

# fn-ansible-tower Functions for IBM Resilient

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## Release Notes

### v1.0.1

- App Host Support

### v1.0.0

- 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 xmlltodict 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

## 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](https://ibm.biz/res-int-server-guide)

## 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
<b>cafile</b>	Yes	<b>False</b>	<i>False for no SSL certificate verification or path to certificate file</i>

## 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
<b>username</b>	Yes	<b>``</b>	<i>User name for API access to Ansible Tower</i>
<b>password</b>	Yes	<b>``</b>	<i>Password for above user name</i>
<b>url</b>	Yes	<b>``</b>	<i>URL to Ansible Tower</i>
<b>cafile</b>	Yes	<b>False</b>	<i>False for no SSL certificate verification or path to certificate file</i>

- **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:

Tasks

Details

Breach

Notes

Members

News Feed

Attachments

Stats

Timeline

Artifacts

Email

Ansible Tower

Edit

Ansible Tower Job Templates

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Reported On	Job Id	Project	Name	Description	Playbook	Last Run	
Wed Dec 18 16:19:47 UTC 2019	6	Group A	Scan Files	—	scan_files.yml	2019-12-02 16:04:23.489501Z	...
Wed Dec 18 16:19:47 UTC 2019	5	Group A	Review Host config files	—	config_files.yml	2019-12-18 16:24:55.288552Z	...
Wed Dec 18 16:19:47 UTC 2019	10	Group B	Find Files Artifact	—	find_files_artifact.yml	2019-11-25 19:32:34.411073Z	...
Wed Dec 18 16:19:47 UTC 2019	8	Group B	Scan Files	—	scan_files.yml	2019-11-15 22:05:13.826786Z	...
Wed Dec 18 16:19:47 UTC 2019	12	Group B	panorama_add_malicious_ip	—	panorama_add_malicious_ip.yml	2019-12-10 04:32:52.861234Z	...
Wed Dec 18 16:19:47 UTC 2019	11	Group B	scan and escalate	—	scan_and_esclate_files.yml	2019-11-25 01:08:13.289768Z	...

Displaying 1 - 6 of 6

Ansible Tower Launched Jobs

Search...

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Export

Reported On	Type	Launch Date	Completion Date	Status	Job Id	Name	Project	Run Tags	Skip Tags	Hosts	Arguments	Ignored Fields
Wed Dec 18 16:24:57 UTC 2019	template	2019-12-18 16:24:55.288552Z	2019-12-18 16:25:40.839231Z	success	149	Scan Files	Group A	—	—	—	—	u'extra_vars': u'msg': u'hello'

Displaying 1 - 1 of 1

## 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.

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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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## Configure Ansible Tower

No additional configuration is requirement for Ansible Tower.

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## Support

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