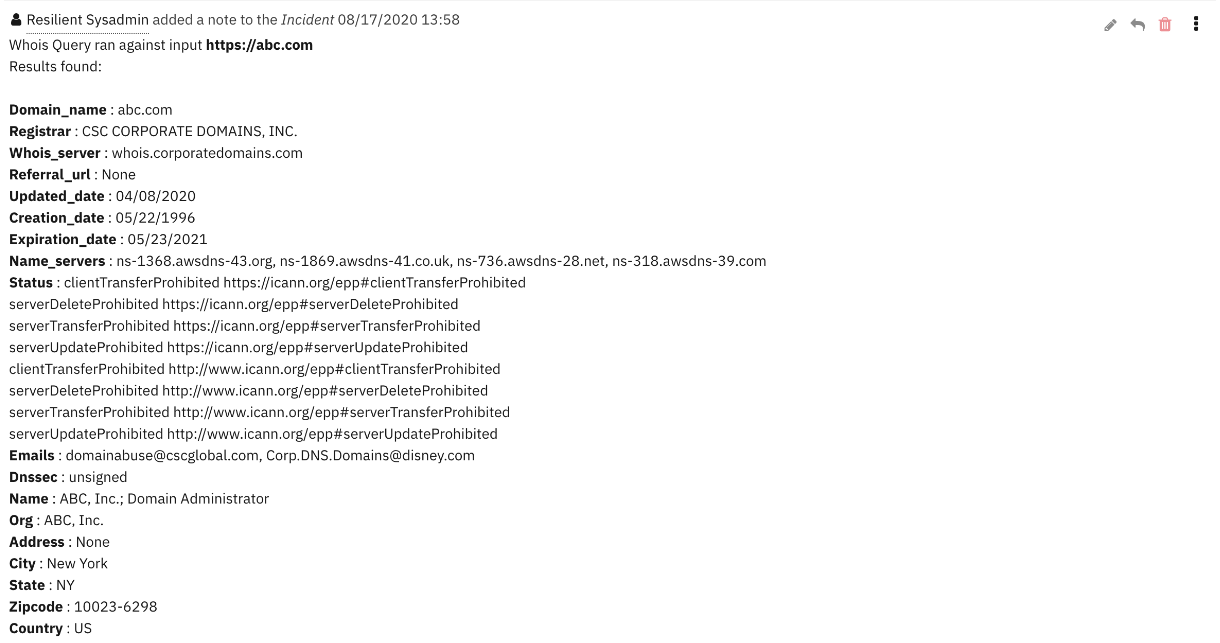
Resilient Integration with WHOIS

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.

Table of Contents

History

Version	Comment
1.2	Example rule support for DNS names, IP addresses and data presentation changes
1.1	App Host support added

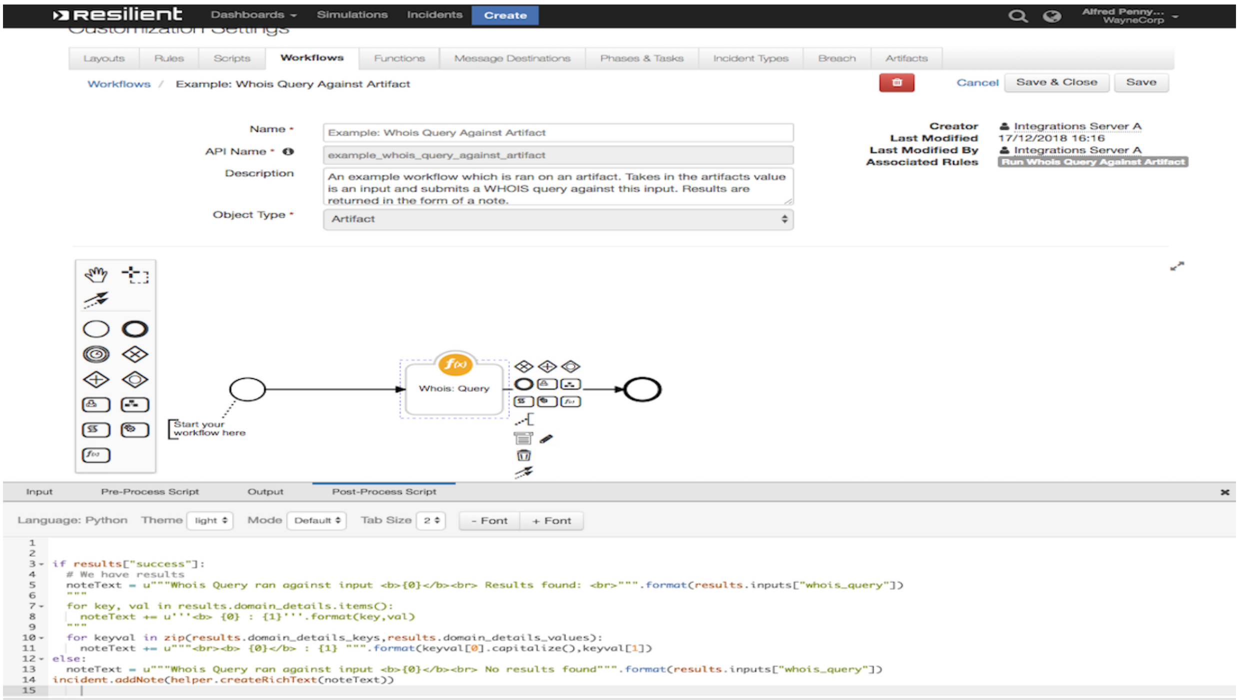


Resilient Sysadmin added a note to the *Incident* 08/17/2020 13:58

Whois Query ran against input **https://abc.com**

Results found:

Domain_name : abc.com
Registrar : CSC CORPORATE DOMAINS, INC.
Whois_server : whois.corporatedomains.com
Referral_url : None
Updated_date : 04/08/2020
Creation_date : 05/22/1996
Expiration_date : 05/23/2021
Name_servers : ns-1368.awsdns-43.org, ns-1869.awsdns-41.co.uk, ns-736.awsdns-28.net, ns-318.awsdns-39.com
Status : clientTransferProhibited https://icann.org/epp#clientTransferProhibited
serverDeleteProhibited https://icann.org/epp#serverDeleteProhibited
serverTransferProhibited https://icann.org/epp#serverTransferProhibited
serverUpdateProhibited https://icann.org/epp#serverUpdateProhibited
clientTransferProhibited http://www.icann.org/epp#clientTransferProhibited
serverDeleteProhibited http://www.icann.org/epp#serverDeleteProhibited
serverTransferProhibited http://www.icann.org/epp#serverTransferProhibited
serverUpdateProhibited http://www.icann.org/epp#serverUpdateProhibited
Emails : domainabuse@cscglobal.com, Corp.DNS.Domains@disney.com
Dnssec : unsigned
Name : ABC, Inc.; Domain Administrator
Org : ABC, Inc.
Address : None
City : New York
State : NY
Zipcode : 10023-6298
Country : US



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

```
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=https://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.**

```
def expand_list(list_value, separator=", "):
  if not isinstance(list_value, list):
    return list_value
  else:
    return separator.join(list_value)


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 keyval in zip(results.domain_details_keys,results.domain_details_values):
    if keyval[0] in ['status']:
      expanded_list = expand_list(keyval[1], separator="<br>")
    else:
      expanded_list = expand_list(keyval[1])

    noteText += u"""<br><b> {0}</b> : {1} """.format(keyval[0].capitalize(), expanded_list)
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