# fn-pa-panorama Functions for IBM Resilient

- Release Notes
- Overview
- Requirements
- Installation
- Uninstall
- Troubleshooting
- Support

## Release Notes

#### v1.0.0

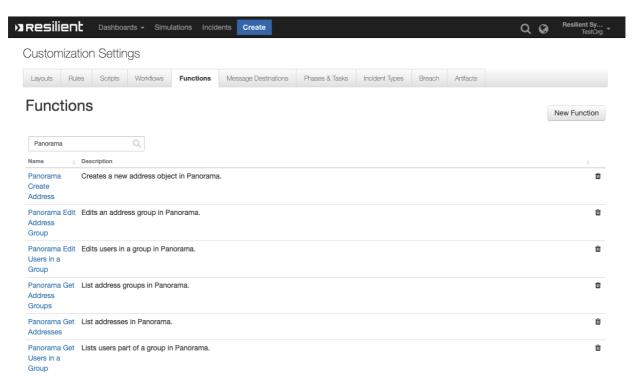
· App Host support

#### v1.0.0

Initial Release

### Overview

## Resilient Circuits Components to Integrate with the Panorama Platform



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
- resilient-lib>32.0.140
- Panorama 9.0

## 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
panorama_host	Yes	https://0.0.0.0	The location where your Panorama software is running.
api_key	Yes	<panorama_api_key></panorama_api_key>	API key generated in the step above
cert	Yes	[True/False]	True or False
http_proxy	No	http://0.0.0.0:3128	Optional http proxy
https_proxy	No	http://0.0.0.0:3128	Optional https proxy

### **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
panorama_host	Yes	https://0.0.0.0	The location where your Panorama software is running.
api_key	Yes	<panorama_api_key></panorama_api_key>	API key generated in the step above
cert	Yes	[True/False]	True or False
http_proxy	No	http://0.0.0.0:3128	Optional http proxy
https_proxy	No	http://0.0.0.0:3128	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.

## **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.

## Support

Name	Version	Author	Support URL
fn_pa_panorama	1.0.1	IBM Resilient	http://ibm.biz/resilientcommunity