Add New Incident Type

-This project lets you run a script that adds new functionality to the Resilient UI.
- This integration
    - A component for a “resilient circuits” framework
    - A fragment of a configuration file

Project Overview

The project runs as a standalone Python application. When this application starts, it connects to the Resilient platform and starts listening for actions. If the add_new_incident action is invoked then the application locates the script and runs it. When the script is run a new functionality is added to the Resilient UI. After running the script, the user will be able to create a new incident type and have it be saved to the incident from the New Incident page, rather then Customization Settings.

Installation

Install the project onto a Windows or Unix machine. This machine requires

- Python version 2.7.6 or later
- Network access to the Resilient appliance via ports 443 and 65001
- Resilient Systems application version 24 or later, with Action Module.

Python Libraries

You must install several Python libraries that are required by the application.
First, install the “co3” module, which is the Resilient Systems REST API client library for Python; and the “resilient_circuits” module, which is the Resilient action module application framework for Python. You must also install the Add_Inc library.

Follow the installation instructions here:

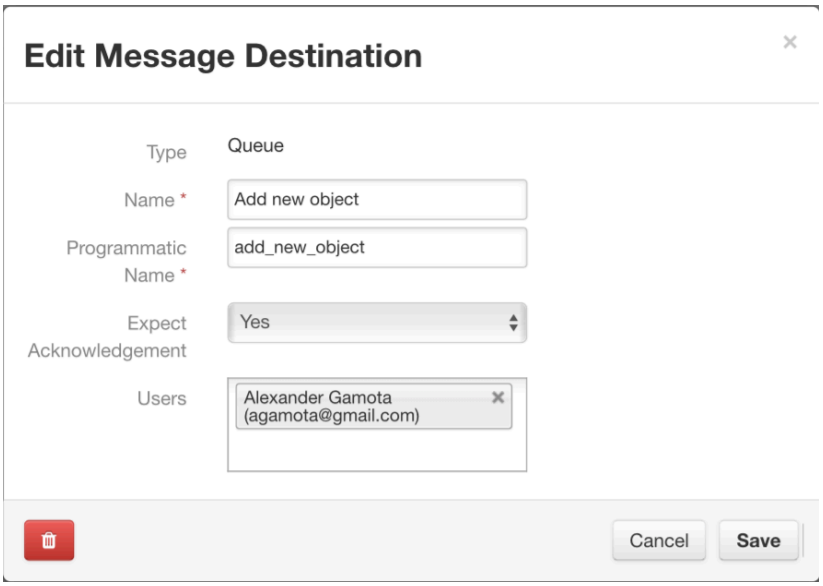
```
https://github.com/Co3Systems/co3-api/tree/master/python
```

Basic Configuration

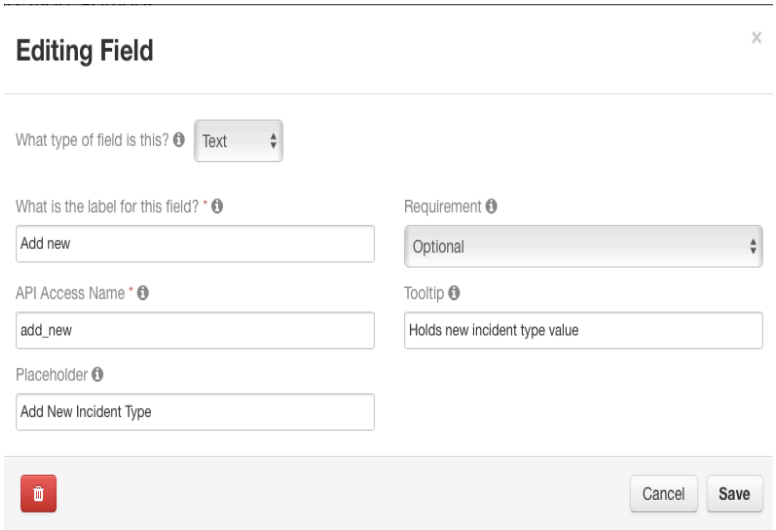
First, edit the “app.config” file and edit the values needed to connect to your Resilient server. You only need to edit: hostname, email, password, & org values.

UI Configuration

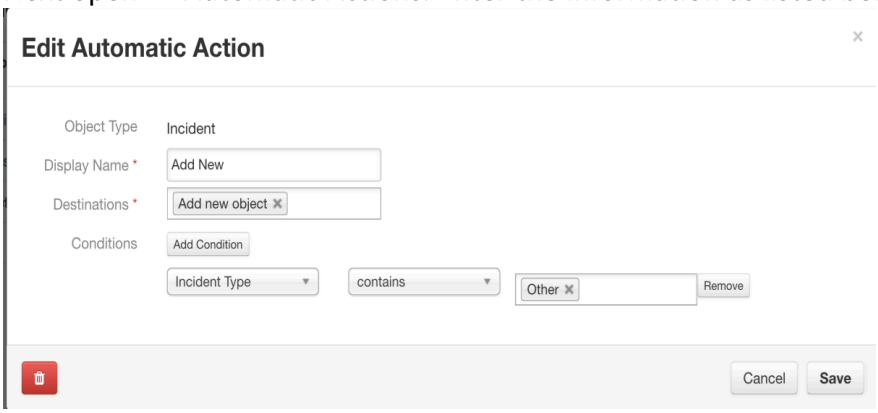
To run the auto_add_new_inc_types script to Resilient you must configure the UI as follows:
In Resilient, open Customization Settings → Actions → Message Destinations.
Click on Message Destinations and copy the fields below except Users. Enter your API user account to the Users list for this message destination:



Next open → Action Fields. Enter the information as below. Tooltip and Placeholder don't have to be the same as below.



Next open → Automatic Actions. Enter the information as listed below.



Running the Application

Follow the configuration instructions from Basic Configuration to set appropriate values into the "app.config" file.
Add the auto_add_new_inc_type.py file to the components folder.

Access the shell runner directory.
Then append the app.config.fragment to the app.config file by using:

```
cat app.config.fragment >> app.config
```

Then, start the application, using:

```
python run.py
```

You might be asked to enter your email and server:

```
python run.py --email example@site.com --host hostname
```

If ran successfully you should expect the following code:

```
INFO app.py Configuration file is app.config
INFO connectionpool.py Starting new HTTPS connection (1): resilient
INFO app.py App Started
INFO actions_component.py STOMP connected
INFO actions_component.py Component <Shell/actions.shell 51251:MainThread
(queued=0) [S]> registered to actions.shell
INFO actions_component.py Subscribe to 'shell'
INFO component_loader.py Loaded component 'auto_add_new_inc_type.py'
INFO app.py Components loaded
```

On Windows, the application can be configured to run as a service; instructions are not included here, but are available on request.

Configuration

The default behavior above only requires that you

- Configure the action, using the administration UI. (Listed under UI configuration)
- Deploy the auto_add_new_inc_type.py file to the components file of the repository.

The "[framework_section]" section of the config file has:

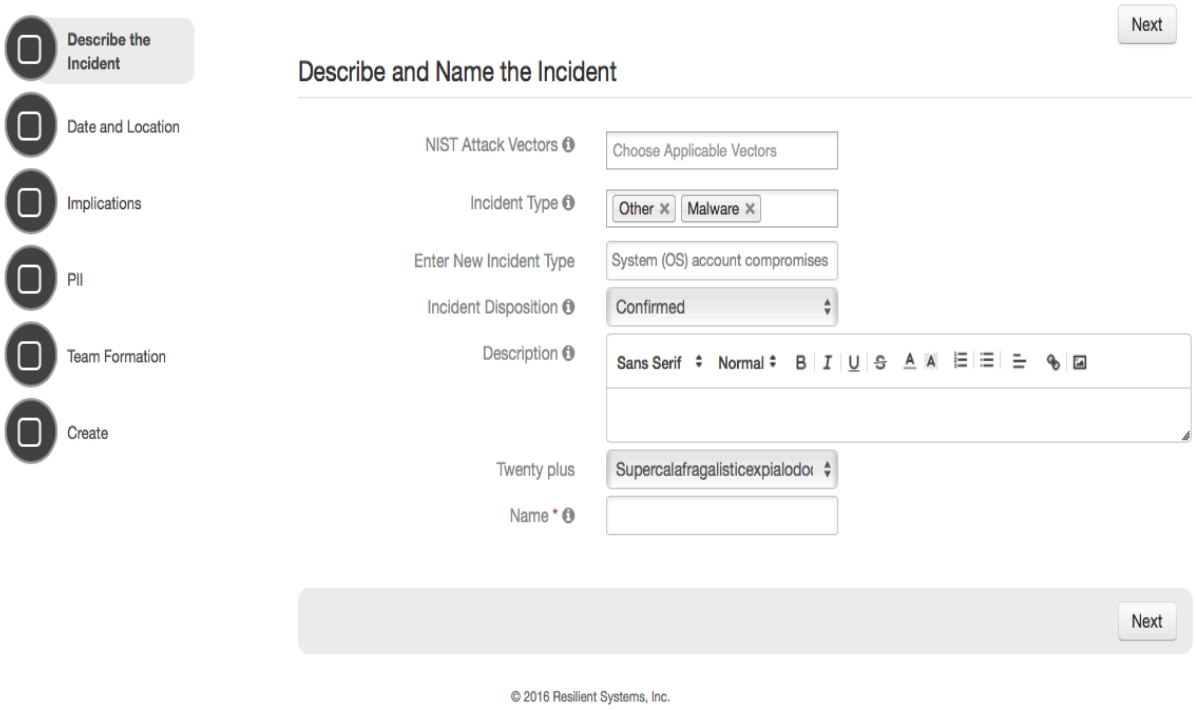
```
# ---------------------------------------------------------------------------
# The 'framework_section' action component
# ---------------------------------------------------------------------------
[framework_section]
queue=add_new_object
```

This creates the default behavior described above:

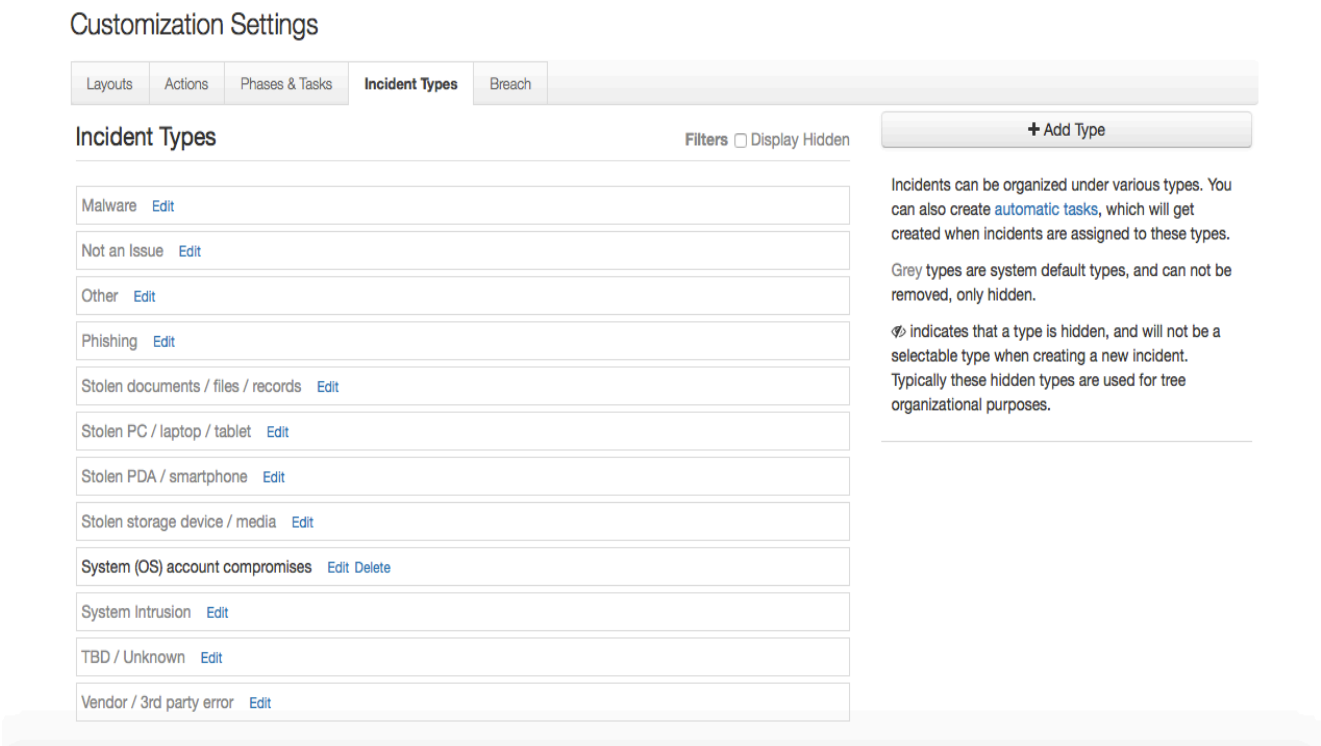
- Listens to actions on the message destination (queue) named "add_new_object"
- For that action, the script "auto_add_new_inc_type" is executed, passing the artifact value as a command- line parameter

Examples:

If configured successfully, you will get functionality that resembles the below images:



*When other is selected the Enter New Incident Type Window opens prompting entry.



*After the incident is created, the 'System (OS) account compromises' type is saved under Incident Types

Example

Actions

Summary

ID	5450
Phase	Engage
Severity	Low
Date Created	07/27/2016
Date Occurr...	–
Date Discov...	07/27/2016
Data Compr...	Unknown
Incident Type	Malware, Other, System (OS) account co...

People

Created By	Alexander Gamota
Owner	Alexander Gamota
Members	*There are no members.*

Related Incidents

No related incidents.

Description

No description.

Tasks | **Details** | Breach | Notes | Members | News Feed | Attachments | Stats | Timeline | Artifacts

Details

Edit

Basic Details

Name	Example
Twenty plus	Supercalafragalisticexpialodocious
Description	–
Incident Type	Malware, Other, System (OS) account compromises
NIST Attack Vectors	–
Incident Disposition	Confirmed
Phase	Engage
Resolution	–
Resolution Summary	–
Owner	Alexander Gamota
Created By	Alexander Gamota

*The 'System (OS) account compromises' type is saved under the incidents Incident Type field.