fn-pa-panorama Functions for IBM Resilient

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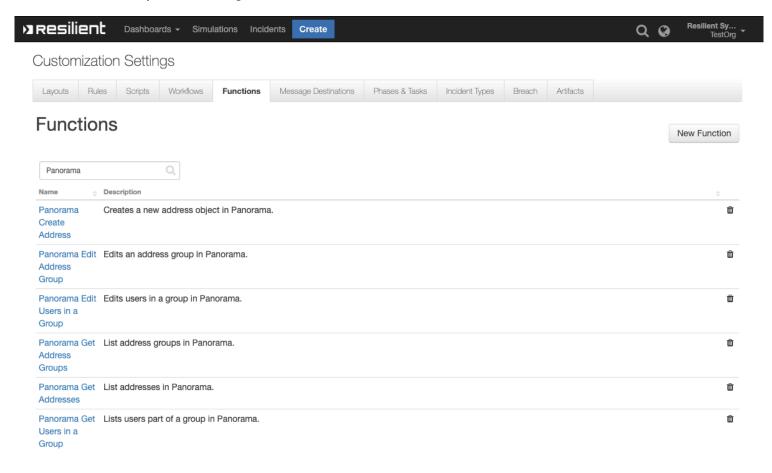- [Troubleshooting](#)
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Release Notes

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 >= `v31.0.4254`
- An Integration Server running `resilient_circuits>=30.0.0`

    - To setup an Integration Server see: ibm.biz/res-int-server-guide

- `resilient-lib>32.0.140`
- Panorama `9.0`

Installation

- 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://9.70.194.108/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>`	*API key generated in the step above*
cert	Yes	`[True/False]`	*True or False*

- **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	1.0.0	IBM Resilient	https://github.com/ibmresilient/resilient-community-apps