

# fn-pa-panorama Functions for IBM Resilient

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## Release Notes

v1.0.0

- App Host support

v1.0.0

- Initial Release

## Overview

### Resilient Circuits Components to Integrate with the Panorama Platform

Resilient

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Simulations

Incidents

Create

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Customization Settings

Layouts

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Scripts

Workflows

Functions

Message Destinations

Phases & Tasks

Incident Types

Breach

Artifacts

Functions

New Function

Panorama

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Name	Description	
<a href="#">Panorama Create Address</a>	Creates a new address object in Panorama.	
<a href="#">Panorama Edit Address Group</a>	Edits an address group in Panorama.	
<a href="#">Panorama Edit Users in a Group</a>	Edits users in a group in Panorama.	
<a href="#">Panorama Get Address Groups</a>	List address groups in Panorama.	
<a href="#">Panorama Get Addresses</a>	List addresses in Panorama.	
<a href="#">Panorama Get Users in a Group</a>	Lists users part of a group in Panorama.	

Contains Functions to get and edit addresses groups, get and create addresses, and get and edit users in a group within Panorama.

## Requirements

- IBM Resilient >= **v35.2**
- An App Host paired with Resilient or an Integration Server running **resilient\_circuits>=30.0.0**
  - To setup and pair an App Host with Resilient, visit the [IBM Knowledge Center](#)
  - To setup an Integration Server see: [ibm.biz/res-int-server-guide](https://ibm.biz/res-int-server-guide)
- **resilient-lib>32.0.140**
- Panorama **9.0**

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## Installation

### App Host

All the components for running this integration in a container already exist when using the App Host app.

To install,

- Navigate to Administrative Settings and then the Apps tab.
- Click the Install button and select the downloaded file: app-fn\_pa\_panorama-x.x.x.zip.
- Go to the Configuration tab and edit the app.config file, editing the API key for Panorama and making any additional setting changes.

Config	Required	Example	Description
<b>panorama_host</b>	Yes	<b><a href="#">https://0.0.0.0</a></b>	<i>The location where your Panorama software is running.</i>
<b>api_key</b>	Yes	<b><a href="#">&lt;Panorama_api_key&gt;</a></b>	<i>API key generated in the step above</i>
<b>cert</b>	Yes	<b><a href="#">[True/False]</a></b>	<i>True or False</i>
<b>http_proxy</b>	No	<b><a href="#">http://0.0.0.0:3128</a></b>	<i>Optional http proxy</i>
<b>https_proxy</b>	No	<b><a href="#">http://0.0.0.0:3128</a></b>	<i>Optional https proxy</i>

### Integration Sever

- Download the **[fn\\_pa\\_panorama.zip](#)**.
- Copy the **.zip** to your Integration Server and SSH into it.
- **Unzip** the package:

```
$ unzip fn_pa_panorama-x.x.x.zip
```

- **Change Directory** into the unzipped Directory:

```
$ cd fn_pa_panorama-x.x.x
```

- **Install** the package:

```
$ pip install fn_pa_panorama-x.x.x.tar.gz
```

- Import the **configurations** into your app.config file:

```
$ resilient-circuits config -u
```

- Import the fn\_pa\_panorama **customizations** into the Resilient platform:

```
$ resilient-circuits customize -y -l fn-pa-panorama
```

- Generate the API key for Panorama:

```
curl -X GET 'https://<server_ip>/api/?type=keygen&user=<your_username>&password=<your_password>' -k
```

- Open the config file, scroll to the bottom and edit your fn\_pa\_panorama **configurations**:

```
$ nano ~/.resilient/app.config
```

Config	Required	Example	Description
<b>panorama_host</b>	Yes	<a href="https://0.0.0.0">https://0.0.0.0</a>	The location where your Panorama software is running.
<b>api_key</b>	Yes	<Panorama_api_key>	API key generated in the step above
<b>cert</b>	Yes	[True/False]	True or False
<b>http_proxy</b>	No	<a href="http://0.0.0.0:3128">http://0.0.0.0:3128</a>	Optional http proxy
<b>https_proxy</b>	No	<a href="http://0.0.0.0:3128">http://0.0.0.0:3128</a>	Optional https proxy

- **Save** and **Close** the app.config file.
- [Optional]: Run selftest to test the Integration you configured:

```
$ resilient-circuits selftest -l fn-pa-panorama
```

- **Run** resilient-circuits or restart the Service on Windows/Linux:

```
$ resilient-circuits run
```

## Uninstall

- SSH into your Integration Server.
- **Uninstall** the package:

```
$ pip uninstall fn-pa-panorama
```

- Open the config file, scroll to the `[fn_pa_panorama]` section and remove the section or prefix `#` to comment out the section.
  - **Save** and **Close** the app.config file.
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## Troubleshooting

There are several ways to verify the successful operation of a function.

### Resilient Action Status

- When viewing an incident, use the Actions menu to view **Action Status**.
- By default, pending and errors are displayed.
- Modify the filter for actions to also show Completed actions.
- Clicking on an action displays additional information on the progress made or what error occurred.

### Resilient Scripting Log

- A separate log file is available to review scripting errors.
- This is useful when issues occur in the pre-processing or post-processing scripts.
- The default location for this log file is: `/var/log/resilient-scripting/resilient-scripting.log`.

### Resilient Logs

- By default, Resilient logs are retained at `/usr/share/co3/logs`.
- The `client.log` may contain additional information regarding the execution of functions.

### Resilient-Circuits

- The log is controlled in the `.resilient/app.config` file under the section `[resilient]` and the property `logdir`.
  - The default file name is `app.log`.
  - Each function will create progress information.
  - Failures will show up as errors and may contain python trace statements.
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## Support

Name	Version	Author	Support URL
fn_pa_panorama	1.0.1	IBM Resilient	<a href="http://ibm.biz/resilientcommunity">http://ibm.biz/resilientcommunity</a>