fn-ansible-tower Functions for IBM Resilient

Release Notes

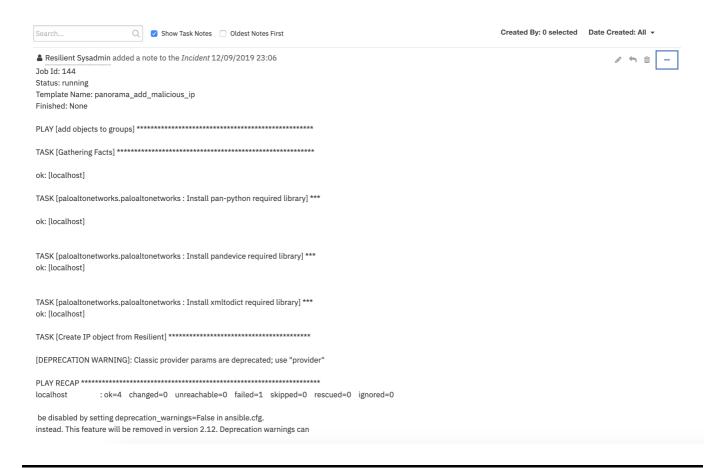| Release	Date	Notes
v1.0.3	6/2021	Bug fix to handle results data.
v1.0.2	2/2021	Bug fix for paged results from templates, jobs, etc.
v1.0.1	12/2020	App Host support
v1.0.0	2/2020	Initial release

Overview

Resilient Circuits Components for 'fn_ansible_tower'

This integration provides the capability to execute jobs and return job results from Ansible Tower.

Specific features include:

- List Job Templates filtering by Project
- Execute Job Templates, specifying name/value pairs for job template substitution
- Execute ad-hoc Jobs, specifying name/value pairs for module parameters
- List Jobs run filtered by status or date
- Return Job run results

| Search... | 🔍 | ☑ Show Task Notes | ☐ Oldest Notes First | | Created By: 0 selected | Date Created: All ▾ |

👤 **Resilient Sysadmin** added a note to the *Incident* 12/09/2019 23:06   ✏ ↩ 🗑 **···**

Job Id: 144
Status: running
Template Name: panorama_add_malicious_ip
Finished: None

PLAY [add objects to groups] **

TASK [Gathering Facts] ***

ok: [localhost]

TASK [paloaltonetworks.paloaltonetworks : Install pan-python required library] ***

ok: [localhost]

TASK [paloaltonetworks.paloaltonetworks : Install pandevice required library] ***
ok: [localhost]

TASK [paloaltonetworks.paloaltonetworks : Install xmltodict required library] ***
ok: [localhost]

TASK [Create IP object from Resilient] ***

[DEPRECATION WARNING]: Classic provider params are deprecated; use "provider"

PLAY RECAP ***
localhost   : ok=4   changed=0   unreachable=0   failed=1   skipped=0   rescued=0   ignored=0

 be disabled by setting deprecation_warnings=False in ansible.cfg.
instead. This feature will be removed in version 2.12. Deprecation warnings can

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Requirements

- Resilient platform >= `v36.0`
- An Integration Server running `resilient_circuits>=30.0.0`
  - To set up an Integration Server see: ibm.biz/res-int-server-guide

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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_ansible_tower-x.x.x.zip.

- Go to the Configuration tab and edit the app.config file, editing the url, access credentials, etc.

Config	Required	Example	Description
username	Yes	``	*User name for API access to Ansible Tower*
password	Yes	``	*Password for above user name*
url	Yes	``	*URL to Ansible Tower*

Config	Required	Example	Description
cafile	Yes	False	*False for no SSL certificate verification or path to certificate file*

Integration Server

- Download the app-fn_ansible_tower-x.x.x.zip.

- Copy the .zip to your Integration Server and SSH into it.

- **Unzip** the package:

  ```
  $ unzip app-fn_ansible_tower-x.x.x.zip
  ```

- **Install** the package:

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

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

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

- Import the fn_ansible_tower **customizations** into the Resilient platform:

  ```
  $ resilient-circuits customize -y -l fn-ansible-tower
  ```

- Open the config file, scroll to the bottom and edit your fn_ansible_tower configurations:

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

Config	Required	Example	Description
username	Yes	``	*User name for API access to Ansible Tower*
password	Yes	``	*Password for above user name*
url	Yes	``	*URL to Ansible Tower*
cafile	Yes	False	*False for no SSL certificate verification or path to certificate file*

- **Save** and **Close** the app.config file.

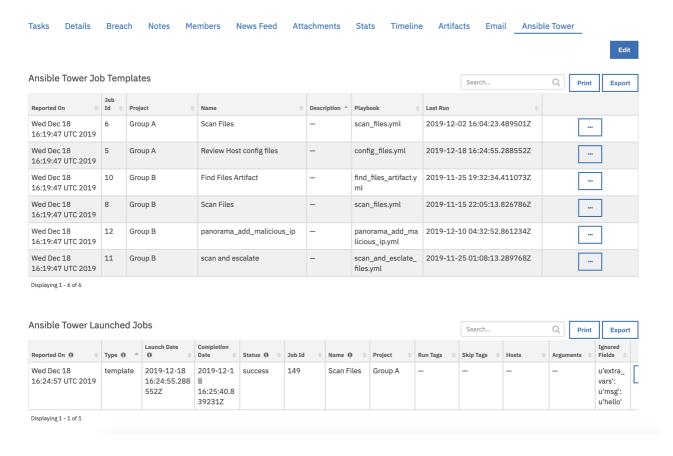- [Optional]: Run selftest to test the Integration you configured:

```
$ resilient-circuits selftest -l fn-ansible-tower
```

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

```
$ resilient-circuits run
```

Custom Layouts

- Import the Data Tables like the screenshot below:

Uninstall

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

```
$ pip uninstall fn-ansible-tower
```

- Open the config file, scroll to the [fn_ansible_tower] 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.

Configure Ansible Tower

No additional configuration is requirement for Ansible Tower.

Support

Name	Version	Author	Support Email
fn_ansible_tower	1.0.0	IBM Resilient	support@resilientsystems.com