fn-ansible-tower Functions for IBM Resilient

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Release Notes

Date	Notes
2/2021	Bug fix for paged results from templates, jobs, etc.
12/2020	App Host support
2/2020	Initial release
	2/2021

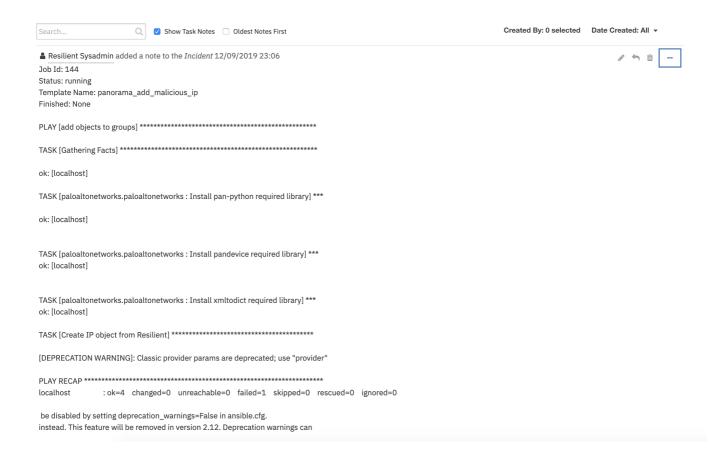
Overview

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



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

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	

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:

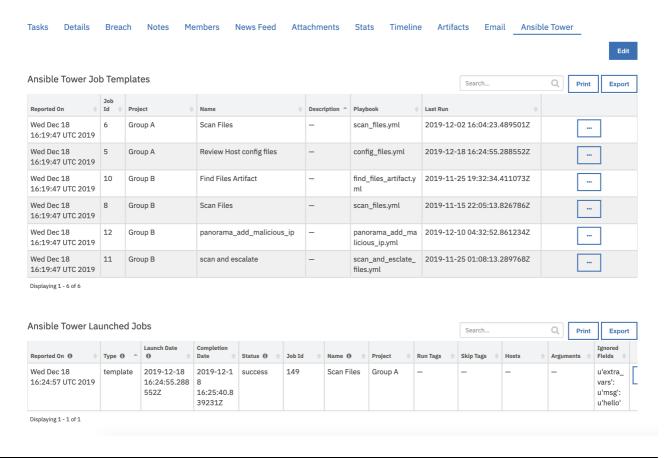
```
$ resilient-circuits selftest -l fn-ansible-tower
```

• 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