status	Projected Cost
<input type="checkbox"/> > AWC: SAP NetWeaver for ABAP, lcqawccs.lama.cloud	AWx					Completed	678.02 USD
<input type="checkbox"/> > AWD: SAP NetWeaver for ABAP, lcqawdcs.lama.cloud	AWx					Failed	909.93 USD
<input type="checkbox"/> > AWE: SAP NetWeaver for ABAP, lcqawecs.lama.cloud	AWE					Completed	681.31 USD
<input type="checkbox"/> > AWF: SAP NetWeaver for ABAP, lcqawfcs.lama.cloud	gtp_group					Completed	908.02 USD
<input type="checkbox"/> > AWG: SAP NetWeaver for ABAP, lcqawgcs.lama.cloud	AWx					Completed	908.02 USD
<input type="checkbox"/> > AWH: SAP NetWeaver for ABAP, lcqawhcs.lama.cloud	AWx					Completed	681.31 USD
<input type="checkbox"/> > AWA AXCS - Changed Name	AWx						

In the operations view you can apply pattern to one or more managed system.

SAP Landscape Management Cloud – Apply Pattern

The screenshot displays the SAP Landscape Management Cloud interface. The left sidebar contains navigation options: Home, Landscape Manage..., Operations, Activities History, Automation Studio, Patterns, Analytics, Configuration, Discovery Portal, Managed Systems, System Groups, Landscape Agents, API Management, Accounts, SAP Host Agent Credentials, Roles, Settings, Currency, Messaging, Notifications, and Event Routing. The main area shows the 'Operations' tab with a summary of 'Projected Costs 5,1K EUR' and 'Projected Savings 0 EUR'. A list of systems is shown, including AWC, AWD, AWE, AWF, AWG, AWH, and AWA. A modal dialog titled 'Apply Pattern: Workdays Running 16h' is open, showing 'Pattern Settings' and 'Selected Entities'. The 'Pattern Selection' section shows the current pattern as 'None' and the new pattern as 'Workdays Running 16h'. The 'Cost and Consumption Forecast' section displays two bar charts for a 1-month preview period. The first chart shows projected costs, with the current pattern at 848.46 EUR and the new pattern at 413.98 EUR, resulting in a saving of 434 EUR. The second chart shows projected energy consumption, with the current pattern at 55 kWh and the new pattern at 26.2 kWh, resulting in a saving of 28.8 kWh. A text box on the right explains that during the apply pattern dialog, users will see a forecast about the impact of that pattern on costs and energy consumption, such as saving 435€ and ~29kWh each month by applying the 'Workdays Running 16h' pattern.

Apply Pattern: Workdays Running 16h

Pattern Settings | **Selected Entities**

If you do not find a pattern that matches your needs, create one in the "Automation Studio" > "Patterns" view.

Pattern Selection

Current Pattern: None
New Pattern: **Workdays Running 16h**

Cost and Consumption Forecast

Preview Period: 1 Week | **1 Month** | 3 Months | 1 Year

Projected Savings: 434 EUR

Projected Energy Savings: 28.8 kWh

Projected Costs

Pattern	Projected Cost (EUR)
Projected Cost for Current Pattern	848.46
Projected Cost for New Pattern	413.98

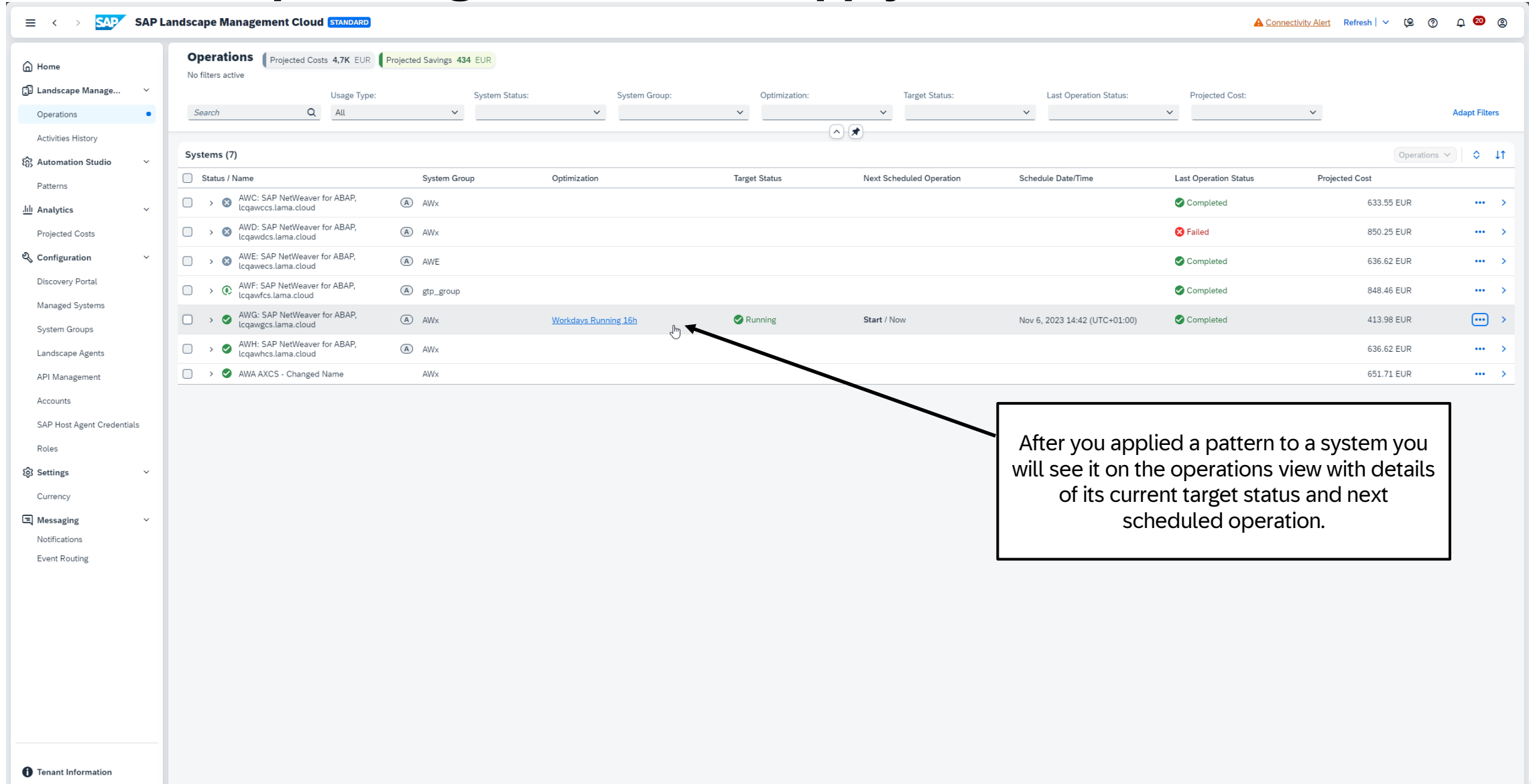
Projected Energy Consumption

Pattern	Projected Energy Consumption (kWh)
Projected Energy Consumption for Current Pattern	55
Projected Energy Consumption for New Pattern	26.2

During the apply pattern dialog you will also see a forecast about the impact of that pattern to your costs and energy consumption.

(e.g.: By applying the default pattern "Workdays Running 16h" we can save 435€ and ~29kWh each month)

SAP Landscape Management Cloud – Apply Pattern



The screenshot displays the SAP Landscape Management Cloud interface. The top navigation bar includes the SAP logo, the title "SAP Landscape Management Cloud STANDARD", and a "Connectivity Alert" with a "Refresh" button. The left sidebar contains a navigation menu with categories like Home, Landscape Management, Operations, Automation Studio, Analytics, Configuration, and Settings. The main content area is titled "Operations" and shows "Projected Costs 4,7K EUR" and "Projected Savings 434 EUR". Below this, there are filter dropdowns for Usage Type, System Status, System Group, Optimization, Target Status, Last Operation Status, and Projected Cost. A table titled "Systems (7)" lists various systems with columns for Status / Name, System Group, Optimization, Target Status, Next Scheduled Operation, Schedule Date/Time, Last Operation Status, and Projected Cost. One system, "AWG: SAP NetWeaver for ABAP, lcqawgcs.lama.cloud", is highlighted with a blue arrow pointing to its "Running" status and "Workdays Running 16h" duration. A text box on the right explains that after applying a pattern to a system, it will be visible in the operations view with details of its current target status and next scheduled operation.

Operations | Projected Costs 4,7K EUR | Projected Savings 434 EUR

No filters active

Search [] Usage Type: All System Status: System Group: Optimization: Target Status: Last Operation Status: Projected Cost: Adapt Filters

Systems (7)

Status / Name	System Group	Optimization	Target Status	Next Scheduled Operation	Schedule Date/Time	Last Operation Status	Projected Cost
AWC: SAP NetWeaver for ABAP, lcqawccs.lama.cloud	AWx		Completed			Completed	633.55 EUR
AWD: SAP NetWeaver for ABAP, lcqawdcs.lama.cloud	AWx		Failed			Failed	850.25 EUR
AWE: SAP NetWeaver for ABAP, lcqawecs.lama.cloud	AWE		Completed			Completed	636.62 EUR
AWF: SAP NetWeaver for ABAP, lcqawfcs.lama.cloud	gtp_group		Completed			Completed	848.46 EUR
AWG: SAP NetWeaver for ABAP, lcqawgcs.lama.cloud	AWx	Workdays Running 16h	Running	Start / Now	Nov 6, 2023 14:42 (UTC+01:00)	Completed	413.98 EUR
AWH: SAP NetWeaver for ABAP, lcqawhcs.lama.cloud	AWx						636.62 EUR
AWA AXCS - Changed Name	AWx						651.71 EUR

After you applied a pattern to a system you will see it on the operations view with details of its current target status and next scheduled operation.

SAP Landscape Management Cloud – System Refresh

The screenshot displays the SAP Landscape Management Cloud interface. The left sidebar contains navigation menus for Home, Landscape Management, Operations, Automation Studio, Analytics, Configuration, Settings, and Messaging. The main area shows the 'Operations' section with a summary of projected costs and savings. Below this is a table of systems with columns for Status, Name, System Group, Optimization, Target Status, Next Scheduled Operation, Schedule Date/Time, Last Operation Status, and Projected Cost. A context menu is open for the system 'GC3: SAP NetWeaver for ABAP, lcqgc3cs.lama.cloud', showing options like Stop, Create PCA Task Lists Key, Refresh System, and Stop Gracefully. A callout box points to the 'Refresh System' option.

Operations | Projected Costs 3,4K EUR | Projected Savings 721 EUR

No filters active

Search [] Usage Type: All System Status: System Group: Optimization: Target Status: Last Operation Status: Projected Cost: Adapt Filters

Systems (6)

Status / Name	System Group	Optimization	Target Status	Next Scheduled Operation	Schedule Date/Time	Last Operation Status	Projected Cost
<input type="checkbox"/> > AWD: SAP NetWeaver for ABAP, lcqawdcs.lama.cloud	AWS Systems	Demo Andrea				Completed	129,41 EUR
<input type="checkbox"/> > AZG: NetWeaver ABAP, lcqazgcs.2tz3lld2uu5ufcprecou112wd.ax.internoudapp.net	Azure Systems					Completed	826,48 EUR
<input type="checkbox"/> > AZH: NetWeaver ABAP, lcqazhci.2tz3lld2uu5ufcprecou112wd.ax.internoudapp.net	Azure Systems					Completed	720,76 EUR
<input type="checkbox"/> > GC3: SAP NetWeaver for ABAP, lcqgc3cs.lama.cloud	GCP Systems					Completed	417,23 EUR
<input type="checkbox"/> > AWA: SAP NetWeaver for ABAP, lcqawacsp.lama.cloud	AWS Systems					Completed	
<input type="checkbox"/> > AWC: SAP NetWeaver for ABAP, lcqawccs.lama.cloud	AWS Systems					Completed	

Stop
Create PCA Task Lists Key
Refresh System
Stop Gracefully

Operations >
Optimization >

You can find the refresh system operation for systems which are set to advance usage and have RFC configured.

SAP Landscape Management Cloud – System Refresh

Home

Landscape Manage...

Operations

Activities History

Automation Studio

Patterns

Analytics

Projected Costs

Historical Costs

Energy Consumption

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System Groups

Landscape Agents

API Management

Accounts

SAP Host Agent Credentials

Roles

Settings

Currency

Messaging

Notifications

Event Routing

Tenant Information

Operations

Projected Costs 3,4K EUR

No filters active

Usage Type: All

Search

Systems (6)

☐

Status / Name

☐

>

AWD: SAP NetWeaver for ABAP, lcqawdcs.lama.cloud

☐

>

AZG: NetWeaver ABAP, lcqazgcs.2tz3lld2uu5ufcprecou112wd.loudapp.net

☐

>

AZH: NetWeaver ABAP, lcqazhcl.2tz3lld2uu5ufcprecou112wd.loudapp.net

☐

>

GC3: SAP NetWeaver for ABAP, lcqgc3cs.lama.cloud

☐

>

AWA: SAP NetWeaver for ABAP, lcqawacsp.lama.cloud

☐

>

AWC: SAP NetWeaver for ABAP, lcqawccs.lama.cloud

Operation: Refresh System

Source System >> Database Restore >> Network Isolation >> Post-Copy Automation >> Review

Source System

Source System: AZG: NetWeaver ABAP, lcqazgcs.2tz3lld2uu5ufcprecou112wd.ax.intern... ?

Target System: GC3: SAP NetWeaver for ABAP, lcqgc3cs.lama.cloud

Next Step Cancel

Refresh

Projected Cost:

Adapt Filters

Operations

Last Operation Status	Projected Cost	
Completed	129,41 EUR	...
Completed	826,48 EUR	...
Completed	720,76 EUR	...
Completed	417,23 EUR	...
Completed	651,71 EUR	...
Completed	633,55 EUR	...

SAP Landscape Management Cloud – System Refresh

Operation: Refresh System

Source System >> **Database Restore** >> Network Isolation >> Post-Copy Automation >> Review

Database Restore

Path to File-Based Data Backup: ?

Database User for Target System: ?

Database User Password for Target System:

Restore ABAP Database Schema User Credentials

ABAP Database Schema User: ?

Target ABAP Database Schema User Password:

Source ABAP Database Schema User Password:

Restore Additional User Credentials (1) ? Add

Username	Source Password	Target Password
<input type="text" value="Test"/>	<input type="password" value="****"/>	<input type="password" value="****"/> ?

Previous Step **Next Step** Cancel

Next Step

Operations (Projected Costs 3,4K EUR)

No filters active

Search All

Usage Type:

Systems (6)

Status / Name
<input type="checkbox"/> > AWD: SAP NetWeaver for ABAP, lcqawdcs.lama.cloud
<input type="checkbox"/> > AZG: NetWeaver ABAP, lcqazgcs.2tz3ild2uu5uficprecou112wd.loudapp.net
<input type="checkbox"/> > AZH: NetWeaver ABAP, lcqazhcl.2tz3ild2uu5uficprecou112wd.loudapp.net
<input type="checkbox"/> > GC3: SAP NetWeaver for ABAP, lcqgc3cs.lama.cloud
<input type="checkbox"/> > AWA: SAP NetWeaver for ABAP, lcqawacsp.lama.cloud
<input type="checkbox"/> > AWC: SAP NetWeaver for ABAP, lcqawccs.lama.cloud

Projected Cost:

Last Operation Status	Projected Cost
Completed	129,41 EUR
Completed	826,48 EUR
Completed	720,76 EUR
Completed	417,23 EUR
Completed	651,71 EUR
Completed	633,55 EUR

SAP Landscape Management Cloud – System Refresh

The screenshot displays the SAP Landscape Management Cloud interface during a system refresh operation. The main window is titled 'Operation: Refresh System' and shows a sequence of steps: Source System, Database Restore, Network Isolation (current step), Post-Copy Automation, and Review.

Network Isolation Step:

Allowed Outgoing Connections (12)

Rule Type	Target Host	Target Port	Description
Host	localhost	Any Port	Allow communication to host (localhost) on all ports.
Host	b1qdb.example.com	Any Port	Allow communication to host (b1qdb.example.com) on all ports.
Host	b1qdb-vm.example.com	Any Port	Allow communication to host (b1qdb-vm.example.com) on all ports.
Host	b1qcs.example.com	Any Port	Allow communication to host (b1qcs.example.com) on all ports.
Host	b1qcs-vm.example.com	Any Port	Allow communication to host (b1qcs-vm.example.com) on all ports.
Host	b1qas1.example.com	Any Port	Allow communication to host (b1qas1.example.com) on all ports.
Host	b1qas1-vm.example.com	Any Port	Allow communication to host (b1qas1-vm.example.com) on all ports.
Port	Any Host	389	Allow communication to all hosts on port/service (ldap).
Port	Any Host	636	Allow communication to all hosts on port/service (ldaps).
Port	Any Host	2049	Allow communication to all hosts on port/service (nfs).
Port	Any Host	3020	Allow communication to all hosts on port/service (cifs).
Port	Any Host	445	Allow communication to all hosts on port/service (microsoft-ds).

Remove network isolation after post-copy automation is completed: ☐

Navigation buttons: Previous Step, Next Step, Cancel

Background Interface:

- Left Sidebar:** Home, Landscape Manage..., Operations (selected), Activities History, Automation Studio, Patterns, Analytics, Projected Costs, Historical Costs, Energy Consumption, Reservation Utilization, Configuration, Discovery Portal, Managed Systems, System Groups, Landscape Agents, API Management, Accounts, SAP Host Agent Credentials, Roles, Settings, Messaging, Notifications, Event Routing, Tenant Information.
- Operations Panel:** Projected Costs 3,4K EUR, No filters active, Search, All, Systems (6).
 - ☐ AWD: SAP NetWeaver for ABAP, lcqawdcs.lama.cloud
 - ☐ AZG: NetWeaver ABAP, lcqazgcs.2tz3ld2uu5uficprecou112wd.loudapp.net
 - ☐ AZH: NetWeaver ABAP, lcqazhcl.2tz3ld2uu5uficprecou112wd.oudapp.net
 - ☐ GC3: SAP NetWeaver for ABAP, lcqgc3cs.lama.cloud
 - ☐ AWA: SAP NetWeaver for ABAP, lcqawacsp.lama.cloud
 - ☐ AWC: SAP NetWeaver for ABAP, lcqawccs.lama.cloud
- Right Panel:** Projected Cost: [Dropdown], Adapt Filters, Operations [Dropdown], Last Operation Status, Projected Cost.

Last Operation Status	Projected Cost
Completed	129,41 EUR
Completed	826,48 EUR
Completed	720,76 EUR
Completed	417,23 EUR
Completed	651,71 EUR
Completed	633,55 EUR

SAP Landscape Management Cloud – System Refresh

The screenshot displays the SAP Landscape Management Cloud interface. The left sidebar contains navigation menus for Home, Landscape Management, Operations, Automation Studio, Analytics, Configuration, Settings, Messaging, and Tenant Information. The main area shows the 'Operations' section with a 'Refresh System' modal open. The modal has tabs for Source System, Database Restore, Network Isolation, Post-Copy Automation (selected), and Review. The 'Post-Copy Automation (PCA)' tab shows a 'Refresh Task List' configuration with a Client dropdown set to '000' and a Task List dropdown set to 'SAP_BASIS_COPY_REFRESH'. Below this, the 'Additional Task Lists (1)' section shows a table with one entry: Client '000' and Task List 'SAP_BASIS_COPY_BDLS'. The background shows a table of systems with their last operation status and projected costs.

Operation: Refresh System

Source System >> Database Restore >> Network Isolation >> **Post-Copy Automation** >> Review

Post-Copy Automation (PCA)

Refresh Task List ?

Client: * 000

Task List: * SAP_BASIS_COPY_REFRESH

Task List Variant:

Additional Task Lists (1) ?

Client	Task List	Task List Variant
000	SAP_BASIS_COPY_BDLS	

Previous Step Review Cancel

Systems (6)

No filters active

Search

Usage Type: All

Status / Name
<input type="checkbox"/> > AWD: SAP NetWeaver for ABAP, lcqawdcs.lama.cloud
<input type="checkbox"/> > AZG: NetWeaver ABAP, lcqazgcs.2tz3lld2uu5ufclprecou112wd.loudapp.net
<input type="checkbox"/> > AZH: NetWeaver ABAP, lcqazhcl.2tz3lld2uu5ufclprecou112wd.loudapp.net
<input type="checkbox"/> > GC3: SAP NetWeaver for ABAP, lcqgc3cs.lama.cloud
<input type="checkbox"/> > AWA: SAP NetWeaver for ABAP, lcqawacsp.lama.cloud
<input type="checkbox"/> > AWC: SAP NetWeaver for ABAP, lcqawccs.lama.cloud

Projected Cost:

Adapt Filters

Last Operation Status	Projected Cost
Completed	129,41 EUR
Completed	826,48 EUR
Completed	720,76 EUR
Completed	417,23 EUR
Completed	651,71 EUR
Completed	633,55 EUR

SAP Landscape Management Cloud – Operations

Operations | Projected Costs 3,4K EUR | Projected Savings 721 EUR

No filters active

Search Usage Type: System Status: System Group: Optimization: Target Status: Last Operation Status: Projected Cost: [Adapt Filters](#)

Systems (6)

Status / Name	System Group	Optimization	Target Status	Next Scheduled Operation	Schedule Date/Time	Last Operation Status	Projected Cost
<input type="checkbox"/> > AWD: SAP NetWeaver for ABAP, lcqawdcs.lama.cloud	AWS Systems	Demo Andreia				Completed	
<input type="checkbox"/> > AZG: NetWeaver ABAP, lcqazgcs.2tz3lld2uu5uflcprou112wd.ax.internoudapp.net	Azure Systems					Completed	876,48 EUR
<input type="checkbox"/> > AZH: NetWeaver ABAP, lcqazhcl.2tz3lld2uu5uflcprou112wd.ax.internoudapp.net	Azure Systems					Completed	720,76 EUR
<input checked="" type="checkbox"/> > GC3: SAP NetWeaver for ABAP, lcqgc3cs.lama.cloud	GCP Systems					Completed	417,23 EUR
<input checked="" type="checkbox"/> > AWA: SAP NetWeaver for ABAP, lcqawacsp.lama.cloud	AWS Systems					Completed	651,71 EUR
<input type="checkbox"/> > AWC: SAP NetWeaver for ABAP, lcqawccs.lama.cloud	AWS Systems					Completed	633,55 EUR

You can select multiple systems from different hyperscaler accounts and can perform operations and optimization on them at once.

SAP Landscape Management Cloud – Operations

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Accounts

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Roles

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Notifications

Event Routing

Tenant Information

Operations

Projected Costs 3,4K EUR

Projected Savings 721 EUR

No filters active

Search

Usage Type: All

System Status:

System Group:

Optimization:

Target Status:

Last Operation Status:

Projected Cost:

Adapt Filters

Systems (6)

Status / Name	System Group	Optimization	Target Status	Next Scheduled Operation	Schedule Date/Time	Last Operation Status	Projected Cost
<input type="checkbox"/> > AWD: SAP NetWeaver for ABAP, lcqawdcs.lama.cloud	AWS Systems					Completed	129,41 EUR
<input type="checkbox"/> > AZG: NetWeaver ABAP, lcqazgcs.2tz3lld2uu5ufclpcrcou112wd.ax.interr	Azure Systems					Completed	826,48 EUR
<input type="checkbox"/> > AZH: NetWeaver ABAP, lcqazhcl.2tz3lld2uu5ufclpcrcou112wd.ax.interr	Azure Systems					Completed	720,76 EUR
<input checked="" type="checkbox"/> > GC3: SAP NetWeaver for ABAP, lcqgc3cs.lama.cloud	GCP Systems					Completed	417,23 EUR
<input checked="" type="checkbox"/> > AWA: SAP NetWeaver for ABAP, lcqawacsp.lama.cloud	AWS Systems					Completed	651,71 EUR
<input type="checkbox"/> > AWC: SAP NetWeaver for ABAP, lcqawccs.lama.cloud	AWS Systems					Completed	633,55 EUR

Operation: Start

Selected Instances >>> Review

Actionable Instances and Dependencies (8)

Status / Name

AWA: SAP NetWeaver for ABAP, lcqawacsp.lama.cloud

SYSTEMDB@AWA SAP HANA System DB: HDB00, lcqawadbp.lama.cloud

AWA@AWA SAP HANA Tenant DB: HDB00, lcqawadbp.lama.cloud

AWA ASCS Instance: 00, lcqawacsp.lama.cloud

AWA AS Instance: 00, lcqawaas1p.lama.cloud

GC3: SAP NetWeaver for ABAP, lcqgc3cs.lama.cloud

SYSTEMDB@GC3 SAP HANA System DB: HDB00, lcqgc3db.lama.cloud

GC3@GC3 SAP HANA Tenant DB: HDB00, lcqgc3db.lama.cloud

GC3 ASCS Instance: 00, lcqgc3cs.lama.cloud

GC3 AS Instance: 00, lcqgc3as1.lama.cloud

Previous Step

Perform Operation

Cancel

When performing an operation it will notify you about the dependencies regarding the instances and DBs.

SAP Landscape Management Cloud – Operations

The screenshot displays the SAP Landscape Management Cloud (SAP LMC) Operations interface. The left sidebar contains navigation options: Home, Landscape Management, Operations (selected), Activities History, Automation Studio, Patterns, Analytics, Projected Costs, Historical Costs, Energy Consumption, Reservation Utilization, Configuration, Discovery Portal, Managed Systems, System Groups, Landscape Agents, API Management, Accounts, SAP Host Agent Credentials, Roles, Settings, Currency, Messaging, Notifications, and Event Routing. The main content area is divided into three panels. The left panel shows 'Operations' with filters for Usage Type, System Status, System Group, Optimization, Target Status, Last Operation Status, and Projected Cost. It lists six systems, including 'AWA: SAP NetWeaver for ABAP, lcqawacsp.lama.cloud'. The middle panel shows the 'Activities History' for the selected system, displaying a table of activities. The right panel shows the 'Start' subactivity details, including a progress bar and summary information. A text box with arrows pointing to the system entry and the activities table contains the following text:

After starting an operation you will see the process right next to the system. Additionally you will see all operation performed on the system in the details under “Activities History” tab.

Name	Duration	Status	Source Type/Name
Start		In Progress	Operation
Stop	00:03:05	Completed	Operation
Start	00:04:36	Completed	Operation
Stop	00:03:04	Completed	Operation

Subactivity ID:	68ab72cf-f939-4b2a-9485-aa35757c3826
Progress:	0%
Status:	In Progress
Latest Start Time:	2023-11-04 20:55:26
Latest End Time:	
Total Runtime Duration:	

SAP Landscape Management Cloud – Operations

The screenshot displays the SAP Landscape Management Cloud (SAP LMC) Operations interface. On the left, a sidebar contains navigation links: Home, Landscape Manage..., Operations (selected), Activities History, Automation Studio, Patterns, Analytics, Configuration, and Tenant Information. The main area is divided into two panels. The left panel, titled 'Operations', shows a list of systems with filters for Usage Type, System Status, System Group, and Optimization. The right panel, titled 'AWA: SAP NetWeaver for ABAP, lcqawacsp.lama.cloud', displays a 'Graph' tab showing the system's dependencies. A callout box points to the 'Graph' tab with the text: 'Under the details of a system you will find a “Graph” tab where you can see the dependencies and also the status of each.' The graph shows a hierarchy of components: Systems (AWA: SAP NetWeaver for ABAP, lcqawacsp.lama.cloud), Instances (AWA@AWA SAP HANA Tenant DB: HDB00, lcqawadbpl.lama.cloud; AWA ASCS Instance: 00, lcqawacsp.lama.cloud; SYSTEMDB@AWA SAP HANA System DB: HDB00, lcqawadbpl.lama.cloud; AWA AS Instance: 00, lcqawaas1p.lama.cloud), and Virtual Machines (lcqawacsp, lcqawadbpl, lcqawaas1p).

Operations | Projected Costs 3,4K EUR | Projected Savings 721 EUR

No filters active

Usage Type: System Status: System Group: Optimization:

Search [Q] All [v] [v] [v]

Target Status: Last Operation Status: Projected Cost: [v] [v] [v] Adapt Filters

Systems (6) Operations [v] [v] [v]

Status / Name	Operations
[x] AWD: SAP NetWeaver for ABAP, lcqawdcs.lama.cloud (A) ... >	
[x] AZG: NetWeaver ABAP, lcqazgcs.2tz3ld2uu5uficprecou112wd.ax.internal.cloudapp.net (A) ... >	
[x] AZH: NetWeaver ABAP, lcqazhcl.2tz3ld2uu5uficprecou112wd.ax.internal.cloudapp.net (A) ... >	
[x] GC3: SAP NetWeaver for ABAP, lcqgc3cs.lama.cloud (A) 31% ... >	
[x] AWA: SAP NetWeaver for ABAP, lcqawacsp.lama.cloud 34% ... >	
[x] AWC: SAP NetWeaver for ABAP, lcqawccs.lama.cloud ... >	

AWA: SAP NetWeaver for ABAP, lcqawacsp.lama.cloud Locked

System

General Information Activities History **Graph**

Top-Bottom [v] Search [Q] [v] [v] [v] 100% [v] [v] [v]

Systems [v] [v] [v]

AWA: SAP NetWeaver for ABAP, lcqawacsp.lama.cloud

Instances [v] [v] [v]

AWA@AWA SAP HANA Tenant DB: HDB00, lcqawadbpl.lama.cloud

AWA ASCS Instance: 00, lcqawacsp.lama.cloud

SYSTEMDB@AWA SAP HANA System DB: HDB00, lcqawadbpl.lama.cloud

AWA AS Instance: 00, lcqawaas1p.lama.cloud

Virtual Machines [v] [v] [v]

lcqawacsp lcqawadbpl lcqawaas1p

Under the details of a system you will find a “Graph” tab where you can see the dependencies and also the status of each.

SAP Landscape Management Cloud – Operations

The screenshot displays the SAP Landscape Management Cloud (SLM Cloud) Operations interface. The left sidebar contains navigation options: Home, Landscape Manage..., Operations (selected), Activities History, Automation Studio, Patterns, Analytics, Configuration, and Tenant Information. The main content area is divided into two panels. The left panel, titled 'Operations', shows a summary of projected costs (3,4K EUR) and savings (721 EUR). It includes filters for Usage Type, System Status, System Group, and Optimization. Below these filters is a table of systems (6) with columns for Status, Name, and Actions. The right panel, titled 'AWA: SAP NetWeaver for ABAP, lcqawacsp.lama.cloud', displays a system graph. The graph shows a hierarchy of components: Systems (AWA: SAP NetWeaver for ABAP, lcqawacsp.lama.cloud), Instances (AWA@AWA SAP HANA Tenant DB: HDB00, lcqawadbp.lama.cloud; AWA ASCS Instance: 00, lcqawacsp.lama.cloud; SYSTEMDB@AWA SAP HANA System DB: HDB00, lcqawadbp.lama.cloud; AWA AS Instance: 00, lcqawaas1p.lama.cloud), and Virtual Machines (lcqawacsp, lcqawadbp, lcqawaas1p). The graph is titled 'Top-Bottom' and includes a search bar and zoom controls.

Operations | Projected Costs 3,4K EUR | Projected Savings 721 EUR

No filters active

Usage Type: System Status: System Group: Optimization:

Search: All

Target Status: Last Operation Status: Projected Cost: Adapt Filters

Systems (6)

Status / Name	Actions
AWD: SAP NetWeaver for ABAP, lcqawdcs.lama.cloud	...
AZG: NetWeaver ABAP, lcqazgcs.2tz3ld2uu5uficprecou112wd.ax.internal.cloudapp.net	...
AZH: NetWeaver ABAP, lcqazhcl.2tz3ld2uu5uficprecou112wd.ax.internal.cloudapp.net	...
GC3: SAP NetWeaver for ABAP, lcqgc3cs.lama.cloud	...
AWA: SAP NetWeaver for ABAP, lcqawacsp.lama.cloud	...
AWC: SAP NetWeaver for ABAP, lcqawccs.lama.cloud	...

AWA: SAP NetWeaver for ABAP, lcqawacsp.lama.cloud

System

General Information | Activities History | **Graph**

Top-Bottom

Search

Systems

- AWA: SAP NetWeaver for ABAP, lcqawacsp.lama.cloud

Instances

- AWA@AWA SAP HANA Tenant DB: HDB00, lcqawadbp.lama.cloud
- AWA ASCS Instance: 00, lcqawacsp.lama.cloud
- SYSTEMDB@AWA SAP HANA System DB: HDB00, lcqawadbp.lama.cloud
- AWA AS Instance: 00, lcqawaas1p.lama.cloud

Virtual Machines

- lcqawacsp
- lcqawadbp
- lcqawaas1p

SAP Landscape Management Cloud – Activities History

Activities History
No filters active

Status: Name: ID: Latest Start Time: Entity Name: Source Type: System Group: [Adapt Filters](#)

Activities Page 1 (1 - 46)

Status / Name	Progress	Latest Start Time	Latest Duration	Entity Name	Source Type/Name
✓ Start	100%	2023-11-04 20:55:26	00:05:58	View Multiple Entities	Operation
✓ Start	100%	2023-11-04 20:55:26	00:05:08	GC3: SAP NetWeaver for ABAP, lcqgc3cs.lama.cloud	Operation
✓ Start	100%	2023-11-04 20:55:26	00:05:58	AWA: SAP NetWeaver for ABAP, lcqawacsp.lama.cloud	Operation
> ✓ Stop	100%	2023-11-03 17:06:40	00:03:27	View Multiple Entities	Operation
✓ Start	100%	2023-11-02 19:16:29	00:04:36	AWA: SAP NetWeaver for ABAP, lcqawacsp.lama.cloud	Operation
> ✓ Discovery	100%	2023-11-02 19:12:51	00:03:00		Manual Discovery
✓ Start	100%	2023-10-30 10:48:05	00:00:21	AWD: SAP NetWeaver for ABAP, lcqawdcs.lama.cloud	Operation
✗ Start	64%	2023-10-30 10:26:16	00:08:50	AWD: SAP NetWeaver for ABAP, lcqawdcs.lama.cloud	Operation
✓ Stop Gracefully	100%	2023-10-28 18:00:18	00:03:03	AWD: SAP NetWeaver for ABAP, lcqawdcs.lama.cloud	Operation
✗ Start	64%	2023-10-28 07:00:43	00:08:20	AWD: SAP NetWeaver for ABAP, lcqawdcs.lama.cloud	Operation
✓ Stop	100%	2023-10-26 11:57:59	00:03:26	GC3: SAP NetWeaver for ABAP, lcqgc3cs.lama.cloud	Operation
✓ Stop Gracefully	100%	2023-10-25 14:00:42	00:09:12	AZH: NetWeaver ABAP, lcqazhcl.2tz3lld2uu5uficprecou112wd.ax.internal.cloudapp.net	Operation
✓ Stop Gracefully	100%	2023-10-24 14:00:41	00:09:12	AZH: NetWeaver ABAP, lcqazhcl.2tz3lld2uu5uficprecou112wd.ax.internal.cloudapp.net	Demo Marco
✓ Stop Gracefully	100%	2023-10-23 14:00:03	00:09:12	AZH: NetWeaver ABAP, lcqazhcl.2tz3lld2uu5uficprecou112wd.ax.internal.cloudapp.net	Pattern Demo Marco
✓ Stop	100%	2023-10-20 13:49:13	00:05:05	AZH: NetWeaver ABAP, lcqazhcl.2tz3lld2uu5uficprecou112wd.ax.internal.cloudapp.net	Operation
✓ Stop	100%	2023-10-20 13:47:04	00:02:05	AZG: NetWeaver ABAP, lcqazgcs.2tz3lld2uu5uficprecou112wd.ax.internal.cloudapp.net	Operation
✓ Stop Gracefully	100%	2023-10-20 08:48:34	00:04:27	AWC: SAP NetWeaver for ABAP, lcqawccs.lama.cloud	Operation
✓ Start	100%	2023-10-20 08:39:27	00:04:06	AWC: SAP NetWeaver for ABAP, lcqawccs.lama.cloud	Operation
✓	100%				Landscape Configuration

In the “Activities History” view you see all running, completed or failed operations.

SAP Landscape Management Cloud – Activities History

Activities History
No filters active

Status: Name: ID: Latest Start Time: Entity Name:

Source Type: System Group: [Adapt Filters](#)

Activities Page 1 (1 - 46)

Status / Name	
✓ Start	...
✓ Start	...
✓ Start	...
> ✓ Stop	...
✓ Start	...
> ✓ Discovery	...
✓ Start	...
✗ Start	...
✓ Stop Gracefully	...
✗ Start	...
✓ Stop	...
✓ Stop Gracefully	...
✓ Stop Gracefully	...
✓ Stop Gracefully	...
✓ Stop	...
✓ Stop	...
✓ Stop Gracefully	...
✓ Start	...
> ✓ Discovery	...
✗ Stop Gracefully	...
✗ Start	...
✗ Stop	...
✓ Stop Gracefully	...
> ✓ Stop Gracefully	...
✓ Start	...
✓ Start	...
✓ Start	...

Start
Subactivity

[General Information](#) [Steps](#) [Graph](#)

Summary

Activity ID: 68ab72cf-f939-4b2a-9485-aa35757c3826
Progress: 100%
Status: ✓ Completed
Latest Start Time: 2023-11-04 20:55:26
Latest End Time: 2023-11-04 21:01:24
Total Runtime Duration: 00:05:58
Source Type: Operation

Entities (1)

Name	Type
AWA: SAP NetWeaver for ABAP, lcqawacsp.lama.cloud	System

Actions (1)

Name	Start Time	End Time	Duration
Initial Activity Run	2023-11-04 20:55:26	2023-11-04 21:01:24	00:05:58

By performing mass operation you find for each system a separate activity where you see details about the performed operation on this system.

SAP Landscape Management Cloud – Activities History

The screenshot displays the SAP Landscape Management Cloud interface. On the left is a navigation sidebar with categories like Home, Landscape Management, Operations, Automation Studio, Analytics, Configuration, Settings, Messaging, and Tenant Information. The main area is divided into two panels. The left panel, titled 'Activities History', shows a list of activities with columns for Status, Name, ID, Latest Start Time, and Entity Name. It includes filters for Source Type and System Group, and a table of activities with status icons (green checkmarks for success, red X for failure). The right panel, titled 'Start', shows a detailed process graph for a subactivity. The graph is a flowchart with steps represented by green boxes. Steps include 'Start Virtual Machine', 'Wait For SAP Host Agent', 'Start Instance', 'Start Database', and 'Start Tenant'. Each step box contains a checkmark, step number, and entity name. Arrows indicate the sequence of steps. A text box with a black border and white background is overlaid on the graph, containing the text: 'You are able to see all the performed steps of one operation on that system in a graph.' An arrow points from this text box to the 'Graph' tab in the 'Start' panel. The 'Graph' tab is selected, and the graph is displayed in a 'Top-Bottom' view. The graph shows a sequence of steps: 'Start Virtual Machine' (Step 12, Entity lcqawacsp) leads to 'Wait For SAP Host Agent' (Step 15, Entity lcqawacsp), which leads to 'Start Instance' (Step 17, Entity AWA ASCS Instance: 00, lcqawacsp.lama.cloud). Another path shows 'Start Virtual Machine' (Step 13, Entity lcqawadbp) leading to 'Wait For SAP Host Agent' (Step 16, Entity lcqawadbp), which leads to 'Start Database' (Step 18, Entity SYSTEMDB@AWA SAP HANA System DB: HDB00, lcqawadbp.lama.cloud). This leads to 'Start Tenant' (Step 19, Entity AWA@AWA SAP HANA Tenant DB: HDB00, lcqawadbp.lama.cloud). Both 'Start Instance' and 'Start Tenant' lead to a final 'Start Instance' (Step 20, Entity AWA AS Instance: 00, lcqawaas1p.lama.cloud). The graph is displayed in a 'Top-Bottom' view, and a search bar is visible at the top right of the graph area.

Activities History

No filters active

Status: Name: ID: Latest Start Time: Entity Name:

Source Type: System Group: [Adapt Filters](#)

Activities Page 1 (1 - 46) [Initiated By: User System](#)

Status / Name	
Start	...
Start	...
Start	...
Stop	...
Start	...
Discovery	...
Start	...
Start	...
Stop Gracefully	...
Start	...
Stop	...
Stop Gracefully	...
Stop Gracefully	...
Stop Gracefully	...
Stop	...
Stop	...
Stop Gracefully	...
Start	...
Discovery	...
Stop Gracefully	...
Start	...
Stop	...
Stop Gracefully	...
Start	...
Start	...
Start	...

Start

Subactivity

General Information Steps **Graph**

Top-Bottom ☐ Overview [Search](#) [100%](#)

Start Virtual Machine (Step Number 12, Entity lcqawacsp)

Wait For SAP Host Agent (Step Number 15, Entity lcqawacsp)

Start Instance (Step Number 17, Entity AWA ASCS Instance: 00, lcqawacsp.lama.cloud)

Start Virtual Machine (Step Number 11, Entity lcqawaas1p)

Wait For SAP Host Agent (Step Number 14, Entity lcqawaas1p)

Start Instance (Step Number 20, Entity AWA AS Instance: 00, lcqawaas1p.lama.cloud)

Start Database (Step Number 18, Entity SYSTEMDB@AWA SAP HANA System DB: HDB00, lcqawadbp.lama.cloud)

Start Tenant (Step Number 19, Entity AWA@AWA SAP HANA Tenant DB: HDB00, lcqawadbp.lama.cloud)

You are able to see all the performed steps of one operation on that system in a graph.

SAP Landscape Management Cloud – Projected Costs

The screenshot displays the SAP Landscape Management Cloud interface. The top navigation bar includes the SAP logo, the title 'SAP Landscape Management Cloud STANDARD', and a 'Refresh' button. The left sidebar contains a navigation menu with categories: Home, Landscape Management (Operations, Activities History), Automation Studio (Patterns), Analytics (Projected Costs, Historical Costs, Energy Consumption, Reservation Utilization), Configuration (Discovery Portal, Managed Systems, System Groups, Landscape Agents, API Management, Accounts, SAP Host Agent Credentials, Roles), Settings (Currency), Messaging (Notifications, Event Routing), and Tenant Information.

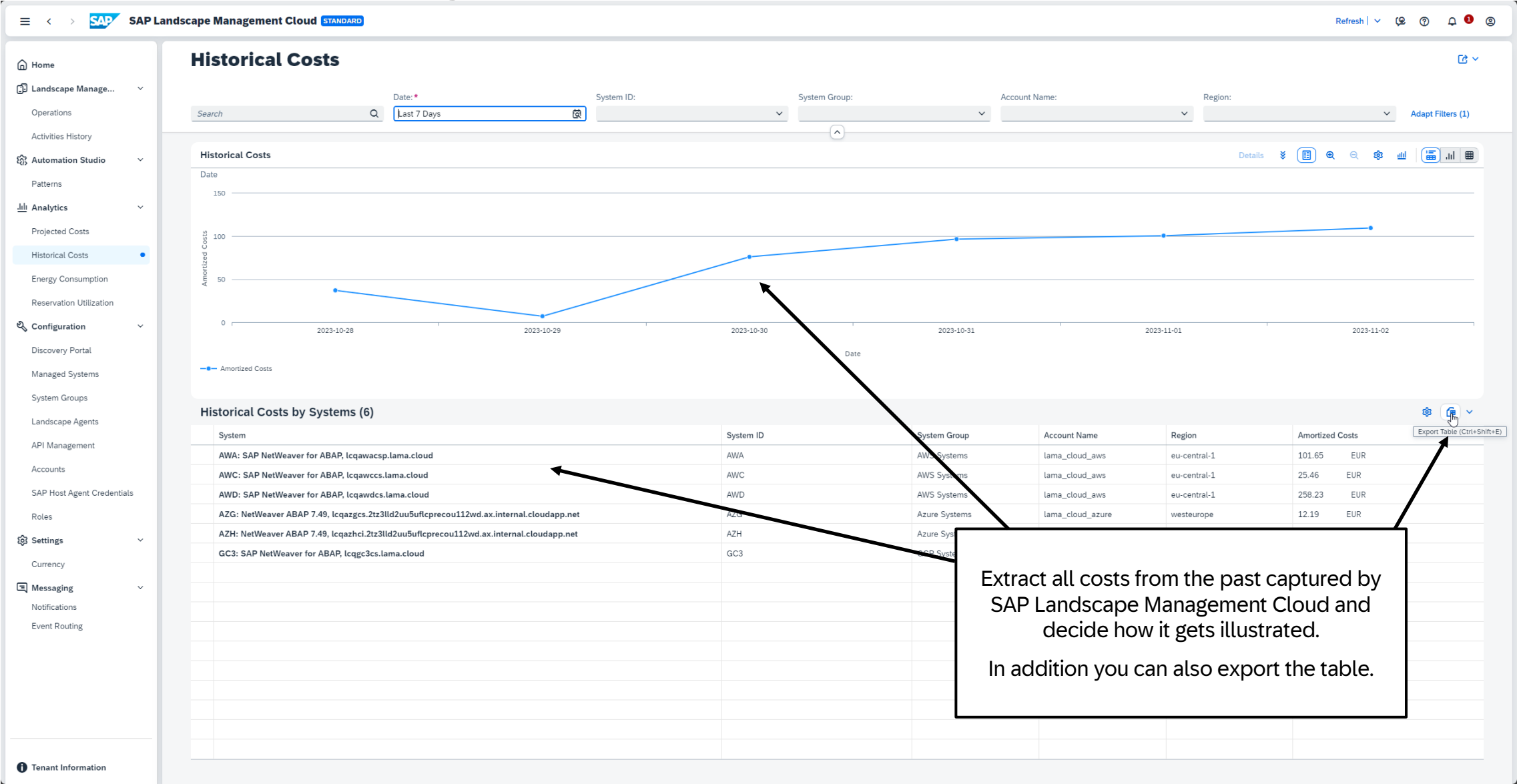
The main content area is titled 'Projected Costs' and shows a summary: 'Projected Costs 3,4K EUR' and 'Projected Savings 721 EUR'. Below this, there are filters for System Group, Usage Type, Cloud Provider, Number of Systems, and Projected Cost. The 'System Groups (3)' section displays three cards:

- AWS Systems** (1 of 3 Systems): 1,4K EUR Projected Monthly Cost
- Azure Systems** (2 of 2 Systems): 1,5K EUR Projected Monthly Cost
- GCP Systems** (1 of 1 Systems): 417 EUR Projected Monthly Cost

An arrow points from a text box to the Azure Systems card.

See the monthly cost of each system group.

SAP Landscape Management Cloud – Historical Costs



SAP Landscape Management Cloud – Event Routing

The screenshot shows the SAP Landscape Management Cloud interface. The left sidebar contains the navigation menu with the following items: Home, Landscape Manage..., Operations, Activities History, Automation Studio, Patterns, Analytics, Configuration, Settings, Messaging, and Tenant Information. The 'Event Routing' option is selected in the 'Messaging' section. The main content area is titled 'Event Routing' and displays a table of 'All Event Routing Configurations (2)'. The table has columns for Name, Event Broker Type, and Event Routing Status. Two configurations are listed: 'ANS Notifications test channel in CNS Event Demo team' and 'demo-exe.lama Event Mesh', both with a status of 'Activated'. A 'Create' button is visible in the top right corner of the table. A callout box points to this button with the text: 'You can create event routing configurations to get notified about business events or to automate.'

Name	Event Broker Type	Event Routing Status
ANS Notifications test channel in CNS Event Demo team	SAP Alert Notification Service	Activated
demo-exe.lama Event Mesh	SAP Event Mesh	Activated

SAP Landscape Management Cloud – Event Routing

Event Routing

All Event Routing Configurations (3) Create Delete ↑↓

<input type="checkbox"/>	Name	Event Broker Type	Event Routing Status	
<input type="checkbox"/>	New Event Routing Configuration	–	–	*** >
<input type="checkbox"/>	ANS Notifications test channel in CNS Event Demo team	SAP Alert Notification Service	✓ Activated	*** >
<input type="checkbox"/>	demo-exe.lama Event Mesh	SAP Event Mesh	✓ Activated	*** >

New Event Routing Configuration
Event Routing Configuration

Event Broker

Event Broker Name: * New Event Routing Configuration

Event Broker Type: * SAP Event Mesh

Authentication Type: Client Credentials Certificate-Based

Credentials File: Import

Client ID: *

Client Secret: *

API URL: *

OAuth Token URL: *

Activate Event Broker: ☐

Description:

250 characters remaining

There are currently two options of supported “Event Broker Types” you can choose of.

You can either use SAP Event Mesh or SAP Alert Notification Service.

You will also need to choose if you are using as authentication type client credentials or certificate-based.

Create Cancel

SAP Landscape Management Cloud – Event Routing

Home

Landscape Manage...

Operations

Activities History

Automation Studio

Patterns

Analytics

Configuration

Settings

Messaging

Tenant Information

Event Routing

All Event Routing Configurations (3)

CreateDelete↕

<input type="checkbox"/>	Name	Event Broker Type	Event Routing Status	
<input type="checkbox"/>	New Event Routing Configuration	–	–	***>
<input type="checkbox"/>	ANS Notifications test channel in CNS Event Demo team	SAP Alert Notification Service	Activated	***>
<input type="checkbox"/>	demo-exe.lama Event Mesh	SAP Event Mesh	Activated	***>

Demo

Event Routing Configuration

Event Broker

Event Broker Name:*

Demo

Event Broker Type:*

SAP Alert Notification Service

Authentication Type:

Client CredentialsCertificate-Based

Import

Credentials File:

Client ID:*

Certificate:*

Key:*

API URL:*

OAuth Token URL:*

Activate Event Broker:

☐

Description:

250 characters remaining

CreateCancel

SAP Landscape Management Cloud – Event Routing

Event Routing

All Event Routing Configurations (3) Create Delete ↕

<input type="checkbox"/>	Name	Event Broker Type	Event Routing Status	
<input type="checkbox"/>	New Event Routing Configuration	–	–	*** >
<input type="checkbox"/>	ANS Notifications test channel in CNS Event Demo team	SAP Alert Notification Service	✔ Activated	*** >
<input type="checkbox"/>	demo-exe.lama Event Mesh	SAP Event Mesh	✔ Activated	*** >

Demo
Event Routing Configuration

Event Broker

Event Broker Name: Demo

Event Broker Type: SAP Alert Notification Service

Authentication Type: Client Credentials Certificate-Based

Credentials File: clientCredentialsAnsGTP.txt Import

Client ID: sb-c95c[redacted]ans-xsuaal3796

Client Secret: [redacted]

API URL: https://clm-sl-an[redacted]ondemand.com

OAuth Token URL: https://lama-clo[redacted]com/oauth/token?grant_type=client_credentials

Activate Event Broker: ☐

Description: [redacted]

250 characters remaining

For the required input fields you need to go to BTP and extract the credentials of the service binding.

To help you with the copy past the credentials you can also simply import the downloaded BTP credentials file of the service binding.

Create Cancel

SAP Landscape Management Cloud – Event Routing

Event Routing

All Event Routing Configurations (3) [Create](#) [Delete](#) [↑↓](#)

<input type="checkbox"/>	Name	Event Broker Type	Event Routing Status	
<input type="checkbox"/>	ANS Notifications test channel in CNS Event Demo team	SAP Alert Notification Service	Activated	...
<input type="checkbox"/>	Demo	SAP Alert Notification Service	Deactivated	...
<input type="checkbox"/>	demo-exe.lama Event Mesh	SAP Event Mesh	Activated	...

Demo
Event Routing Configuration [Delete](#) [↗](#) [✕](#)

Event Broker

Event Broker Name: Demo
Event Broker Type: SAP Alert Notification Service
Authentication Type: Client Credentials
Client ID: sb-c950[REDACTED]3796
API URL: https://cl[REDACTED].com
Event Routing Status: Deactivated

After creation you see the details and also the event routing status.

SAP Landscape Management Cloud – Event Routing

The screenshot displays the SAP Landscape Management Cloud interface, specifically the Event Routing configuration page. The left sidebar contains navigation options: Home, Landscape Manage..., Operations, Activities History, Automation Studio, Patterns, Analytics, Configuration, Settings, Messaging, and Tenant Information. The main content area is titled 'Event Routing' and shows 'All Event Routing Configurations (3)'. The table lists three configurations: 'ANS Notifications test channel in CNS Event Demo team' (Activated), 'Demo' (Deactivated), and 'demo-exe.lama Event Mesh' (Activated). A callout box points to the 'Activate' button in the action menu for the 'demo-exe.lama Event Mesh' configuration.

Name	Event Broker Type	Event Routing Status
ANS Notifications test channel in CNS Event Demo team	SAP Alert Notification Service	Activated
Demo	SAP Alert Notification Service	Deactivated
demo-exe.lama Event Mesh	SAP Event Mesh	Activated

SAP Landscape Management will only send business events to a event broker when it is set to activated.

If you want to make changes on your automatization without receiving new events you can deactivate and afterwards activate the event routing again.

SAP Alert Notification Service – Possible Actions

The screenshot displays the SAP BTP Cockpit interface with the 'Create Action' dialog open. The dialog is titled 'Create Action' and has three tabs: 'Select Action Type', 'Create Action', and 'Summary'. The 'Select Action Type' tab is active, showing a list of available action types under the heading 'Available Types of Actions'. The list includes:

- Email: Sends an email message to a specified email address
- Email with custom SMTP server: Allows configuring own SMTP server setup, which will be used for sending email messages
- Microsoft Teams: Sends a message to a specified Microsoft Teams channel
- PagerDuty: Sends an event to PagerDuty Events API V2 Integration endpoint
- SAP Automation Pilot: Sends the received event to SAP Automation Pilot
- SAP Workflow service: Starts a new instance of a workflow
- ServiceNow Case: Creates, updates or resolves ServiceNow Case
- Slack: Sends a message to a specified Slack channel
- Slack threaded: Sends a message to a specified Slack channel, and creates a thread if the same message occurs again
- Store: Temporary stores the received event in the Alert Notification storage
- VictorOps: Sends an event to a specified VictorOps integration REST endpoint
- Webhook: Executes a POST request to a specified URL address
- Webhook with Authorization Token: Executes a POST request to a specified URL address while using a token as authentication method
- Webhook with Basic Authentication: Executes a POST request to a specified URL address while using a basic authentication method
- Webhook with OAuth 2.0 Authentication: Executes a POST request to a specified URL address while using OAuth 2.0 authentication

A callout box with a black border and white background contains the text: 'The SAP Alert Notification Service supports many possible actions like email, MS Teams, Webhooks, etc.' Two arrows point from this box to the 'Email' and 'Slack' action types in the list.

The background shows the SAP BTP Cockpit interface with the 'Service Instance: cns-ans' selected. The left sidebar contains navigation links: Referencing Apps, Service Keys, Subscriptions, Actions (selected), Conditions, and Export or Import. The bottom of the sidebar has 'Help and Support', 'Useful Links', and 'Legal Information'.

SAP Alert Notification Service – Create Condition

The screenshot displays the SAP BTP Cockpit interface. On the left, a sidebar contains navigation links: Referencing Apps, Service Keys, Subscriptions, Actions, Conditions (highlighted), Export or Import, Help and Support, Useful Links, and Legal Information. The main area shows the 'Service Instance: cns-ans' with a 'Create' button. A modal window titled 'Create Condition' is open, featuring a progress bar with '1 Create Condition' and '2 Summary'. The '1. Create Condition' section includes the following fields:

- Name:** A text input field containing 'StopService'.
- Description:** A text input field with the placeholder 'Enter description...'. A character count '250 characters remaining' is visible.
- Labels:** A dropdown menu showing 'Select labels...'.
- Condition:** A composite field with a dropdown set to 'eventType', a second dropdown set to 'Contains', and a text input field containing 'STOPSERVICE'.
- Mandatory:** An unchecked checkbox.

At the bottom right of the modal are 'Cancel' and 'Create' buttons. A callout box with a black border and white background points to the 'Name' field with the text: 'You can specify conditions at the SAP Alert Notification Service. e.g. creating a condition for checking of “Stop Service” events'.

SAP Alert Notification Service – Create Subscription

Overview

Subscription: DemoSubscription

Enabled Enabled by the user

Edit

Send Test Event

Snooze

Subscription Details

Description: No description

Time Created: 4 Nov 2023, 21:00

Last Modified: 6 Nov 2023, 15:00

Labels

No labels are assigned

Matching Conditions

eventType

Contains STOPSERVICE

Assigned Actions

State

Disabled

Help and Support

Useful Links

Legal Information

Landscape Management Cloud Dev

LaMa Cloud Dev

dev3

Alert Notification

cns-ans

DemoSapInsider

Join our user survey!

DS

Edit Subscription

Edit Subscription

Select Conditions

Select Actions

Summary

2. Select Conditions

+ Create Condition

Available Conditions

Search

Not labeled

☐cns_demo_event*with resource.resourceName that Contains King

☐anyBodyConditionwith body that Has Any Value

☒Discoverywith eventType that Contains DISCOVERY

☐eventwith subject that Contains activityId

☐NoDeploymentEventswith eventType that Does Not Contain DEPLOYMENT

☐RouvenConditionwith resource.resourceInstance that Contains ADT

☒StartServicewith eventType that Contains STARTSERVICE

☒StopServicewith eventType that Contains STOPSERVICE

Selected Conditions

eventType

Contains STOPSERVICE x or Contains STARTSERVICE x or Contains DISCOVERY x

Cancel

Save and Next

Select all conditions you want to be used for the subscription.

SAP Alert Notification Service – Create Subscription

Overview

Subscription: DemoSubscriber

Enabled Enabled by the user

Edit

Send Test Event

Snooze

Subscription Details

Description: No description

Time Created: 4 Nov 2023, 2

Last Modified: 6 Nov 2023, 15

Labels

No labels are assigned

Matching Conditions

eventType

Contains STOPSE

Assigned Actions

State

Disabled

Edit Subscription

Edit Subscription

Select Conditions

Select Actions

Summary

3. Select Actions

+ Create Action

Available Actions

Not labeled

☐ kings_mail

of type Email that is Enabled

☒ sendTo_Daniela

of type Email that is Disabled

☐ sentTo_GTPTeams

of type Microsoft Teams that is Enabled

☐ teams_channel_action

of type Microsoft Teams that is Enabled

Cancel

Save

Select one or more actions you want to use.

SAP Alert Notification Service – Create Subscription

Overview

Subscription: DemoSapInsider

Enabled

Enabled by the user

Edit

Send Test Event

Snooze

Subscription Details

Description: No description

Time Created: 4 Nov 2023, 21:11

Last Modified: 7 Nov 2023, 15:11

Labels

No labels are assigned

Matching Conditions

eventType

Contains STOPSE

Assigned Actions

State

Disabled

Help and Support

Useful Links

Legal Information

Landscapes: Landscape Management Cloud Dev, LaMa Cloud Dev, dev3

Alert Notification

cns-ans

DemoSapInsider

Join our user survey!

DS

Subscription was edited

Summary

You have edited a subscription with the name **DemoSapInsider**. Its state after editing is **Enabled**.

Your subscription will match events under the following conditions:

eventType

Contains DISCOVERY or Contains STARTSERVICE or Contains STOPSERVICE

Your subscription will execute the following actions on a matched event:

Not labeled

sendTo_Daniela

of type Email that is Disabled

OK

Here is an example how to get notified by email for events concerning discovery, start and stop service events.

SAP Landscape Management Cloud – Operation

Operations | Projected Costs 3,4K EUR | Projected Savings 721 EUR

No filters active

Search Usage Type: System Status: System Group: Optimization: Target Status: Last Operation Status: Projected Cost: [Adapt Filters](#)

Systems (6)

<input type="checkbox"/>	Status / Name	System Group	Optimization	Target Status	Next Scheduled Operation	Schedule Date/Time	Last Operation Status	Projected Cost	
<input type="checkbox"/>	> AWD: SAP NetWeaver for ABAP, lcqawdcs.lama.cloud	A AWS Systems	Demo Andrea				Completed	129.41 EUR	...
<input type="checkbox"/>	> AZG: NetWeaver ABAP, lcqazgcs.2tz3lld2uu5uflcprou112wd.ax.internoudapp.net	Azure Systems					Completed	826.48 EUR	...
<input type="checkbox"/>	> AZH: NetWeaver ABAP, lcqazhci.2tz3lld2uu5uflcprou112wd.ax.internoudapp.net	Azure Systems					Completed	720.76 EUR	...
<input type="checkbox"/>	> GC3: SAP NetWeaver for ABAP, lcqgc3cs.lama.cloud	A GCP Systems					Completed	417.23 EUR	...
<input type="checkbox"/>	> AWA: SAP NetWeaver for ABAP, lcqawacsp.lama.cloud	AWS Systems					Completed		...
<input type="checkbox"/>	> AWC: SAP NetWeaver for ABAP, lcqawccs.lama.cloud	AWS Systems					Completed	633.55 EUR	...

To test our SAP Alert Notification example setup we can perform a start operation on a system.

Event Routing – Teams Messages

The image displays two side-by-side screenshots of Microsoft Teams chat windows, illustrating event routing configurations.

Left Window: Events - ANS Notifications test

[INFO] [NOTIFICATION] CloudEvent received

Landscape Details

- region: cf-us20
- region type: sap-cp

Resource Details

- global account: 266d9b7c-dfa2-41b0-af60-135242be9f43
- subaccount: 7ac641e3-14a7-4c88-a54f-379594adbc5c
- resource group: 857d008d-df95-41a0-b806-d1f7637bed7c
- resource type: cloud-resource
- resource name: /default/sap.lmc/9f3dbb85-9271-44f5-834a-2f2ebe2c7ca7
- resource instance: ca7ff43a-a7a6-4623-8d1b-5612a411e56f

Resource Tags

- resourceLandscape: cf-us20

Event Details

- event type: sap.lmc.Activity.STARTSERVICE.v1
- event subject: CloudEvent received
- event timestamp: 1699129617 [2023-11-04T20:26:57Z]
- category: NOTIFICATION
- severity: INFO

Event Tags

- id: 2608cc6a-539e-4c4e-852b-6c0e67dc3984
- specversion: 1.0

Event Body

```
{ "activityId": "ca7ff43a-a7a6-4623-8d1b-5612a411e56f", "activityType": "sap.lmc.Activity.STARTSERVICE.v1", "status": "SUCCESSFUL" }
```

This is an automated message sent by the SAP Alert Notification service for SAP BTP using

Right Window: Events - Event Mesh test

eventmeshhook 21:19

LaMa Cloud JSON Payload:

```
{ "activityId": "14b53b0c-72f6-4352-b355-888feb10fa7", "activityType": "sap.lmc.Activity.STOPSERVICE.v1", "status": "SUCCESSFUL" }
```

eventmeshhook 21:19

LaMa Cloud JSON Payload:

```
{ "activityId": "516786dc-d3f0-4a4d-b135-4142992e4702", "activityType": "sap.lmc.Activity.STOPSERVICE.v1", "status": "SUCCESSFUL" }
```

eventmeshhook 21:19

LaMa Cloud JSON Payload:

```
{ "activityId": "ca7ff43a-a7a6-4623-8d1b-5612a411e56f", "activityType": "sap.lmc.Activity.STARTSERVICE.v1", "status": "EXECUTING" }
```

eventmeshhook 21:27

LaMa Cloud JSON Payload:

```
{ "activityId": "ca7ff43a-a7a6-4623-8d1b-5612a411e56f", "activityType": "sap.lmc.Activity.STARTSERVICE.v1", "status": "SUCCESSFUL" }
```

This is how it looks like if you configure the webhook in Microsoft Teams.

On the left you see the SAP Alert Notification Service result and on the right you see an example with SAP Event Mesh.

SAP Landscape Management Cloud – Activity History

The screenshot displays the SAP Landscape Management Cloud interface. The left sidebar contains navigation options: Home, Landscape Management, Operations, Activities History (selected), Automation Studio, Patterns, Analytics, Configuration, and Settings. The main content area is divided into two panels. The left panel, titled 'Activities History', shows a filter for 'ID' with a dropdown menu. Below the filter, a table lists activities, with the first row showing a 'Start' activity. The right panel, titled 'Start', provides details for the selected activity, including its ID, progress (100%), status (Completed), latest start and end times, total runtime duration, and source type (Operation). Below this, there are sections for 'Entities (1)' and 'Actions (1)'. A callout box with an arrow points to the 'ID' filter dropdown in the 'Activities History' panel.

Activities History
1 filter active: ID

Status: Name: ID: Latest Start Time: Entity Name:
Source Type: System Group: Adapt Filters

Activities Page 1 (1 - 1) Inited By: User System

Status / Name
Start

Page 1 (1 - 1)

Start
Activity

General Information Steps Graph

Summary

Activity ID: ca7ff43a-a7a6-4623-8d1b-5612a411e56f
Progress: 100%
Status: Completed
Latest Start Time: 2023-11-04 21:19:47
Latest End Time: 2023-11-04 21:26:57
Total Runtime Duration: 00:07:10
Source Type: Operation

Entities (1)

Name	Type
AZH: NetWeaver ABAP, lcqazhcl.2tz3lld2uu5uficprecou112wd.ax.internal.cloudapp.net	System

Actions (1)

Name	Start Time	End Time	Duration
Initial Activity Run	2023-11-04 21:19:47	2023-11-04 21:26:57	00:07:10

You can use the given “activityId” from the event payload to filter and find more details about the received event activity.

SAP Alert Notification Service – Email Example for Received Event

[CNS Test] CloudEvent received - sap.lmc.Activity.STOPSERVICE.v1



SAP Alert Notification service for SAP BTP <noreply+sap_cp_cf_eu10_canary_ans@sap.com>
To Schmidt, Daniela

Reply Reply All Forward

Mon 23/10/2023 15:35

Hello,
Here is the Cloud event of sap.lmc.Activity.STOPSERVICE.v1. Go to SAP Landscape Management Cloud and open the "Activities History". You will find more information about the event with using the activityId={body.activityId}.

```
type:sap.lmc.Activity.STOPSERVICE.v1,  
timestamp: 1698068104,  
severity: INFO,  
category: NOTIFICATION,  
subject: CloudEvent received,  
body: {"activityId":"aa252b4e-9[REDACTED]b9","activityType":"sap.lmc.Activity.STOPSERVICE.v1","status":"SUCCESSFUL"},  
priority: ,  
region: cf-eu10-canary,  
region_type: sap-cp,  
tags: id = d881d09c-51[REDACTED]8  
specversion = 1.0,  
resource_globalAccount: 6d261c[REDACTED]86970,  
resource_subAccount: a5b38da5[REDACTED]4c3,  
resource_resourceGroup: e2a4cc[REDACTED]07b0e,  
resource_resourceName: /default/sap.lmc[REDACTED]-025abbfdfaa7,  
resource_resourceType: cloud-resource,  
resource_resourceInstance: aa252b4[REDACTED]11b9
```

Best regards,
SAP Landscape Management Cloud

P.S. This is an automated email sent by the SAP Alert Notification service for SAP BTP using the SAP infrastructure. You receive this on behalf of a service user, who has configured this email address as an alert recipient.

SAP Landscape Management Cloud – Public API

SAP Landscape Management Cloud – Public API

The screenshot displays the SAP Landscape Management Cloud interface. The left sidebar shows the navigation menu with categories: Home, Landscape Management, Automation Studio, Analytics, Configuration, and Settings. The 'API Management' option is highlighted under Configuration. The main content area is titled 'API Management' and shows a table of 'API Keys (9/100)'. The table has columns for 'API Key Name' and a checkbox. The keys listed are: build-pa, d045010, marco5, Naeem-API, public-api-test, TechEd-AC1, teched-api-key, Test_Lucas, and Test_Sebastian. A 'Create' button is visible in the top right corner of the table. A text box with the following text is overlaid on the image:

For more automatization options you can use the Public API of SAP Landscape Management Cloud.

To do so you need to create API Keys to communicate with SAP Landscape Management Cloud.

SAP Landscape Management Cloud – Public API

The screenshot displays the SAP Landscape Management Cloud interface. On the left is a navigation sidebar with categories like Home, Landscape Management, Automation Studio, Analytics, Configuration, and Settings. The main area is split into two panels. The left panel, titled 'API Management', shows a list of 'API Keys (9/100)' with columns for selection, name, and actions. The right panel, titled 'SAPinsider API Key', shows the configuration for an API key named 'SAPinsider'. It includes fields for 'API Key Name', 'API Scopes' (with 'Operations' and 'Configuration' selected), and a toggle for 'Use X.509 Certificate'. A callout box with an arrow points to the 'Configuration' scope checkbox.

API Management
No filters active

Search Adapt Filters

API Keys (9/100) Create Delete

<input type="checkbox"/>	API Key Name	
<input type="checkbox"/>	New API Key	>
<input type="checkbox"/>	build-pa	>
<input type="checkbox"/>	d045010	>
<input type="checkbox"/>	marco5	>
<input type="checkbox"/>	Naeem-API	>
<input type="checkbox"/>	public-api-test	>
<input type="checkbox"/>	TechEd-AC1	>
<input type="checkbox"/>	teched-api-key	>
<input type="checkbox"/>	Test_Lucas	>
<input type="checkbox"/>	Test_Sebastian	>

SAPinsider
API Key

API Key Credentials

API Key Name:

API Scopes: ☒ Operations ☒ Configuration

Use X.509 Certificate: ☒

When creating new API Key Credentials you have to name it and define the API Scopes. With the “Operations” scope you allow to perform operations over the API.

Create Cancel

SAP Landscape Management Cloud – Public API

[illegible]

Business Accelerator Hub – SAP Landscape Management Cloud REST API

SAP Business Accelerator Hub Explore Resources Discover Integrations Partner with Us

/ SAP Landscape Management Cloud

SAP Landscape Management Cloud

Manage and monitor your managed system landscape.

Show API Key

Overview API Reference Schema View SAP Cloud SDK Try Out

Introduction

The SAP Landscape Management Cloud REST API provides a set of methods to integrate with SAP Landscape Management Cloud. For example, you can use these methods to retrieve information about the current system status, perform activities such as starting and stopping systems, and display messages about important activities.

[View the API Reference](#) [Check Schema View](#) [Try Out](#)

Documentation

[SAP Landscape Management Cloud Documentation on SAP Help Portal](#)

API Resources

[API Specification](#) [Authentication Methods](#) [Configuration Details](#)

Name	Value
JSON	↓
YAML	↓

You can find the SAP Cloud SDK for jump starting your automatization and also Schema and Examples of API calls you can currently perform.

You find all information about the SAP Landscape Management Cloud Public API here:
[Overview](#) | [SAP Landscape Management Cloud](#) | [SAP Business Accelerator Hub](#)

Chat (Beta)

Business Accelerator Hub – Supported API Calls

Operations

Configuration

POST

/activities

Create an activity to perform an operation.

GET

/activities

Retrieve all activities.

GET

/activities/{activityId}

Retrieve an activity by its ID.

GET

/activities/{activityId}/steps

Retrieve all activity steps of a specific activity.

GET

/activities/{activityId}/steps/{stepId}

Retrieve a step that is contained in an activity.

GET

/activities/{activityId}/steps/{stepId}/messages

Retrieve all activity messages of an activity step.

Try Out

FEEDBACK

Chat (Beta)

Configuration

Operations

GET

/systems

Retrieve all managed SAP systems.

GET

/systems/{systemId}

Retrieve a managed SAP system by its ID.

GET

/systems/{systemId}/instances

Retrieve all instances of a managed SAP system.

GET

/instances

Retrieve all instances of managed SAP systems.

GET

/instances/{instanceId}

Retrieve an instance of a managed SAP system by its ID.

GET

/virtualMachines

Retrieve all virtual machines.

GET

/virtualMachines/{virtualMachineId}

Retrieve a virtual machine by its ID.

PUT

/settings/currency

Update the currency.

Try Out

FEEDBACK

Chat (Beta)

You can see here which API calls you can perform with the selected API scopes during the API Key creation.

Insomnia – Retrieve all Systems via Public REST API

The screenshot displays the Insomnia REST client interface. On the left, a sidebar shows a list of API endpoints under the 'Public API' section, including 'SAP systems', 'SAP system', 'instances of SAP system', 'virtual machines', 'virtual machine', 'instances', 'instance', 'instances', 'activity - Start system', 'activity - Stop system', 'activities', 'activity', 'steps of activity', 'step of activity', and 'messages of step of activity'. The main panel shows a GET request to 'https://api.lama.cloud.sap/v1/systems' with a status of '200 OK'. The response body is a JSON array of system objects. A text box with an orange arrow points to the first object in the array, containing the text: 'Using the API Key generated by SAP Landscape Management Cloud it is possible to send API requests which will give us for example all SAP systems.'

```
1 {
2   "systems": [
3     {
4       "id": "a671[REDACTED]3559e1",
5       "name": "AZH: SAP HANA Database, lcqazhdb.lama.cloud",
6       "status": "Running",
7       "sid": "AZH",
8       "communicationHostname": "lcqazhdb.lama.cloud",
9     },
10    {
11      "id": "9f8[REDACTED]1f8dda35e",
12      "name": "Azure Systems"
13    },
14    {
15      "systemType": "SAP HANA Multitenant Database Containers (MDC)",
16      "release": "2.00.052.00.1599235305",
17      "managementStatus": "Advanced"
18    },
19    {
20      "id": "2f7d6[REDACTED]27",
21      "name": "AMD: SAP NetWeaver for ABAP, lcqawdcs.lama.cloud",
22      "status": "Stopped",
23      "sid": "AMD",
24      "communicationHostname": "lcqawdcs.lama.cloud",
25    },
26    {
27      "id": "4397d[REDACTED]4ce",
28      "name": "AWS Systems"
29    },
30    {
31      "systemType": "SAP NetWeaver",
32      "release": "7.50",
33      "managementStatus": "Advanced"
34    },
35    {
36      "id": "ba3b89[REDACTED]5249",
37      "name": "AZH: NetWeaver ABAP, lcqazhcl.2tz31ld2uu5ufclprecou112wd.ax.internal.cloudapp.net",
38      "status": "Running",
39      "sid": "AZH",
40      "communicationHostname": "lcqazhcl.2tz31ld2uu5ufclprecou112wd.ax.internal.cloudapp.net",
41    },
42    {
43      "id": "9fb4[REDACTED]dda35e",
44      "name": "Azure Systems"
45    },
46    {
47      "systemType": "SAP NetWeaver",
48      "release": "7.49",
49      "managementStatus": "Advanced"
50    },
51    {
52      "id": "f5881a[REDACTED]420ed861",
53      "name": "GC3: SAP NetWeaver for ABAP, lcqgc3cs.lama.cloud",
54      "status": "Stopped",
55      "sid": "GC3",
56      "communicationHostname": "lcqgc3cs.lama.cloud",
57    },
58    {
59      "id": "043ba2[REDACTED]3bcd348",
60      "name": "GCP Systems"
61    },
62    {
63      "systemType": "SAP NetWeaver",
64      "release": null,
65      "managementStatus": "Advanced"
66    },
67    {
68      "id": "043ba2[REDACTED]3bcd348",
69      "name": "GCP Systems"
70    },
71    {
72      "systemType": "SAP NetWeaver",
73      "release": null,
74      "managementStatus": "Advanced"
75    },
76    {
77      "id": "043ba2[REDACTED]3bcd348",
78      "name": "GCP Systems"
79    },
80    {
81      "systemType": "SAP NetWeaver",
82      "release": null,
83      "managementStatus": "Advanced"
84    },
85    {
86      "id": "043ba2[REDACTED]3bcd348",
87      "name": "GCP Systems"
88    },
89    {
90      "systemType": "SAP NetWeaver",
91      "release": null,
92      "managementStatus": "Advanced"
93    },
94    {
95      "id": "043ba2[REDACTED]3bcd348",
96      "name": "GCP Systems"
97    },
98    {
99      "systemType": "SAP NetWeaver",
100     "release": null,
101     "managementStatus": "Advanced"
102   },
103   {
104     "id": "043ba2[REDACTED]3bcd348",
105     "name": "GCP Systems"
106   },
107   {
108     "systemType": "SAP NetWeaver",
109     "release": null,
110     "managementStatus": "Advanced"
111   },
112   {
113     "id": "043ba2[REDACTED]3bcd348",
114     "name": "GCP Systems"
115   },
116   {
117     "systemType": "SAP NetWeaver",
118     "release": null,
119     "managementStatus": "Advanced"
120   },
121   {
122     "id": "043ba2[REDACTED]3bcd348",
123     "name": "GCP Systems"
124   },
125   {
126     "systemType": "SAP NetWeaver",
127     "release": null,
128     "managementStatus": "Advanced"
129   },
130   {
131     "id": "043ba2[REDACTED]3bcd348",
132     "name": "GCP Systems"
133   },
134   {
135     "systemType": "SAP NetWeaver",
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137     "managementStatus": "Advanced"
138   },
139   {
140     "id": "043ba2[REDACTED]3bcd348",
141     "name": "GCP Systems"
142   },
143   {
144     "systemType": "SAP NetWeaver",
145     "release": null,
146     "managementStatus": "Advanced"
147   },
148   {
149     "id": "043ba2[REDACTED]3bcd348",
150     "name": "GCP Systems"
151   },
152   {
153     "systemType": "SAP NetWeaver",
154     "release": null,
155     "managementStatus": "Advanced"
156   },
157   {
158     "id": "043ba2[REDACTED]3bcd348",
159     "name": "GCP Systems"
160   },
161   {
162     "systemType": "SAP NetWeaver",
163     "release": null,
164     "managementStatus": "Advanced"
165   },
166   {
167     "id": "043ba2[REDACTED]3bcd348",
168     "name": "GCP Systems"
169   },
170   {
171     "systemType": "SAP NetWeaver",
172     "release": null,
173     "managementStatus": "Advanced"
174   },
175   {
176     "id": "043ba2[REDACTED]3bcd348",
177     "name": "GCP Systems"
178   },
179   {
180     "systemType": "SAP NetWeaver",
181     "release": null,
182     "managementStatus": "Advanced"
183   },
184   {
185     "id": "043ba2[REDACTED]3bcd348",
186     "name": "GCP Systems"
187   },
188   {
189     "systemType": "SAP NetWeaver",
190     "release": null,
191     "managementStatus": "Advanced"
192   },
193   {
194     "id": "043ba2[REDACTED]3bcd348",
195     "name": "GCP Systems"
196   },
197   {
198     "systemType": "SAP NetWeaver",
199     "release": null,
200     "managementStatus": "Advanced"
201   },
202   {
203     "id": "043ba2[REDACTED]3bcd348",
204     "name": "GCP Systems"
205   },
206   {
207     "systemType": "SAP NetWeaver",
208     "release": null,
209     "managementStatus": "Advanced"
210   },
211   {
212     "id": "043ba2[REDACTED]3bcd348",
213     "name": "GCP Systems"
214   },
215   {
216     "systemType": "SAP NetWeaver",
217     "release": null,
218     "managementStatus": "Advanced"
219   },
220   {
221     "id": "043ba2[REDACTED]3bcd348",
222     "name": "GCP Systems"
223   },
224   {
225     "systemType": "SAP NetWeaver",
226     "release": null,
227     "managementStatus": "Advanced"
228   },
229   {
230     "id": "043ba2[REDACTED]3bcd348",
231     "name": "GCP Systems"
232   },
233   {
234     "systemType": "SAP NetWeaver",
235     "release": null,
236     "managementStatus": "Advanced"
237   },
238   {
239     "id": "043ba2[REDACTED]3bcd348",
240     "name": "GCP Systems"
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242   {
243     "systemType": "SAP NetWeaver",
244     "release": null,
245     "managementStatus": "Advanced"
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247   {
248     "id": "043ba2[REDACTED]3bcd348",
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251   {
252     "systemType": "SAP NetWeaver",
253     "release": null,
254     "managementStatus": "Advanced"
255   },
256   {
257     "id": "043ba2[REDACTED]3bcd348",
258     "name": "GCP Systems"
259   },
260   {
261     "systemType": "SAP NetWeaver",
262     "release": null,
263     "managementStatus": "Advanced"
264   },
265   {
266     "id": "043ba2[REDACTED]3bcd348",
267     "name": "GCP Systems"
268   },
269   {
270     "systemType": "SAP NetWeaver",
271     "release": null,
272     "managementStatus": "Advanced"
273   },
274   {
275     "id": "043ba2[REDACTED]3bcd348",
276     "name": "GCP Systems"
277   },
278   {
279     "systemType": "SAP NetWeaver",
280     "release": null,
281     "managementStatus": "Advanced"
282   },
283   {
284     "id": "043ba2[REDACTED]3bcd348",
285     "name": "GCP Systems"
286   },
287   {
288     "systemType": "SAP NetWeaver",
289     "release": null,
290     "managementStatus": "Advanced"
291   },
292   {
293     "id": "043ba2[REDACTED]3bcd348",
294     "name": "GCP Systems"
295   },
296   {
297     "systemType": "SAP NetWeaver",
298     "release": null,
299     "managementStatus": "Advanced"
300   },
301   {
302     "id": "043ba2[REDACTED]3bcd348",
303     "name": "GCP Systems"
304   },
305   {
306     "systemType": "SAP NetWeaver",
307     "release": null,
308     "managementStatus": "Advanced"
309   },
310   {
311     "id": "043ba2[REDACTED]3bcd348",
312     "name": "GCP Systems"
313   },
314   {
315     "systemType": "SAP NetWeaver",
316     "release": null,
317     "managementStatus": "Advanced"
318   },
319   {
320     "id": "043ba2[REDACTED]3bcd348",
321     "name": "GCP Systems"
322   },
323   {
324     "systemType": "SAP NetWeaver",
325     "release": null,
326     "managementStatus": "Advanced"
327   },
328   {
329     "id": "043ba2[REDACTED]3bcd348",
330     "name": "GCP Systems"
331   },
332   {
333     "systemType": "SAP NetWeaver",
334     "release": null,
335     "managementStatus": "Advanced"
336   },
337   {
338     "id": "043ba2[REDACTED]3bcd348",
339     "name": "GCP Systems"
340   },
341   {
342     "systemType": "SAP NetWeaver",
343     "release": null,
344     "managementStatus": "Advanced"
345   },
346   {
347     "id": "043ba2[REDACTED]3bcd348",
348     "name": "GCP Systems"
349   },
350   {
351     "systemType": "SAP NetWeaver",
352     "release": null,
353     "managementStatus": "Advanced"
354   },
355   {
356     "id": "043ba2[REDACTED]3bcd348",
357     "name": "GCP Systems"
358   },
359   {
360     "systemType": "SAP NetWeaver",
361     "release": null,
362     "managementStatus": "Advanced"
363   },
364   {
365     "id": "043ba2[REDACTED]3bcd348",
366     "name": "GCP Systems"
367   },
368   {
369     "systemType": "SAP NetWeaver",
370     "release": null,
371     "managementStatus": "Advanced"
372   },
373   {
374     "id": "043ba2[REDACTED]3bcd348",
375     "name": "GCP Systems"
376   },
377   {
378     "systemType": "SAP NetWeaver",
379     "release": null,
380     "managementStatus": "Advanced"
381   },
382   {
383     "id": "043ba2[REDACTED]3bcd348",
384     "name": "GCP Systems"
385   },
386   {
387     "systemType": "SAP NetWeaver",
388     "release": null,
389     "managementStatus": "Advanced"
390   },
391   {
392     "id": "043ba2[REDACTED]3bcd348",
393     "name": "GCP Systems"
394   },
395   {
396     "systemType": "SAP NetWeaver",
397     "release": null,
398     "managementStatus": "Advanced"
399   },
400   {
401     "id": "043ba2[REDACTED]3bcd348",
402     "name": "GCP Systems"
403   },
404   {
405     "systemType": "SAP NetWeaver",
406     "release": null,
407     "managementStatus": "Advanced"
408   },
409   {
410     "id": "043ba2[REDACTED]3bcd348",
411     "name": "GCP Systems"
412   },
413   {
414     "systemType": "SAP NetWeaver",
415     "release": null,
416     "managementStatus": "Advanced"
417   },
418   {
419     "id": "043ba2[REDACTED]3bcd348",
420     "name": "GCP Systems"
421   },
422   {
423     "systemType": "SAP NetWeaver",
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1066   {
1067     "id
```

Insomnia – Perform Operation via Public REST API

The screenshot displays the Insomnia REST client interface. On the left, a sidebar shows a list of APIs under 'Public API', including 'SAP systems', 'SAP system', 'instances of SAP system', 'virtual machines', 'virtual machine', 'instances', 'instance', and 'activities'. The 'activities' API is selected, showing a list of endpoints like 'activity - Start system', 'activity - Stop system', 'activities', 'activity', 'steps of activity', 'step of activity', and 'messages of step of activity'. The main panel shows a POST request to 'https://api.lama.cloud.sap/v1/activities'. The request body is a JSON object with 'requestType' set to 'StartSystemRequest' and 'systemId' set to 'f58d861'. The response is a JSON array of 40 objects, each representing an activity step. An orange arrow points from a text box to the first object in the response array.

POST `https://api.lama.cloud.sap/v1/activities` Send 201 Created 875 ms 1159 B

JSON `{`
1 `{`
2 `"requestType": "StartSystemRequest",`
3 `"systemId": "f58d861"`
4 `}`

Preview `{`
1 `{`
2 `"id": "8dc74997-32da-4e85-a24c-e3e6d30997e1",`
3 `"name": "START_SERVICE",`
4 `"status": "Scheduled",`
5 `"progress": 0,`
6 `"steps": [`
7 `{`
8 `"id": "94a1cc315e",`
9 `"name": "START_DATABASE",`
10 `"status": "Scheduled",`
11 `"progress": 0`
12 `},`
13 `{`
14 `"id": "146294a6de",`
15 `"name": "START_VM",`
16 `"status": "Scheduled",`
17 `"progress": 0`
18 `},`
19 `{`
20 `"id": "aeede52f928",`
21 `"name": "WAIT_FOR_SAP_HOST_AGENT",`
22 `"status": "Scheduled",`
23 `"progress": 0`
24 `},`
25 `{`
26 `"id": "e43e1560",`
27 `"name": "WAIT_FOR_SAP_HOST_AGENT",`
28 `"status": "Scheduled",`
29 `"progress": 0`
30 `},`
31 `{`
32 `"id": "7d0d69b17",`
33 `"name": "START_TENANT",`
34 `"status": "Scheduled",`
35 `"progress": 0`
36 `},`
37 `{`
38 `"id": "1bd51c5",`
39 `"name": "START_INSTANCE",`
40 `"status": "Scheduled"`

You can also start or stop systems using the API request shown.

You will receive the `activityId` and also all steps for the operation needed as response.

SAP Landscape Management Cloud – Activities History

Home

Landscape Manage...

Operations

Activities History

Automation Studio

Patterns

Analytics

Projected Costs

Configuration

Discovery Portal

Managed Systems

System Groups

Landscape Agents

API Management

Accounts

SAP Host Agent Credentials

Roles

Settings

Currency

Messaging

Notifications

Event Routing

Tenant Information

Activities History

1 filter active: ID

Status: Name: ID: Latest Start Time: Entity Name:

Source Type: System Group:

Adapt Filters

Activities Page 1 (1 - 1)

Initiated By: User System

Start

Start

Activity

General Information Steps Graph

Steps (10)

Status / Name	Progress	Duration	Step Number	Next Step	Previous Step	Entity Name
Start Virtual Machine Start Time: 2023-11-07 16:10:36	100%	00:01:02	1	4		lcqgc3cs
Start Virtual Machine Start Time: 2023-11-07 16:10:36	100%	00:01:01	2	5		lcqgc3as1
Start Virtual Machine Start Time: 2023-11-07 16:10:37	100%	00:01:01	3	6		lcqgc3db
Wait For SAP Host Agent Start Time: 2023-11-07 16:11:38	100%	00:00:01	4	7	1	lcqgc3cs
Wait For SAP Host Agent Start Time: 2023-11-07 16:11:38	100%	00:00:01	5	10	2	lcqgc3as1
Wait For SAP Host Agent Start Time: 2023-11-07 16:11:38	100%	00:00:01	6	8, 9	3	lcqgc3db
Start Instance Start Time: 2023-11-07 16:11:39	100%	00:00:41	7	10	4	GC3 ASCS Instance: 00, lcqgc3cs.lama.cloud
Start Database Start Time: 2023-11-07 16:11:39	0%		8	9	6	SYSTEMDB@GC3 SAP HANA System DB: HDB00, lcqgc3db.lama.cloud
Start Tenant	0%		9	10	6, 8	GC3@GC3 SAP HANA Tenant DB: HDB00, lcqgc3db.lama.cloud
	0%		10		5, 7, 9	GC3 AS Instance: 00, lcqgc3as1.lama.cloud

You can see the start operation also in the “Activities History” view or by using the public REST API of SAP Landscape Management Cloud.

SAPinsider



SAPinsider.org

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