Resilient Integration with WHOIS

This package contains one function which provides enrichment information about a domains WHOIS information. Takes in an input of an IP address or URL and then queries for WHOIS info related to this input. Results are saved in a rich text note.

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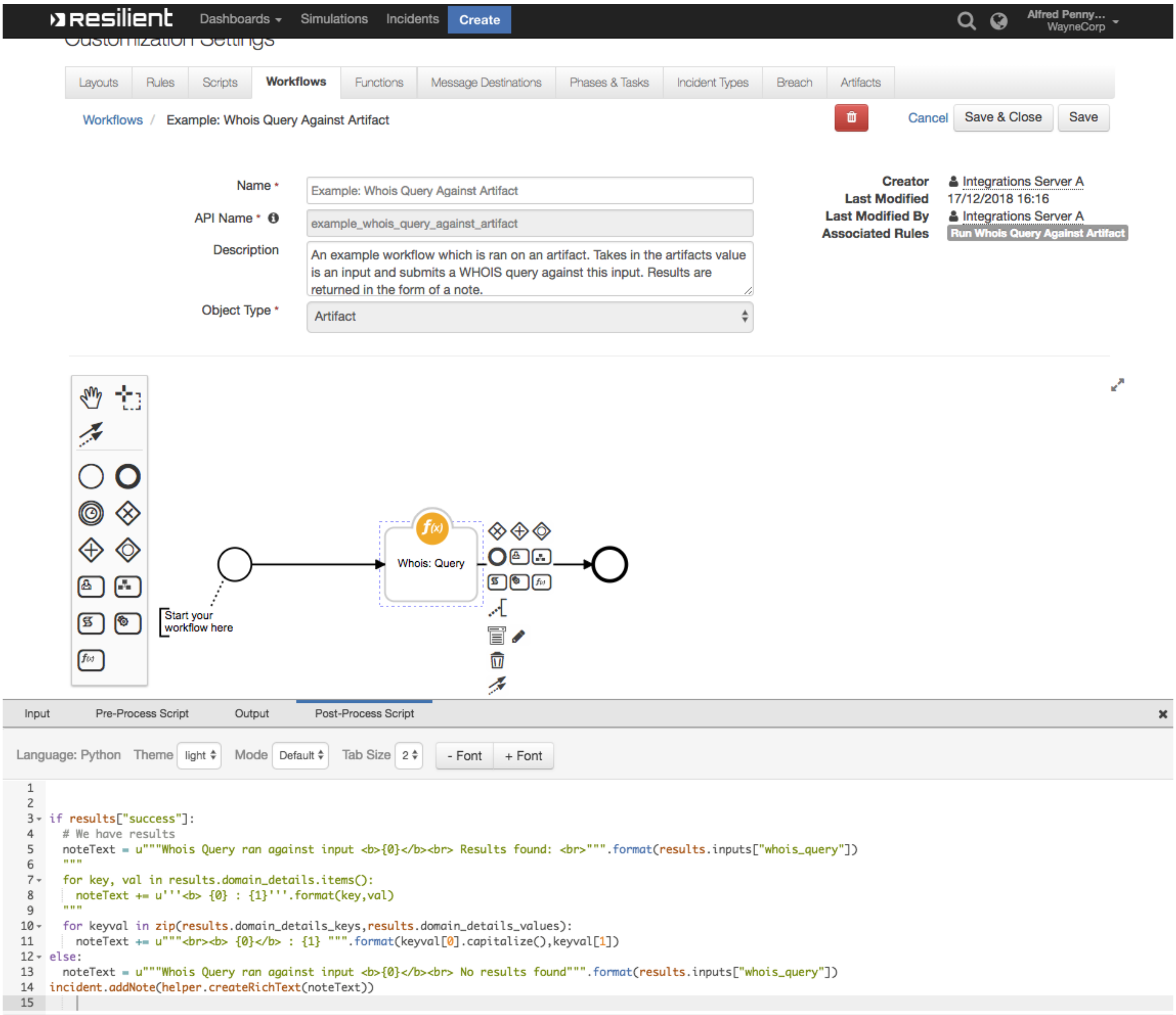

Workflows / Example: Whois Query Against Artifact

Name * Example: Whois Query Against Artifact

API Name * example_whois_query_against_artifact

Description An example workflow which is ran on an artifact. Takes in the artifacts value is an input and submits a WHOIS query against this input. Results are returned in the form of a note.

Object Type * Artifact

Creator Integrations Server A

Last Modified 17/12/2018 16:16

Last Modified By Integrations Server A

Associated Rules Run Whois Query Against Artifact

Language: Python Theme light Mode Default Tab Size 2

```python


if results["success"]:
  # We have results
  noteText = u"""Whois Query ran against input <b>{0}</b><br> Results found: <br>""".format(results.inputs["whois_query"])
  """
  for key, val in results.domain_details.items():
    noteText += u'''<b> {0} : {1}'''.format(key,val)
  """
  for keyval in zip(results.domain_details_keys,results.domain_details_values):
    noteText += u"""<br><b> {0}</b> : {1} """.format(keyval[0].capitalize(),keyval[1])
else:
  noteText = u"""Whois Query ran against input <b>{0}</b><br> No results found""".format(results.inputs["whois_query"])
incident.addNote(helper.createRichText(noteText))

```

app.config settings:

If you wish to use the integration with a proxy, this will need to be set in the app.config, otherwise no config values are needed.

```
whois_https_proxy=http://0.0.0.0:3128/
```

Function Inputs:

Function Name	Type	Required	Example
`whois_query`	`String`	Yes	`'https://www.ibm.com'`

Function Output:

```
results = {
    'inputs': {'whois_query': 'https://www.ibm.com'},
    'success': True,
    'domain_details': {'creation_date': '03/19/1986',
                       'expiration_date': '03/20/2019',
                       'last_updated': '09/18/2018',
                       'name': 'ibm.com',
                       'name_servers': ['ns1-206.akam.net',
                                        'usc3.akam.net',
                                        'eur5.akam.net',
                                        'asia3.akam.net',
                                        'usc2.akam.net',
                                        'usw2.akam.net',
                                        'ns1-99.akam.net',
                                        'eur2.akam.net'],
                       'registrar': 'CSC Corporate Domains, Inc.'},
    'domain_details_keys': ['name',
                            'registrar',
                            'creation_date',
                            'expiration_date',
                            'last_updated',
                            'name_servers'],
    'domain_details_values': ['ibm.com',
                              'CSC Corporate Domains, Inc.',
                              '03/19/1986',
                              '03/20/2019',
                              '09/18/2018',
                              ['ns1-206.akam.net',
                               'usc3.akam.net',
                               'eur5.akam.net',
                               'asia3.akam.net',
                               'usc2.akam.net',
                               'usw2.akam.net',
                               'ns1-99.akam.net',
                               'eur2.akam.net']]
```

```
  }
```

Pre-Process Script:

```
inputs.whois_query = artifact.value
```

Post-Process Script:

This example **adds a Note to the Incident.**

```
if results["success"]:
  # We have results
  noteText = u"""Whois Query ran against input <b>{0}</b><br> Results
found: <br>""".format(results.inputs["whois_query"])
  """
  for key, val in results.domain_details.items():
    noteText += u'''<b> {0} : {1}'''.format(key,val)
  """
  for keyval in
zip(results.domain_details_keys,results.domain_details_values):
    noteText += u"""<br><b> {0}</b> : {1}
""".format(keyval[0].capitalize(),keyval[1])
else:
  noteText = u"""Whois Query ran against input <b>{0}</b><br> No results
found""".format(results.inputs["whois_query"])
incident.addNote(helper.createRichText(noteText))
```

Rules

Rule Name	Object Type	Workflow Triggered
Run Whois Query Against Artifact	`Artifact`	`Example: Whois Query Against Artifact`