Gisual: Commercial Inbound Webhook Receiver Config Build Document (CBD)

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Contents

Glossary of Terms

Abbreviation	Full Name
AP	Access Point
CDB	Central Database
CLI	Command Line Interface
CU	Collector
CUG	Collector Group
DA	Dynamic Application
DB	Database
DCM	Dynamic Component Mapping
EE	Execution Environment
FQDN	Fully Qualified Domain Name
GA	General Availability
MCU	Message Collector
OOB	Out of Box
PPK	PowerPack
RBA	Run Book Automation
SL	ScienceLogic
UI	User Interface

Introduction

This document is an overview of how to integrate setup Gisual Commercial Power status Powerpack.

- A webhook handler for receiving alerts from Gisual Commercial Power Status

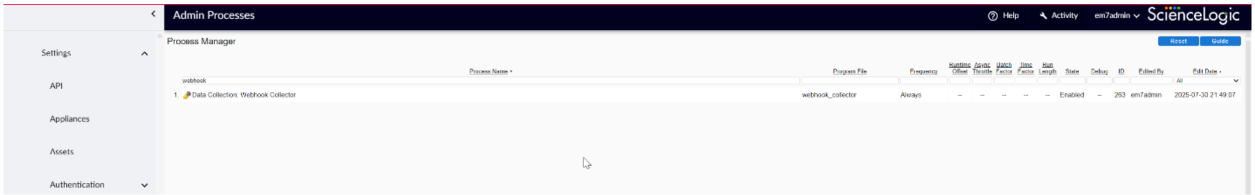
The objective of this document is to provide the Customer with a list of customer-specific requirements/design configuration settings, custom development specifications and overall architectural depiction. The details in this document cover the work ScienceLogic did during its engagement with the Customer.

Prerequisites & Assumptions:

1. The webhook message collector has a valid TLS (SSL) Certificate, can receive webhooks from external webhook sender (Gisual). The Gisual Webhooks are sent to HTTPS Port (TCP443).
    - Typically, the Network firewall team will help with the collector placement and port access.
    - Similarly, a TLS (SSL) certificate can be obtained and set up under the main domain of the company. For Example: for Sciencelogic (sciencelogic.com) – a subdomain (webhook.demo.sciencelogic.com) was used for TLS (SSL) certificate.

2. The Skylar One Administrator has already set up the message collector and aligned it to appropriate collector groups.

3. The user has already enabled the webhook process, in Skylar One.



	Process Name	Program File	Frequency	Runtime Offset	Async Throttle	Batch Factor	Time Factor	Run Length	State	Debug	ID	Edited By	Edit Date
	webhook												All
1.	Data Collection: Webhook Collector	webhook_collector	Always	--	--	--	--	--	Enabled	--	263	em7admin	2025-07-30 21:49:07

4. The user must enable the Webhook configuration on the Message Collector

```
[em7admin@message_collector ~]$ sudo /opt/em7/share/scripts/configure_webhook.py activate
```

Limitations

- The webhook handler will only work for the specified JSON formats supported by Gisual.
- The webhook handler will only work with an active Bearer Token provided by Gisual.

Version Requirements

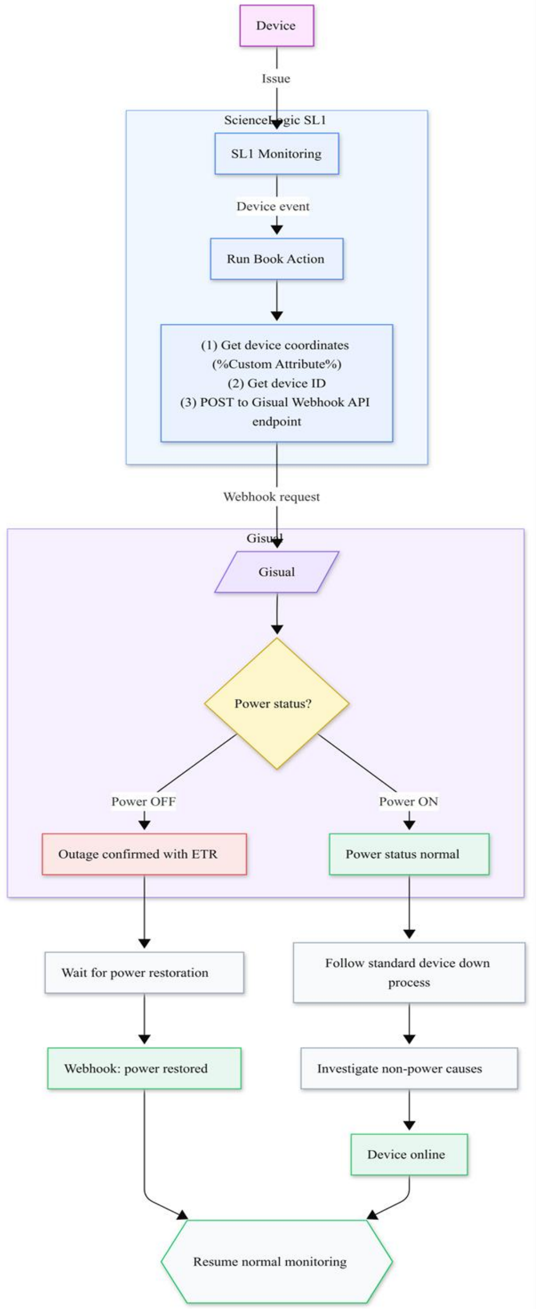
The minimum version for Skylar One is 12.3.2.

Workflow of Gisual Inbound Webhook

Monitored device in SL1 reports a down event (e.g.)

** The automation can be aligned to any active event policy in the runbook automation policy editor.*

- SL1 triggers a Run Book Action aligned to event policy (**or policies*) in Automation Policy Editor.
- Run Book Action queries the device DID and the Custom Attributes (LATITUDE/LONGITUDE)
- SL1 sends an API POST to the Gisual API with the coordinates and DID.
- Gisual evaluates local power conditions and returns one of two results.
    - If power OFF
        - Gisual sends a Webhook to SL1 with this detail (and an ETR)
        - SL1 generates an event – power outage on the device.
        - Gisual sends a updated webhook to SL1 – we then correlate this healthy event to the Critical Power Off even.
    - If power ON
        - SL1 gets a webhook with Power Status On
        - Customer to follow standard device down event resolution path.


Device
Issue
ScienceLogic SL1
SL1 Monitoring
Device event
Run Book Action
(1) Get device coordinates (%Custom Attribute%) (2) Get device ID (3) POST to Gisual Webhook API endpoint
Webhook request
Gisual
Gisual
Power status?
Power OFF
Power ON
Outage confirmed with ETR
Power status normal
Wait for power restoration
Follow standard device down process
Webhook: power restored
Investigate non-power causes
Device online
Resume normal monitoring

Sample Webhook Payloads

Default Template

Gisual Webhook Online KB.
How to Integrate with the Gisual Power Outage Intelligence Webhook API – Gisual Inc

Installation

Webhook Message Collector Setup

https://docs.sciencelogic.com/latest/Content/Web_Events_and_Automation/Events/event_webhooks.htm
Please follow the directions in the webhook collector documentation to enable a message collector to ingest webhooks from external sources.
Once the message collector is set up, a valid TLS certificate is aligned, and the collector is accessible from the web (this can be limited to specific IP/URL that Gisual is going to be sending the Webhooks from).

Skylar One Setup

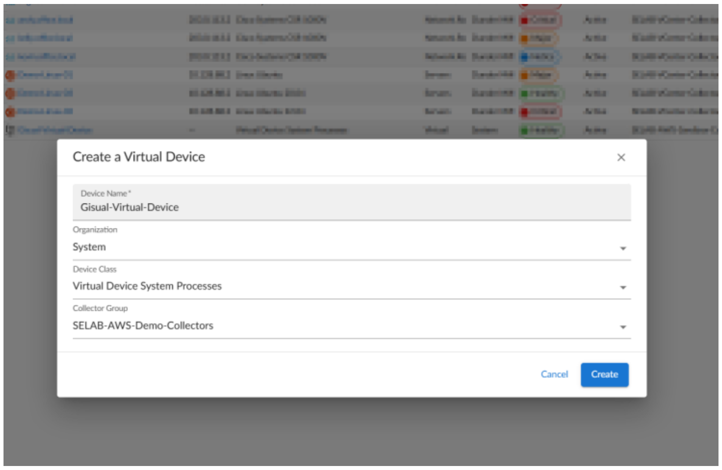
Install & Configure Skylar One PowerPack components

Follow the steps from SL's public documentation here to import the PPK.
The following Powerpack needs to be Imported and Installed:

1. Import and Install Gisual Commercial Power (webhooks)

2. Create a Virtual Device to align the Webhook Monitor.

Create Virtual Device



Create a Virtual Device

Device Name *
Gisual-Virtual-Device

Organization
System

Device Class
Virtual Device System Processes

Collector Group
SELAB-AWS-Demo-Collectors

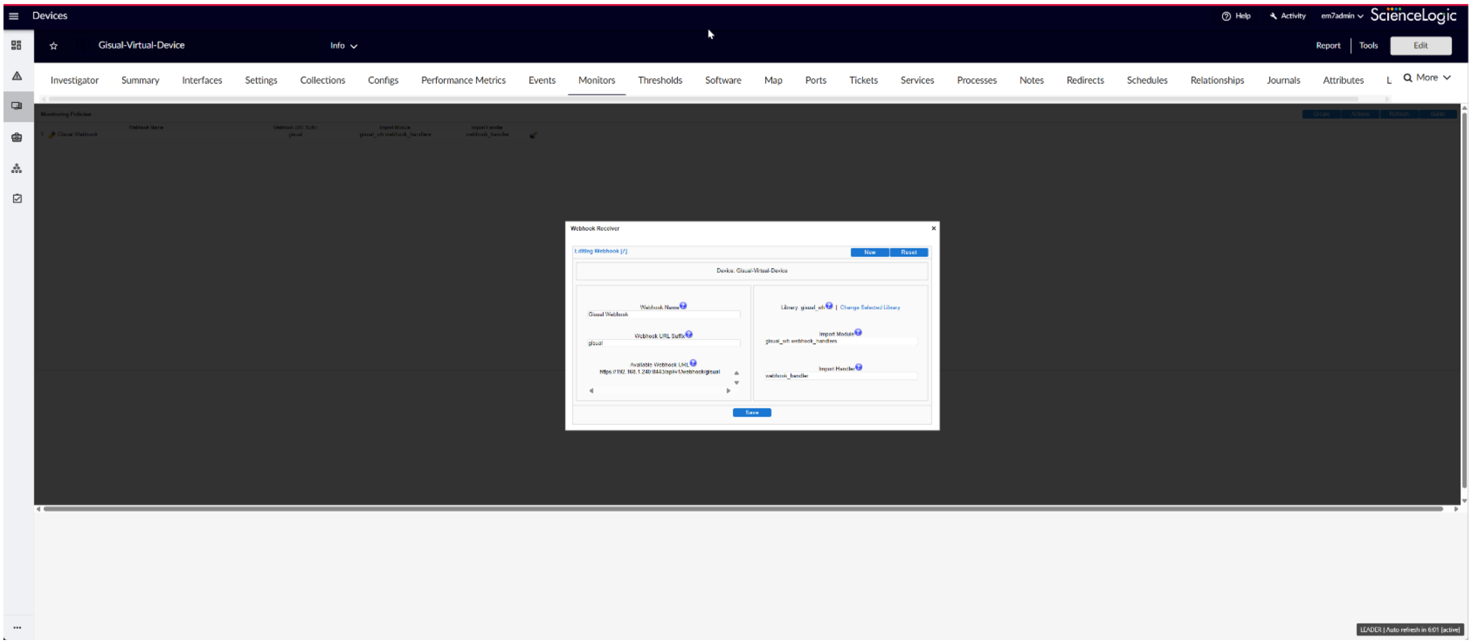
Webhook Monitor requires a device to be aligned to. The steps to align the webhook Monitor are below.

- Navigate to Registry > Devices > Device Manager
- Click Action > Create Virtual Device
- Populate these fields:

  - Device Name: Arbitrary text field (make is unique so it is easy to search for later)
  - Organization: Choose appropriate organization.
  - Device Class: Choose
  - Collector: Choose whichever collector group.
- Click “Create”

Create Webhook Policy

The webhook policy requires the user to select the device and the ScienceLogic Library prior to inputting anything into the form.



Webhook Receiver

Editing Webhook [7]

Device: Gisual-Virtual-Device

Webhook Name: Gisual Webhook

Webhook URL Suffix: gisual

Available Webhook URL: https://192.168.1.240:8443/api/v1/webhook/gisual

Library: gisual_wh | Change Selected Library

Import Module: gisual_wh.webhook_handlers

Import Handler: webhook_handler

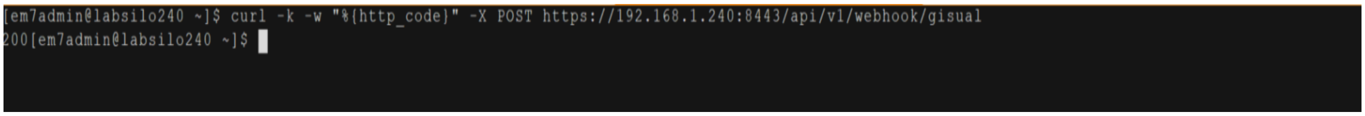
1. Navigate to Registry > Monitors > Webhooks
2. Click Create
3. Select device (device created in previous section)
4. Select ScienceLogic Library (gisual_wh)
5. Populate fields:
   a. Webhook Name: Arbitrary text field (*Gisual Webhook*)
   b. Webhook URL Suffix: Arbitrary text field (*gisual*)
   c. Import Module: *gisual_wh.webhook_handlers*
   d. Import Handler: *webhook_handler*
6. Click Save

Testing Webhook Ingestion before configuring Gisual Credential

Look at the port at which you are ingesting webhooks on the collector. This is set up in the Monitoring Policy on Virtual Device that was configured in the previous step.
For example: `https://local_ip_address:8443/api/v1/webhook/gisual`

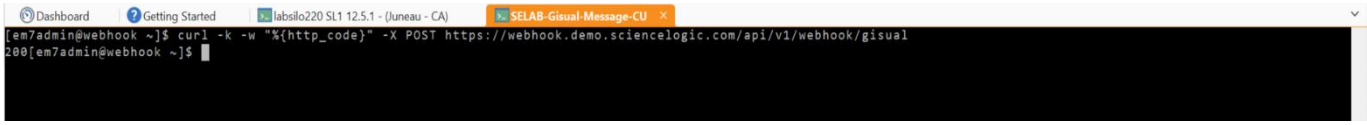
To test if the webhook ingestion is working locally, the first step is to validate this by using the collector CLI and using curl command. You are looking for a 200 OK.

Command: *curl -k -w "%{http_code}" -X POST* https://local_ip:8443/api/v1/webhook/gisual



```
[em7admin@labsilo240 ~]$ curl -k -w "%{http_code}" -X POST https://192.168.1.240:8443/api/v1/webhook/gisual
200[em7admin@labsilo240 ~]$ 
```

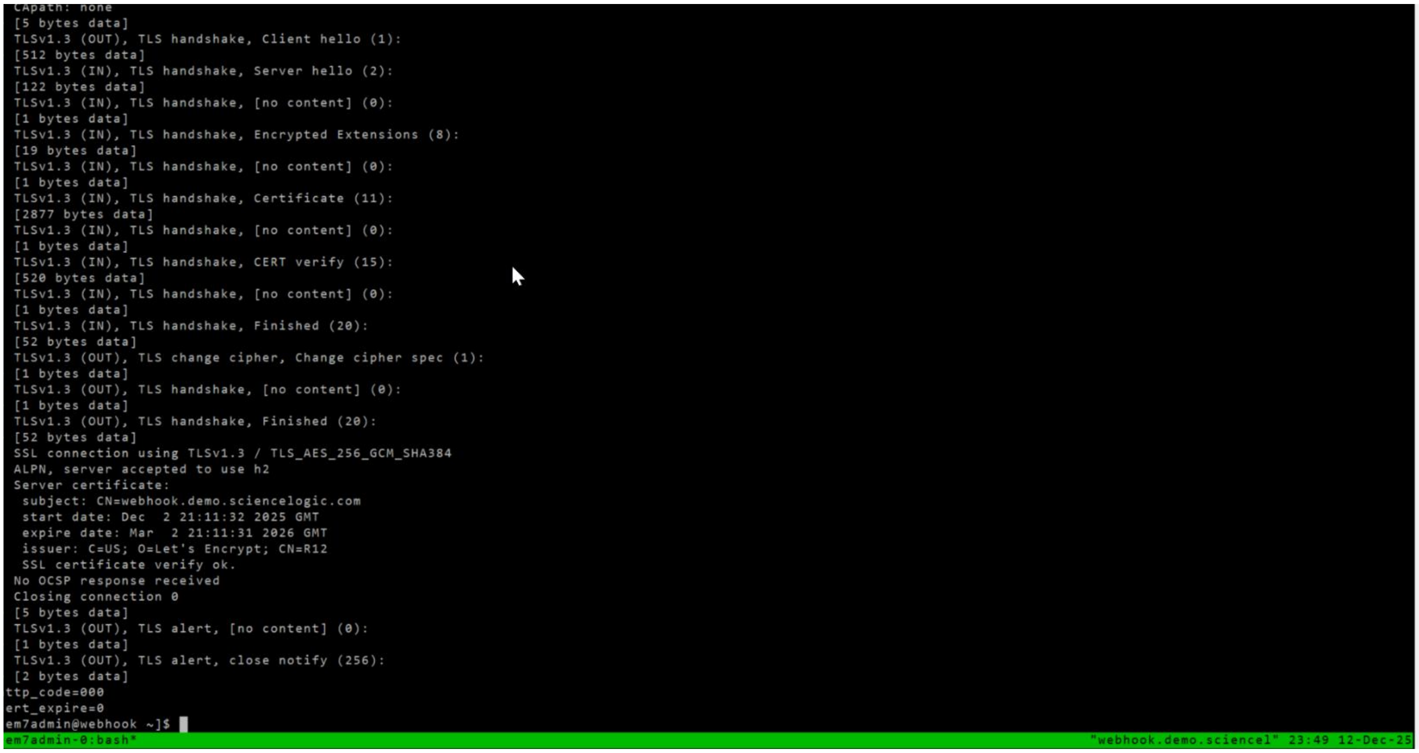
Next test is to verify the same response (200 OK) is validated from the internet facing / public URL mapped to the webhook collector. And you also want to verify the TLS Certificate is valid.



```
[em7admin@webhook ~]$ curl -k -w "%{http_code}" -X POST https://webhook.demo.sciencelogic.com/api/v1/webhook/gisual
200[em7admin@webhook ~]$ 
```

Next Test the SSL Certificate is valid and is on correctly responding. Use the following commands

Command: *curl -k -s -o /dev/null   -w "http_code=%{http_code}\ncert_expire=%{ssl_verify_result}\n" --cert-status   --verbose   https://public_url_webhook_collector/api/v1/webhook/gisual*



```
 CApath: none
 [5 bytes data]
 TLSv1.3 (OUT), TLS handshake, Client hello (1):
 [512 bytes data]
 TLSv1.3 (IN), TLS handshake, Server hello (2):
 [122 bytes data]
 TLSv1.3 (IN), TLS handshake, [no content] (0):
 [1 bytes data]
 TLSv1.3 (IN), TLS handshake, Encrypted Extensions (8):
 [19 bytes data]
 TLSv1.3 (IN), TLS handshake, [no content] (0):
 [1 bytes data]
 TLSv1.3 (IN), TLS handshake, Certificate (11):
 [2877 bytes data]
 TLSv1.3 (IN), TLS handshake, [no content] (0):
 [1 bytes data]
 TLSv1.3 (IN), TLS handshake, CERT verify (15):
 [520 bytes data]
 TLSv1.3 (IN), TLS handshake, [no content] (0):
 [1 bytes data]
 TLSv1.3 (IN), TLS handshake, Finished (20):
 [52 bytes data]
 TLSv1.3 (OUT), TLS change cipher, Change cipher spec (1):
 [1 bytes data]
 TLSv1.3 (OUT), TLS handshake, [no content] (0):
 [1 bytes data]
 TLSv1.3 (OUT), TLS handshake, Finished (20):
 [52 bytes data]
 SSL connection using TLSv1.3 / TLS_AES_256_GCM_SHA384
 ALPN, server accepted to use h2
 Server certificate:
  subject: CN=webhook.demo.sciencelogic.com
  start date: Dec  2 21:11:32 2025 GMT
  expire date: Mar  2 21:11:31 2026 GMT
  issuer: C=US; O=Let's Encrypt; CN=R12
  SSL certificate verify ok.
 No OCSP response received
 Closing connection 0
 [5 bytes data]
 TLSv1.3 (OUT), TLS alert, [no content] (0):
 [1 bytes data]
 TLSv1.3 (OUT), TLS alert, close notify (256):
 [2 bytes data]
ttp_code=000
ert_expire=0
em7admin@webhook ~]$ 
em7admin-0:bash*                                          "webhook.demo.sciencel" 23:49 12-Dec-25
```

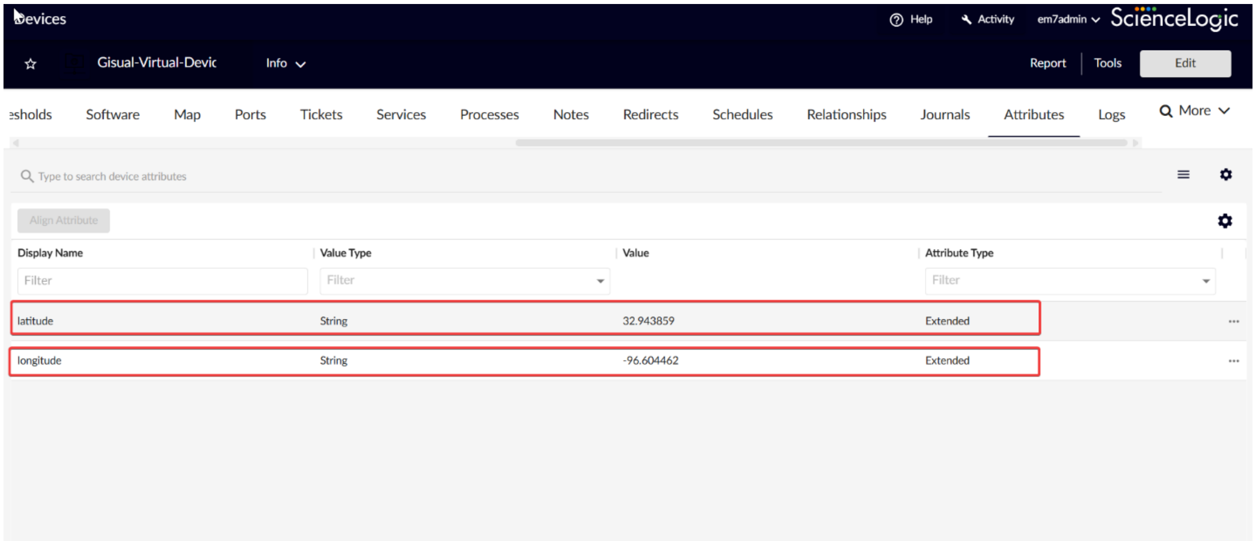
Enabling Devices to send API calls to Gisual.

With all the configuration complete for the Message Collector, you can now proceed to add custom attributes (2) to each device that will trigger an API call to check for power status to Gisual.

These devices require 2 Extended Custom Attribute

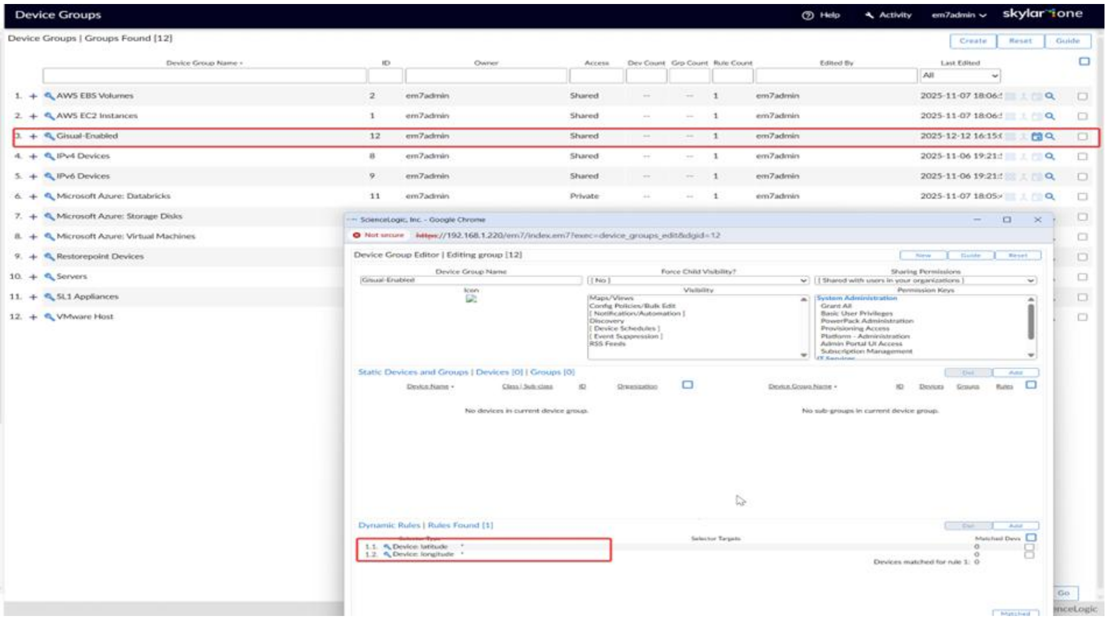
- latitude
- longitude

review below how the values are entered in for each extended custom attribute. It is key that



Display Name	Value Type	Value	Attribute Type
latitude	String	32.943859	Extended
longitude	String	-96.604462	Extended

Devices that will be aligned to "Gisual-Enabled" device group automatically once the "latitude" and "longitude" are aligned to the devices.



Device Groups | Groups Found [12]

	Device Group Name	ID	Owner	Access	Dev Count	Grp Count	Rule Count	Edited By	Last Edited
1.	AWS EBS Volumes	2	em7admin	Shared	--	--	1	em7admin	2025-11-07 18:06:
2.	AWS EC2 Instances	1	em7admin	Shared	--	--	1	em7admin	2025-11-07 18:06:
3.	Gisual-Enabled	12	em7admin	Shared	--	--	1	em7admin	2025-12-12 16:15:(
4.	IPv4 Devices	8	em7admin	Shared	--	--	1	em7admin	2025-11-06 19:21:
5.	IPv6 Devices	9	em7admin	Shared	--	--	1	em7admin	2025-11-06 19:21:
6.	Microsoft Azure: Databricks	11	em7admin	Private	--	--	1	em7admin	2025-11-07 18:05:
7.	Microsoft Azure: Storage Disks								
8.	Microsoft Azure: Virtual Machines								
9.	Restorepoint Devices								
10.	Servers								
11.	SL1 Appliances								
12.	VMware Host								

ScienceLogic, Inc. - Google Chrome

Not secure https://192.168.1.220/em7/index.em7?exec=device_groups_edit&dgid=12

Device Group Editor | Editing group [12]

Device Group Name: Gisual-Enabled

Force Child Visibility?: [No]

Sharing Permissions: [Shared with users in your organizations]

Icon

Visibility: Maps/Views, Config Policies/Bulk Edit, [Notification/Automation], Discovery, [Device Schedules], [Event Suppression], RSS Feeds

Permission Keys: System Administration, Grant All, Basic User Privileges, PowerPack Administration, Provisioning Access, Platform - Administration, Admin Portal UI Access, Subscription Management, IT Services

Static Devices and Groups | Devices [0] | Groups [0]

No devices in current device group.

No sub-groups in current device group.

Dynamic Rules | Rules Found [1]

	Selector Type	Selector Targets	Matched Devs
1.1.	Device: latitude	*	0
1.2.	Device: longitude	*	0

Devices matched for rule 1: 0

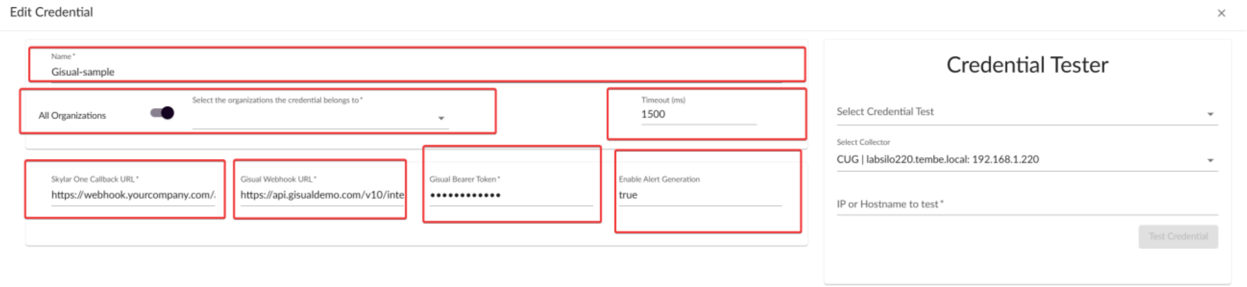
Create and align a credential to the Run Book Action

Navigate to Manage > Credentials

Create a new Universal Credential using the reference sample provided with the powerpack. “Gisual-sample” has reference values.

Below values should be added in. Gisual Bearer Token will be provided from Gisual. The Skylar One Callback URL is the public URL for your Webhook Message Collector you setup at the beginning of this setup process.

- Skylar One Callback URL *
- Gisual Webhook URL *
- Gisual Bearer Token *
- Enable Alert Generation
- Timeout (ms)



Edit Credential

Name *: Gisual-sample

All Organizations

Select the organizations the credential belongs to *

Timeout (ms): 1500

Skylar One Callback URL *: https://webhook.yourcompany.com/.

Gisual Webhook URL *: https://api.gisualdemo.com/v10/inte

Gisual Bearer Token *: ••••••••••••

Enable Alert Generation: true

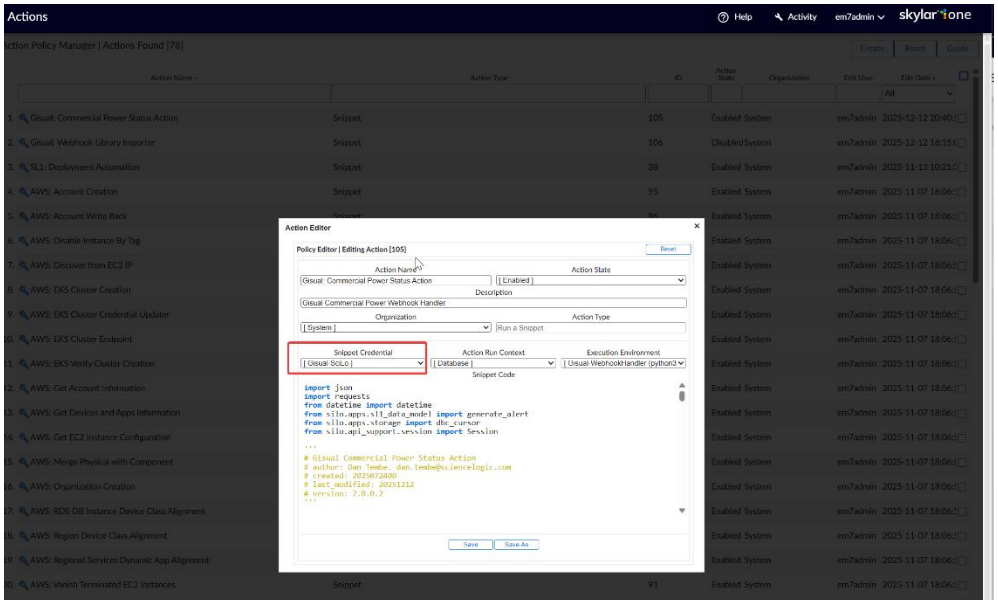
Credential Tester

Select Credential Test

Select Collector: CUG | labsilo220.tembe.local: 192.168.1.220

IP or Hostname to test *

Next step is to align this credential to the Runbook Action provided with the powerpack.



Action Policy Manager | Actions Found [78]

	Action Name	Action Type	ID	Action State	Organization	Edit User	Edit Date
1.	Gisual: Commercial Power Status Action	Snippet	105	Enabled	System	em7admin	2025-12-12 20:40:
2.	Gisual: Webhook Library Importer	Snippet	106	Disabled	System	em7admin	2025-12-12 16:15:
3.	SL1: Deployment Automation	Snippet	38	Enabled	System	em7admin	2025-11-13 10:21:
4.	AWS: Account Creation	Snippet	95	Enabled	System	em7admin	2025-11-07 18:06:
5.	AWS: Account Write Back	Snippet	96	Enabled	System	em7admin	2025-11-07 18:06:
6.	AWS: Disable Instance By Tag			Enabled	System	em7admin	2025-11-07 18:06:
7.	AWS: Discover from EC2 IP			Enabled	System	em7admin	2025-11-07 18:06:
8.	AWS: EKS Cluster Creation			Enabled	System	em7admin	2025-11-07 18:06:
9.	AWS: EKS Cluster Credential Updater			Enabled	System	em7admin	2025-11-07 18:06:
10.	AWS: EKS Cluster Endpoint			Enabled	System	em7admin	2025-11-07 18:06:
11.	AWS: EKS Verify Cluster Creation			Enabled	System	em7admin	2025-11-07 18:06:
12.	AWS: Get Account Information			Enabled	System	em7admin	2025-11-07 18:06:
13.	AWS: Get Devices and Apps Information			Enabled	System	em7admin	2025-11-07 18:06:
14.	AWS: Get EC2 Instance Configuration			Enabled	System	em7admin	2025-11-07 18:06:
15.	AWS: Merge Physical with Component			Enabled	System	em7admin	2025-11-07 18:06:
16.	AWS: Organization Creation			Enabled	System	em7admin	2025-11-07 18:06:
17.	AWS: RDS DB Instance Device Class Alignment			Enabled	System	em7admin	2025-11-07 18:06:
18.	AWS: Region Device Class Alignment			Enabled	System	em7admin	2025-11-07 18:06:
19.	AWS: Regional Services Dynamic App Alignment			Enabled	System	em7admin	2025-11-07 18:06:
20.	AWS: Vanish Terminated EC2 Instances	Snippet	91	Enabled	System	em7admin	2025-11-07 18:06:

Action Editor

Policy Editor | Editing Action [105]

Action Name: Gisual: Commercial Power Status Action

Action State: [Enabled]

Description: Gisual Commercial Power Webhook Handler

Organization: [System]

Action Type: Run a Snippet

Snippet Credential: [Gisual-SciLo]

Action Run Context: [Database]

Execution Environment: [Gisual-WebhookHandler (python3

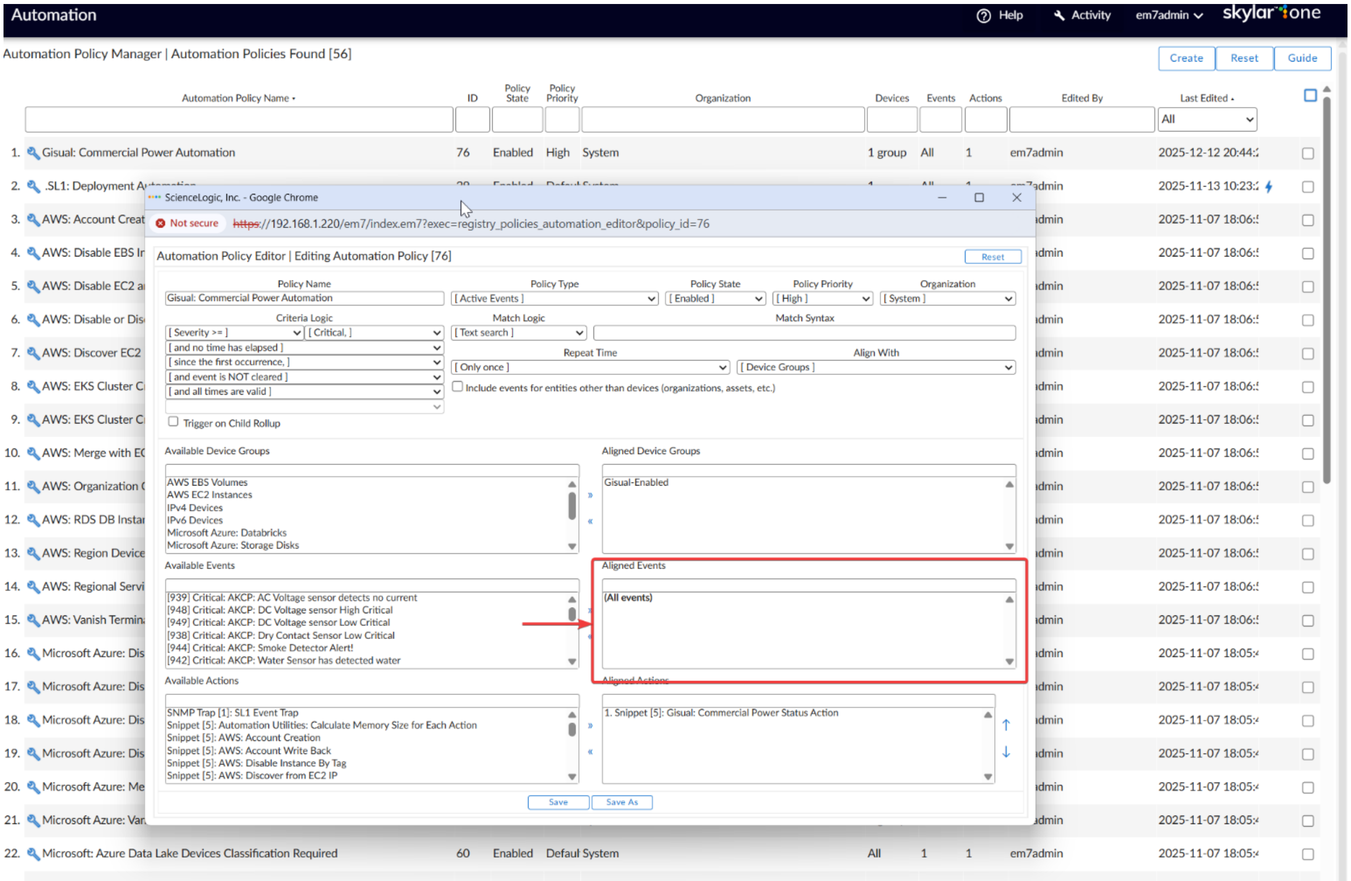
Snippet Code

```
import json
import requests
from datetime import datetime
from silo.apps.sl1_data_model import generate_alert
from silo.apps.storage import dbc_cursor
from silo.api_support.session import Session

'''
# Gisual Commercial Power Status Action
# author: Dan Tembe. dan.tembe@sciencelogic.com
# created: 2025072400
# last_modified: 20251212
# version: 2.0.0.2
'''
```

Edit the Automation Policy with correct events.

Edit the Automation Policy provided with the Powerpack and add in all the events you want to trigger an API call to Gisual for Power Status Validation.



Automation Policy Manager | Automation Policies Found [56]

	Automation Policy Name	ID	Policy State	Policy Priority	Organization	Devices	Events	Actions	Edited By	Last Edited
										All
1.	Gisual: Commercial Power Automation	76	Enabled	High	System	1 group	All	1	em7admin	2025-12-12 20:44:2
2.	.SL1: Deployment A								admin	2025-11-13 10:23:2
3.	AWS: Account Creat								admin	2025-11-07 18:06:5
4.	AWS: Disable EBS In								admin	2025-11-07 18:06:5
5.	AWS: Disable EC2 a								admin	2025-11-07 18:06:5
6.	AWS: Disable or Dis								admin	2025-11-07 18:06:5
7.	AWS: Discover EC2								admin	2025-11-07 18:06:5
8.	AWS: EKS Cluster C								admin	2025-11-07 18:06:5
9.	AWS: EKS Cluster C								admin	2025-11-07 18:06:5
10.	AWS: Merge with EC								admin	2025-11-07 18:06:5
11.	AWS: Organization (								admin	2025-11-07 18:06:5
12.	AWS: RDS DB Instar								admin	2025-11-07 18:06:5
13.	AWS: Region Device								admin	2025-11-07 18:06:5
14.	AWS: Regional Servi								admin	2025-11-07 18:06:5
15.	AWS: Vanish Termin								admin	2025-11-07 18:06:5
16.	Microsoft Azure: Dis								admin	2025-11-07 18:05:4
17.	Microsoft Azure: Dis								admin	2025-11-07 18:05:4
18.	Microsoft Azure: Dis								admin	2025-11-07 18:05:4
19.	Microsoft Azure: Dis								admin	2025-11-07 18:05:4
20.	Microsoft Azure: Me								admin	2025-11-07 18:05:4
21.	Microsoft Azure: Var								admin	2025-11-07 18:05:4
22.	Microsoft: Azure Data Lake Devices Classification Required	60	Enabled	Defaul	System	All	1	1	em7admin	2025-11-07 18:05:4

~~https~~://192.168.1.220/em7/index.em7?exec=registry_policies_automation_editor&policy_id=76

Automation Policy Editor | Editing Automation Policy [76]

Policy Name: Gisual: Commercial Power Automation
Policy Type: [Active Events]
Policy State: [Enabled]
Policy Priority: [High]
Organization: [System]

Criteria Logic:
[Severity >=] [Critical,]
[and no time has elapsed]
[since the first occurrence,]
[and event is NOT cleared]
[and all times are valid]

Match Logic: [Text search]
Match Syntax:
Repeat Time: [Only once]
Align With: [Device Groups]
☐ Include events for entities other than devices (organizations, assets, etc.)
☐ Trigger on Child Rollup

Available Device Groups:
AWS EBS Volumes
AWS EC2 Instances
IPv4 Devices
IPv6 Devices
Microsoft Azure: Databricks
Microsoft Azure: Storage Disks

Aligned Device Groups:
Gisual-Enabled

Available Events:
[939] Critical: AKCP: AC Voltage sensor detects no current
[948] Critical: AKCP: DC Voltage sensor High Critical
[949] Critical: AKCP: DC Voltage sensor Low Critical
[938] Critical: AKCP: Dry Contact Sensor Low Critical
[944] Critical: AKCP: Smoke Detector Alert!
[942] Critical: AKCP: Water Sensor has detected water

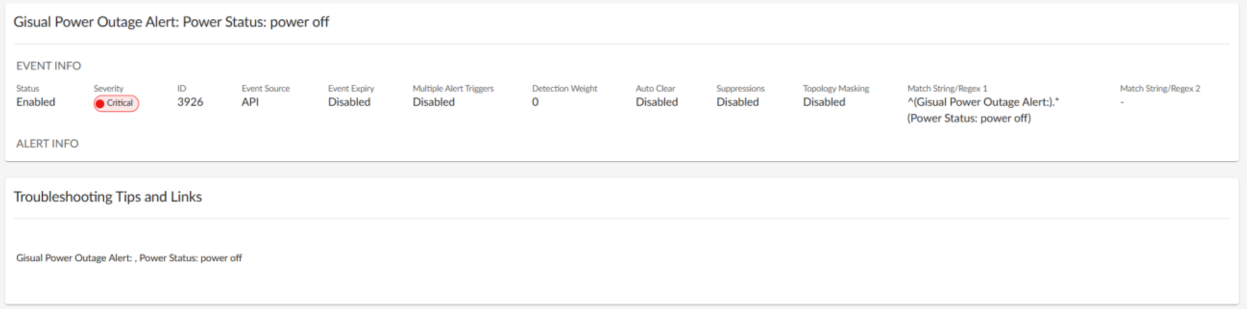
Aligned Events:
(All events)

Available Actions:
SNMP Trap [1]: SL1 Event Trap
Snippet [5]: Automation Utilities: Calculate Memory Size for Each Action
Snippet [5]: AWS: Account Creation
Snippet [5]: AWS: Account Write Back
Snippet [5]: AWS: Disable Instance By Tag
Snippet [5]: AWS: Discover from EC2 IP

Aligned Actions:
1. Snippet [5]: Gisual: Commercial Power Status Action

Event Policies (2)

Gisual Power Outage Alert: Power Status: power off



Gisual Power Outage Alert: Power Status: power off

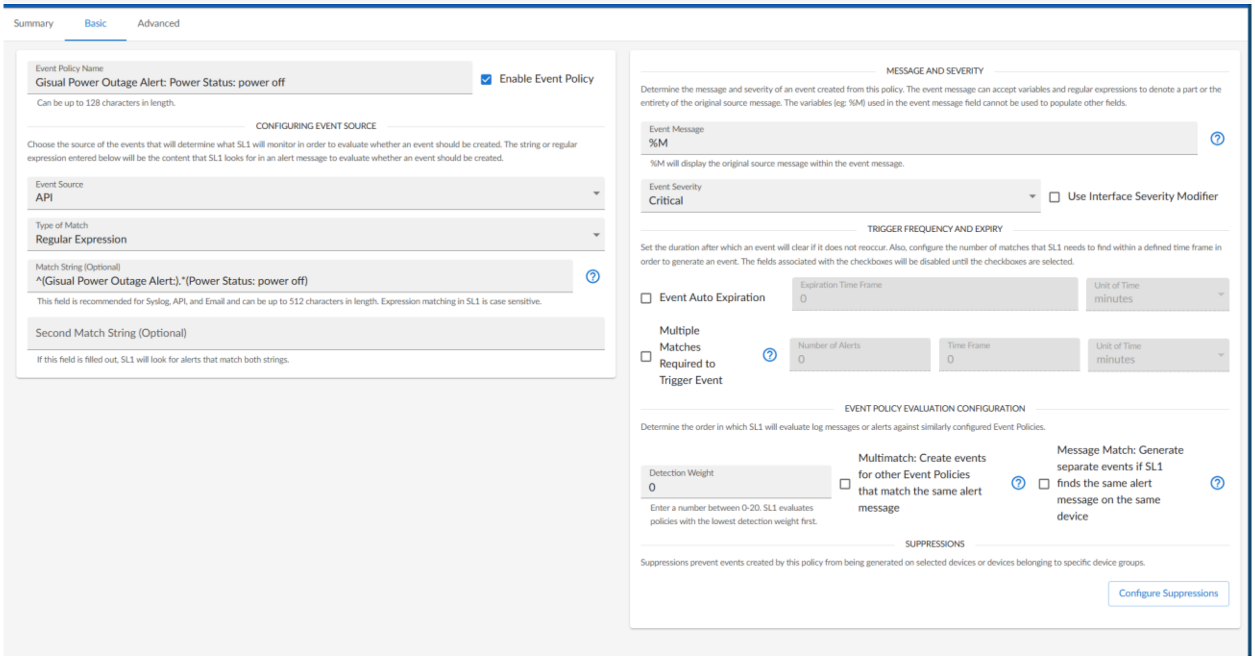
EVENT INFO

Status	Severity	ID	Event Source	Event Expiry	Multiple Alert Triggers	Detection Weight	Auto Clear	Suppressions	Topology Masking	Match String/Regex 1	Match String/Regex 2
Enabled	● Critical	3926	API	Disabled	Disabled	0	Disabled	Disabled	Disabled	^(Gisual Power Outage Alert:).*(Power Status: power off)	-

ALERT INFO

Troubleshooting Tips and Links

Gisual Power Outage Alert: , Power Status: power off



Event Policy Name: Gisual Power Outage Alert: Power Status: power off

☑ Enable Event Policy

Can be up to 128 characters in length.

CONFIGURING EVENT SOURCE

Choose the source of the events that will determine what SL1 will monitor in order to evaluate whether an event should be created. The string or regular expression entered below will be the content that SL1 looks for in an alert message to evaluate whether an event should be created.

Event Source: API

Type of Match: Regular Expression

Match String (Optional): ^(Gisual Power Outage Alert:).*(Power Status: power off)

This field is recommended for Syslog, API, and Email and can be up to 512 characters in length. Expression matching in SL1 is case sensitive.

Second Match String (Optional)

If this field is filled out, SL1 will look for alerts that match both strings.

MESSAGE AND SEVERITY

Determine the message and severity of an event created from this policy. The event message can accept variables and regular expressions to denote a part or the entirety of the original source message. The variables (eg: %M) used in the event message field cannot be used to populate other fields.

Event Message: %M

%M will display the original source message within the event message.

Event Severity: Critical

□ Use Interface Severity Modifier

TRIGGER FREQUENCY AND EXPIRY

Set the duration after which an event will clear if it does not reoccur. Also, configure the number of matches that SL1 needs to find within a defined time frame in order to generate an event. The fields associated with the checkboxes will be disabled until the checkboxes are selected.

□ Event Auto Expiration — Expiration Time Frame: 0 — Unit of Time: minutes

□ Multiple Matches Required to Trigger Event — Number of Alerts: 0 — Time Frame: 0 — Unit of Time: minutes

EVENT POLICY EVALUATION CONFIGURATION

Determine the order in which SL1 will evaluate log messages or alerts against similarly configured Event Policies.

Detection Weight: 0

Enter a number between 0-20. SL1 evaluates policies with the lowest detection weight first.

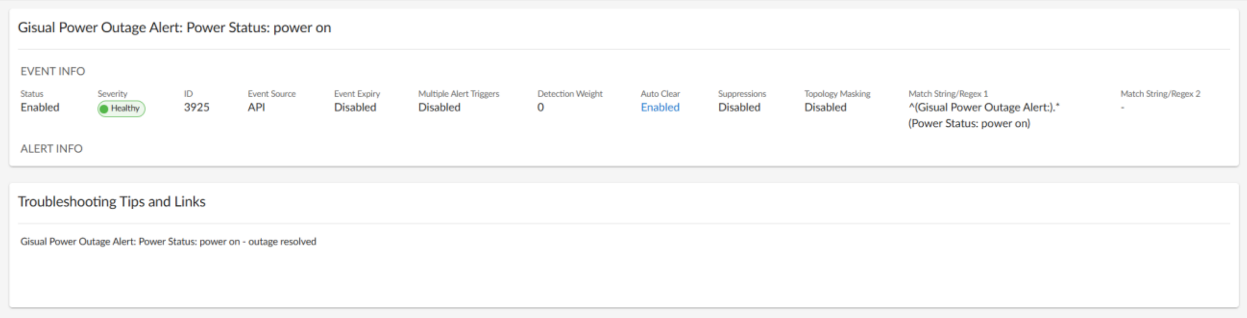
□ Multimatch: Create events for other Event Policies that match the same alert message

□ Message Match: Generate separate events if SL1 finds the same alert message on the same device

SUPPRESSIONS

Suppressions prevent events created by this policy from being generated on selected devices or devices belonging to specific device groups.

Gisual Power Outage Alert: Power Status: power on



Gisual Power Outage Alert: Power Status: power on

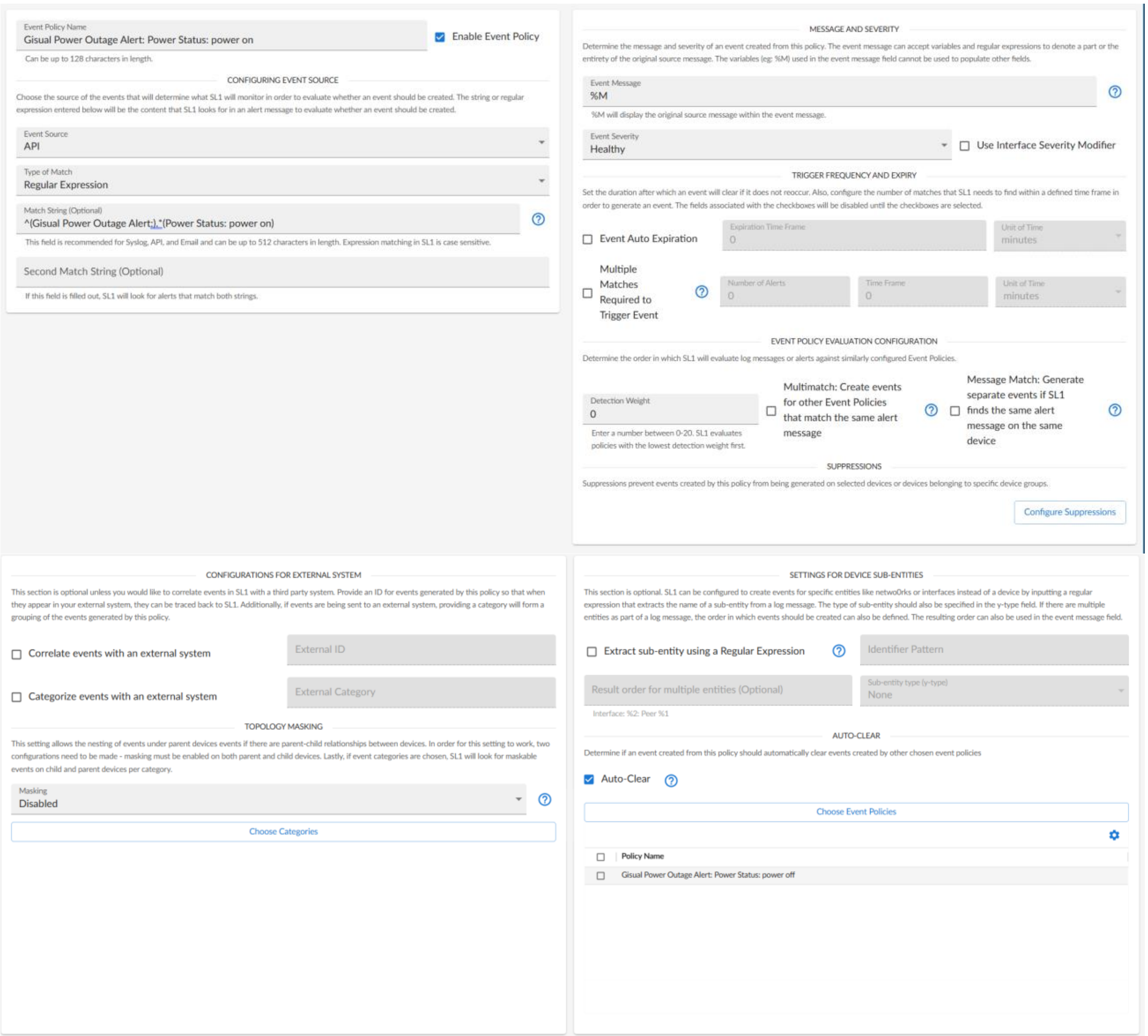
EVENT INFO

Status	Severity	ID	Event Source	Event Expiry	Multiple Alert Triggers	Detection Weight	Auto Clear	Suppressions	Topology Masking	Match String/Regex 1	Match String/Regex 2
Enabled	● Healthy	3925	API	Disabled	Disabled	0	Enabled	Disabled	Disabled	^(Gisual Power Outage Alert:).*(Power Status: power on)	-

ALERT INFO

Troubleshooting Tips and Links

Gisual Power Outage Alert: Power Status: power on - outage resolved



Event Policy Name
Gisual Power Outage Alert: Power Status: power on
☑ Enable Event Policy
Can be up to 128 characters in length.

CONFIGURING EVENT SOURCE

Choose the source of the events that will determine what SL1 will monitor in order to evaluate whether an event should be created. The string or regular expression entered below will be the content that SL1 looks for in an alert message to evaluate whether an event should be created.

Event Source
API

Type of Match
Regular Expression

Match String (Optional)
^(Gisual Power Outage Alert:).*(Power Status: power on)
This field is recommended for Syslog, API, and Email and can be up to 512 characters in length. Expression matching in SL1 is case sensitive.

Second Match String (Optional)
If this field is filled out, SL1 will look for alerts that match both strings.

MESSAGE AND SEVERITY

Determine the message and severity of an event created from this policy. The event message can accept variables and regular expressions to denote a part or the entirety of the original source message. The variables (eg: %M) used in the event message field cannot be used to populate other fields.

Event Message
%M
%M will display the original source message within the event message.

Event Severity
Healthy
☐ Use Interface Severity Modifier

TRIGGER FREQUENCY AND EXPIRY

Set the duration after which an event will clear if it does not reoccur. Also, configure the number of matches that SL1 needs to find within a defined time frame in order to generate an event. The fields associated with the checkboxes will be disabled until the checkboxes are selected.

☐ Event Auto Expiration — Expiration Time Frame: 0 — Unit of Time: minutes

☐ Multiple Matches Required to Trigger Event — Number of Alerts: 0 — Time Frame: 0 — Unit of Time: minutes

EVENT POLICY EVALUATION CONFIGURATION

Determine the order in which SL1 will evaluate log messages or alerts against similarly configured Event Policies.

Detection Weight
0
Enter a number between 0-20. SL1 evaluates policies with the lowest detection weight first.

☐ Multimatch: Create events for other Event Policies that match the same alert message

☐ Message Match: Generate separate events if SL1 finds the same alert message on the same device

SUPPRESSIONS

Suppressions prevent events created by this policy from being generated on selected devices or devices belonging to specific device groups.

Configure Suppressions

CONFIGURATIONS FOR EXTERNAL SYSTEM

This section is optional unless you would like to correlate events in SL1 with a third party system. Provide an ID for events generated by this policy so that when they appear in your external system, they can be traced back to SL1. Additionally, if events are being sent to an external system, providing a category will form a grouping of the events generated by this policy.

☐ Correlate events with an external system — External ID

☐ Categorize events with an external system — External Category

TOPOLOGY MASKING

This setting allows the nesting of events under parent devices events if there are parent-child relationships between devices. In order for this setting to work, two configurations need to be made - masking must be enabled on both parent and child devices. Lastly, if event categories are chosen, SL1 will look for maskable events on child and parent devices per category.

Masking
Disabled

Choose Categories

SETTINGS FOR DEVICE SUB-ENTITIES

This section is optional. SL1 can be configured to create events for specific entities like netwo0rks or interfaces instead of a device by inputting a regular expression that extracts the name of a sub-entity from a log message. The type of sub-entity should also be specified in the y-type field. If there are multiple entities as part of a log message, the order in which events should be created can also be defined. The resulting order can also be used in the event message field.

☐ Extract sub-entity using a Regular Expression — Identifier Pattern

Result order for multiple entities (Optional)
Interface: %2: Peer %1

Sub-entity type (y-type)
None

AUTO-CLEAR

Determine if an event created from this policy should automatically clear events created by other chosen event policies

☑ Auto-Clear

Choose Event Policies

☐	Policy Name
☐	Gisual Power Outage Alert: Power Status: power off

Bulk Adding Latitude / Longitude via GQL

Here is a simplified method of adding Latitude and Longitude to a custom attribute via GQL.

# To add latitude and longitude to Devices, using DID and GQL

```
mutation alignLatLon_did {
  deviceIDNum: alignCustomAttributes(
    type: device
    entity: 3043 # device ID change
    attributes: [
      { id: "latitude",  value: "42.43741" } #Extended Cust Attrib Lat
      { id: "longitude", value: "-94.33544" } #Extended Cust Attrib Lon

    ]
  ) { __typename }
}
```

# To verify latitude and longitude exists on devices, using DID and GQL

```
query checkLatLon {
  device(id: 339 ) {
    id
    name

    latitude: alignedAttribute(id: "latitude") {
      __typename
      ... on CustomStringAttribute {
        id
        label
        alignmentType
        index
        value
      }
    }

    longitude: alignedAttribute(id: "longitude") {
      __typename
      ... on CustomStringAttribute {
        id
        label
        alignmentType
        index
        value
      }
    }
  }
}
```

PowerPack Contents

Name	Version	Revision
Gisual Commercial Power (webhooks)	1.5	26

Event Policies

Name	Severity	Notes
Gisual Power Outage Alert: Power Status: power off	Critical	This is the initial event from Webhook we receive if Commercial Power is offline at a specific location.
Gisual Power Outage Alert: Power Status: power on	Healthy	This is the update event from Webhook we receive when Commercial Power restored. This policy auto-clears the above power off event.

Run Book Actions

Name	Notes
Gisual: Webhook Library Importer	Dummy RBA to import webhook library
Gisual: Commercial Power Status Action	This Runbook Action is aligned in the Automation Policy which "POST" to a Gisual Webhook API Endpoints and starts the Gisual workflow for power status check.

Run Book Actions Variables:

The Gisual Runbook Action has 4 variables that are configured either using the universal credential or changing the values in the Action Snippet.

```
# Gisual API Configuration Variables.

## Prod
SL1_CALLBACK_URL = 'https://webhook.company.com/api/v1/webhook/gisual'
GISUAL_TOKEN = 'Bearer 'Token-From-Gisual'
GISUAL_WEBHOOK_URL = 'https://api.gisual.com/v10/intel/wh'  # Different for
Prod/Demo
DEFAULT_TIMEOUT = 30 #seconds
ENABLE_ALERTS = 'true'  # Convert string to boolean - true/false

## Demo
SL1_CALLBACK_URL = 'https://webhook.company.com/api/v1/webhook/gisual'  #
Different for Prod/Demo
GISUAL_TOKEN = 'Bearer 'Token-From-Gisual'
GISUAL_WEBHOOK_URL = 'https://api.gisualdemo.com/v10/intel/wh'  # Different
for Prod/Demo
DEFAULT_TIMEOUT = 30 #seconds
ENABLE_ALERTS = 'true'  # Convert string to boolean - true/false


# SL1 Callback URL for webhook notifications
```

```
SL1_CALLBACK_URL = EM7_ACTION_CRED['callback_url']
GISUAL_TOKEN = 'Bearer ' + EM7_ACTION_CRED['api_token']
GISUAL_WEBHOOK_URL = EM7_ACTION_CRED['webhook_url']
DEFAULT_TIMEOUT = int(EM7_ACTION_CRED.get('cred_timeout', 30000)) / 1000.0
ENABLE_ALERTS = EM7_ACTION_CRED['enable_alerts'].lower() == 'true'  # Convert
string to boolean
```

Run Book Automation

Name	Notes
Gisual-Dummy-Env-Importer	OPTIONAL - Dummy Automation Policy, enable and run one time to import the Gisual Webhook Library to the specific message collector.
Gisual: Commercial Power Automation	REQUIRED – Aligned to Device Group: Gisual-Enabled Dynamic Alignment: Extended Attributes - latitude - longitude

Execution Environments

Name	GUID	Env Type	Lib Count
Gisual-WebhookHandler	C5FFB90E7A443E3AE6AC3B872CF0E1C4	py3	3

Sciencelogic Libraries

Name	Version	Python Version	Notes
gisual_wh	1.1.5	3.6	Gisual Webhooks Inbound Handler
silo_api_support	0.1.4	3.6	Library to access SL1 APIs
silo_apps	3.6.9	3.6	Library of tools for building Snippet Dynamic Apps

Revision History and Approvals

This section lists the revisions made to this document, revision number and revised date, that will track changing information during the project's life cycle. The approval section will list the key stakeholders who have approved the document at a certain point. If several rounds of approval are required due to changing information, it will list several rows of approvals with different dates.

Revision Number	Revision Date	Revision Description
DRAFT Rev 1.0	09/09/2025	ScienceLogic drafted initial document version for Sciencelogic Sales Engineering Team review and update.
Revision 1.1	12/12/2025	Updated with new PPK version, troubleshooting and configuration details.

Revision 1.2	01/07/2026	Fixed incorrect library name in configure webhook policy topic. Added in GQL helper snippets for adding latitudes and longitudes. Added RBA variables.
Revision 1.3	01/26/2026	Corrected the Powerpack Version.