

# Zoom Functions for SOAR

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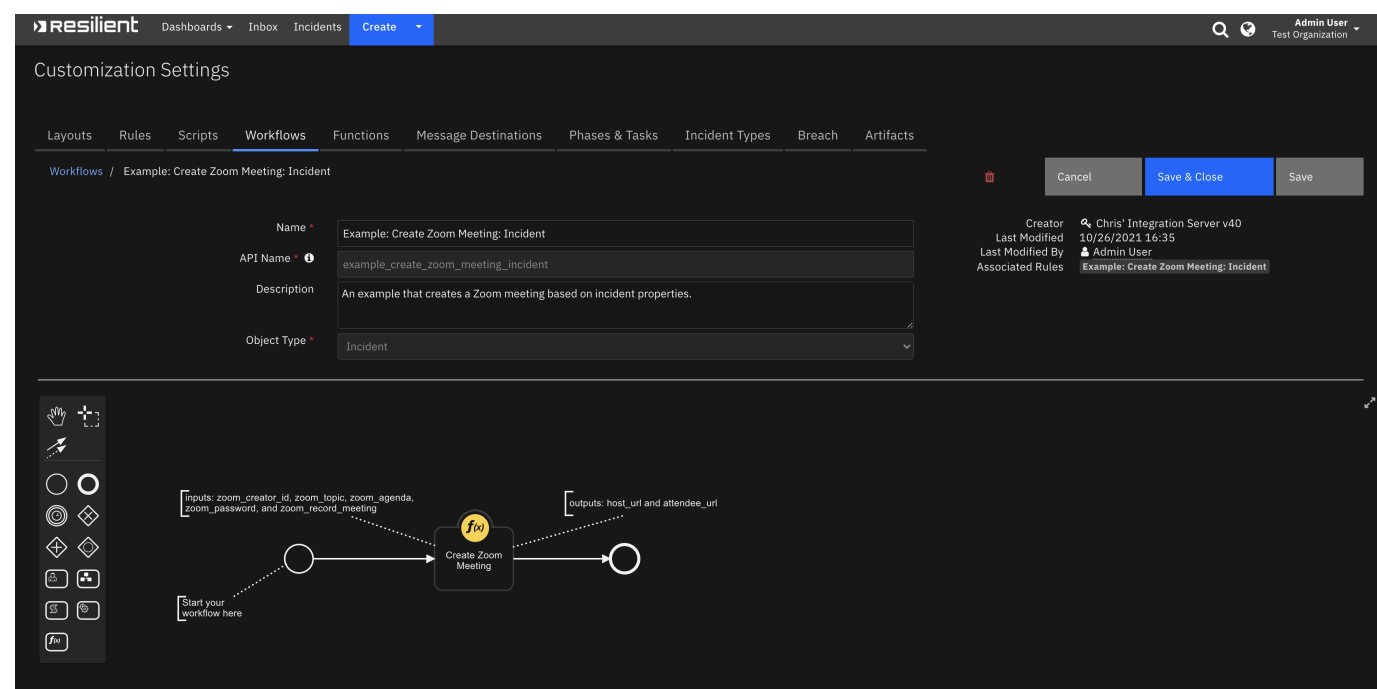
## Release Notes

Version	Date	Notes
1.0.0	09/2018	Initial Release
1.1.0	10/2021	Add App Host Support, Section header in app.config has been changed to <code>fn_create_zoom_meeting</code> , please make sure to update your app.config

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## Overview

**Resilient Circuits Components for 'fn\_create\_zoom\_meeting'**



Resilient Circuits Components for 'fn\_create\_zoom\_meeting'

Key Features

- This Resilient Function package can be used to create a Zoom meeting from a workflow using the Functions feature of the Resilient Circuits integration framework.

Requirements

Go to <https://marketplace.zoom.us/>, click the develop drop down menu and select build app. From here, choose the JWT app type and use the api key and api secret to fill out the variables in the app.config. The email variable in the app.config will be the email used for the app marketplace account.

This app supports the IBM Resilient SOAR Platform and the IBM Cloud Pak for Security.

Resilient platform

The Resilient platform supports two app deployment mechanisms, App Host and integration server.

If deploying to a Resilient platform with an App Host, the requirements are:

- Resilient platform >= 40.0.6554.
- The app is in a container-based format (available from the AppExchange as a zip file).

If deploying to a Resilient platform with an integration server, the requirements are:

- Resilient platform >= 40.0.6554.
- The app is in the older integration format (available from the AppExchange as a zip file which contains a tar.gz file).
- Integration server is running resilient\_circuits>=42.0.0.
- If using an API key account, make sure the account provides the following minimum permissions:

Name	Permissions
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Name	Permissions
Org Data	Read
Function	Read

The following Resilient platform guides provide additional information:

- *App Host Deployment Guide*: provides installation, configuration, and troubleshooting information, including proxy server settings.
- *Integration Server Guide*: provides installation, configuration, and troubleshooting information, including proxy server settings.
- *System Administrator Guide*: provides the procedure to install, configure and deploy apps.

The above guides are available on the IBM Knowledge Center at [ibm.biz/resilient-docs](https://ibm.biz/resilient-docs). On this web page, select your Resilient platform version. On the follow-on page, you can find the *App Host Deployment Guide* or *Integration Server Guide* by expanding **Resilient Apps** in the Table of Contents pane. The System Administrator Guide is available by expanding **System Administrator**.

## Cloud Pak for Security

If you are deploying to IBM Cloud Pak for Security, the requirements are:

- IBM Cloud Pak for Security  $\geq 1.7$ .
- Cloud Pak is configured with an App Host.
- The app is in a container-based format (available from the AppExchange as a [zip](#) file).

The following Cloud Pak guides provide additional information:

- *App Host Deployment Guide*: provides installation, configuration, and troubleshooting information, including proxy server settings. From the Table of Contents, select Case Management and Orchestration & Automation > **Orchestration and Automation Apps**.
- *System Administrator Guide*: provides information to install, configure, and deploy apps. From the IBM Cloud Pak for Security Knowledge Center table of contents, select Case Management and Orchestration & Automation > **System administrator**.

These guides are available on the IBM Knowledge Center at [ibm.biz/cp4s-docs](https://ibm.biz/cp4s-docs). From this web page, select your IBM Cloud Pak for Security version. From the version-specific Knowledge Center page, select Case Management and Orchestration & Automation.

## Proxy Server

The app does support a proxy server.

## Python Environment

Both Python 2.7 and Python 3.6 are supported. Additional package dependencies may exist for each of these packages:

- bs4
- pyjwt

- pytz
- resilient\_circuits>=30.0.0

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## Installation

### Install

- To install or uninstall an App or Integration on the *Resilient platform*, see the documentation at [ibm.biz/resilient-docs](https://ibm.biz/resilient-docs).
- To install or uninstall an App on *IBM Cloud Pak for Security*, see the documentation at [ibm.biz/cp4s-docs](https://ibm.biz/cp4s-docs) and follow the instructions above to navigate to Orchestration and Automation.

### App Configuration

The following table provides the settings you need to configure the app. These settings are made in the app.config file. See the documentation discussed in the Requirements section for the procedure.

Config	Required	Example	Description
zoom_api_url	Yes	<code>https://api.zoom.us/v2</code>	-
zoom_api_key	Yes	<code>&lt;zoom api key&gt;</code>	API key from the app marketplace
zoom_marketplace_account_email	Yes	<code>&lt;zoom marketplace account email&gt;</code>	Host email
zoom_api_secret	Yes	<code>&lt;zoom api secret&gt;</code>	API secret from the app marketplace
zoom_api_timezone	Yes	<code>&lt;timezone, i.e America/New_York&gt;</code>	pytz.timezone

## Function - Create Zoom Meeting

This will return a meeting URL to connect to a zoom meeting

The screenshot shows the 'Customization Settings' page in the Resilient interface. The 'Functions' tab is selected, and the specific function being edited is 'fn\_create\_zoom\_meeting'. The function details include:

- Name:** Create Zoom Meeting
- API Name:** fn\_create\_zoom\_meeting
- Message Destination:** zoom
- Description:** This will return a meeting URL to connect to a zoom meeting

Metadata on the right shows the function was created by 'Chris' Integration Server v40' on 10/26/2021 16:35, last modified by 'Admin User', and is associated with the workflow 'Example: Create Zoom Meeting: Incident'.

The 'Inputs' section lists four input fields:

- zoom\_topic
- zoom\_agenda
- zoom\_password
- zoom\_record\_meeting

The 'Input Fields' list on the right includes various fields like 'ability\_lookup\_type', 'ability\_lookup\_value', 'artifact\_file\_type', 'artifact\_id', 'attachment\_id', 'attachment\_name', 'base64content', 'content\_type', and 'description'.

### ► Inputs:

Name	Type	Required	Example	Tooltip
zoom_agenda	text	No	—	Agenda for this meeting
zoom_password	text	No	—	Meeting password
zoom_record_meeting	boolean	No	—	Check this to record the meeting
zoom_topic	text	Yes	—	Meeting topic

### ► Outputs:

```
Result: {
  'host_url': 'https://zoom.us/...',
  'attendee_url': 'https://zoom.us/j/93246004924',
  'date_created': '10/26/2021 15:12:36'
}
```

### ► Example Pre-Process Script:

```
inputs.zoom_host_email = rule.properties.zoom_host_email
inputs.zoom_topic = rule.properties.zoom_topic

inputs.zoom_password = inputs.zoom_password if
rule.properties.zoom_password is None else rule.properties.zoom_password

if rule.properties.zoom_agenda is not None:
    inputs.zoom_agenda = rule.properties.zoom_agenda
else:
    if inputs.zoom_agenda is None and incident.description is not None and
incident.description.content is not None:
```

```

inputs.zoom_agenda = incident.description.content

inputs.zoom_record_meeting = inputs.zoom_record_meeting if
rule.properties.zoom_record_meeting is None else
rule.properties.zoom_record_meeting

```

#### ► Example Post-Process Script:

```

# results:
# {
#   "host_url": "https://zoom.us/j/zak=x",
#   "attendee_url": "https://zoom.us/j/x",
#   "date_created": "01/01/1971 12:00:00"
# }
if results.host_url is not None and results.attendee_url is not None:
    host_url = results.host_url
    attendee_url = results.attendee_url

    if host_url is None:
        host_url = ""

    if attendee_url is None:
        attendee_url = ""

text = """<b>Zoom Meeting:</b>
        <b>Host URL:</b> <a href='{0}'>{0}</a>
        <b>Attendee URL:</b> <a href='{1}'>{1}
</a>""".format(results.host_url, results.attendee_url)

incident.addNote(helper.createRichText(text))

```

## Rules

Rule Name	Object	Workflow Triggered
Example: Create Zoom Meeting: Incident	incident	example_create_zoom_meeting_incident

## Troubleshooting & Support

Refer to the documentation listed in the Requirements section for troubleshooting information.

### For Support

This is a IBM Community provided App. Please search the Community <https://ibm.biz/resilientcommunity> for assistance.