

fn-cloud-foundry Functions for IBM Resilient

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Release Notes

v1.0.1

- App Host Support
- Proxy Support

v1.0.0

- Initial Release
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Overview

Resilient Circuits Components for 'fn_cloud_foundry'

This Resilient function interacts with Cloud Foundry platforms to allow the a Resilient user to manage deployed applications, their instances, and deploy new applications. Managing applications includes: starting/stopping, updating, re-staging, deleting, and getting various types of information about them. This package implements these actions in 3 functions, 3 example workflows and 3 example rules. This package is a wrapper around Cloud Foundry's API with possibilities to be adjusted for different platform providers.

Requirements

- Resilient platform >= **v36.2.76**
 - An Integration Server running **resilient_circuits>=34.0.0**
 - To set up an Integration Server see: ibm.biz/res-int-server-guide
 - If using API Keys, minimum required permissions are:
 - Org Data: Read, Edit
 - Function: Read
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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 onto the Resilient platform,

- Navigate to Administrative Settings and then the Apps tab.
- Click the Install button and select the downloaded file: app-fn_cloud_foundry-x.x.x.zip.
- Go to the Configuration tab and edit the app.config file, editing the API information for Cloud Foundry and making any additional setting changes.

Config	Required	Example	Description
cf_api_base	Yes	https://api.ng.bluemix.net/	Base URL for the desired CF cloud provider
cf_api_apikey	Yes	<your_api_key>	Cloud Foundry API key
cf_api_username	Yes	<username>	Cloud Foundry username
cf_api_password	Yes	<password>	Cloud Foundry password
http_proxy	No	http://proxy.domain:3128	Optional proxy setting
https_proxy	No	https://proxy.domain:3128	Optional proxy setting

Integration Server

- Download the [fn_cloud_foundry.zip](#).
- Copy the [.zip](#) to your Integration Server and SSH into it.
- **Unzip** the package:

```
$ unzip fn_cloud_foundry-x.x.x.zip
```

- **Change Directory** into the unzipped directory:

```
$ cd fn_cloud_foundry-x.x.x
```

- **Install** the package:

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

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

```
$ resilient-circuits config -u -l fn-cloud-foundry
```

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

```
$ resilient-circuits customize -y -l fn-cloud-foundry
```

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

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

Config	Required	Example	Description
cf_api_base	Yes	https://api.ng.bluemix.net/	Base URL for the desired CF cloud provider
cf_api_apikey	Yes	<your_api_key>	Cloud Foundry API key
cf_api_username	Yes	<username>	Cloud Foundry username
cf_api_password	Yes	<password>	Cloud Foundry password
http_proxy	No	http://proxy.domain:3128	Optional proxy setting
https_proxy	No	https://proxy.domain:3128	Optional proxy setting

- **Save** and **Close** the app.config file.
- [Optional]: Run selftest to test the Integration you configured:

```
$ resilient-circuits selftest -l fn-cloud-foundry
```

- **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-cloud-foundry
```

- Open the config file, scroll to the [fn_cloud_foundry] 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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Support

Name	Version	Author	Support URL
fn_cloud_foundry	1.0.1	IBM Resilient	https://ibm.com/mysupport