McAfee Threat Intelligence Exchange (TIE) Functions for IBM Resilient

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Release Notes

v1.0.2

• Support added for App Host.

v1.0.1

• Support added for App Host.

v1.0.0

• Initial Release

Overview

Resilient Circuits Components for McAfee TIE Functions

The McAfee TIE Functions for IBM Resilient provides the ability to search McAfee Threat Intelliegence Exchange (TIE) server for information on a specific file hash. This information can come from any of the providers:

- Enterprise
- GTI
- ATD
- MWG

In addition, a system list is returned by the function.

Installation

Requirements

- Resilient platform >= v35.0.0
 - To setup up an App Host see: ibm.biz/res-app-host-setup
- An Integration Server running resilient_circuits>=30.0.0 (if using an Integration Server)

- To set up an Integration Server see: ibm.biz/res-int-server-guide
- o If using an API key account, minimum required permissions are:

| Name | Permissions | | |
|----------|-------------|--|--|
| Org Data | Read | | |
| Function | Read | | |

Install

- To install or uninstall an App using the App Host see ibm.biz/res-install-app
- To install or uninstall an Integration using the Integration Server see the ibm.biz/res-install-int

App Configuration

The following table describes the settings you need to configure in the app.config file. If using App Host, see the Resilient System Administrator Guide. If using the integration server, see the Integration Server Guide.

| Config | Required | Example | Description |
|------------------|----------|--|---|
| dxlclient_config | Yes | /home/integration/.resilient/mcafee_tie/dxlclient.config | Path to the dxlclient.config file |

In addition to updating the app.config file and before running the McAfee TIE functions, you need to generate the dxlclient.config, certificates and key files using an OpenDXL client provisioning command. More information on the dxlclient.config file and provisioning the system can be found here:

https://opendxl.github.io/opendxl-client-python/pydoc/provisioningoverview.html https://opendxl.github.io/opendxl-client-python/pydoc/basiccliprovisioning.html#basiccliprovisioning

Here is an example of the OpenDXL client provisioning command:

python -m dxlclient -vv provisionconfig /home/integration/.resilient/fn_mcafee_tie X.X.X.X
client1 -u admin -p password

In this example, X.X.X.X is the IP address of the McAfee ePO server or OpenDXL Broker.

The generated files are created in the /home/integration/.resilient/fn_mcafee_tie directory.

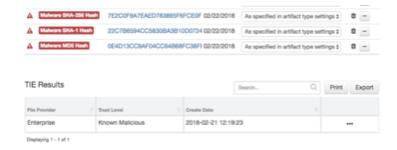
If installing the app on an integration server, set the dxlclient_config app.config parameter to the location of the created dxlclient.config file.

```
dxlclient_config=/home/integration/.resilient/fn_mcafee_tie/dxlclient.config
```

If installing the app directly to the Resilient platform (App Host environment), you need to use the New File button to create each file that was created by the provisioning command. As you create each file, copy the contents of the file into your new file. Make sure to enter /etc/rescircuits/fn_mcafee_tie as the File Path. See the Resilient Platform System Administrator Guide for the detailed procedure.

Custom Layouts

 Customize the Artifacts Tab page by dragging the TIE Results data table on to it as pictured below or create your own McAfee TIE incident tab and drag the TIE Results on to it:

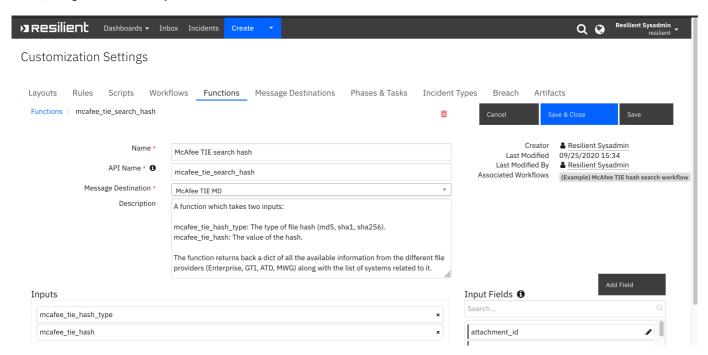


Function - McAfee TIE search hash

A function which takes two inputs:

mcafee_tie_hash_type: The type of file hash (md5, sha1, sha256). mcafee_tie_hash: The value of the hash.

The function returns a JSON object containing the available information from the different file providers (Enterprise, GTI, ATD, MWG) along with the list of systems related to it.



▶ Inputs:

| Name | Type | Required | Example | Tooltip |
|---------------------------------|------|----------|---------|---|
| mcafee_tie_hash | text | No | _ | The value of the hash |
| <pre>mcafee_tie_hash_type</pre> | text | No | _ | The type of file hash (md5, sha1, sha256) |

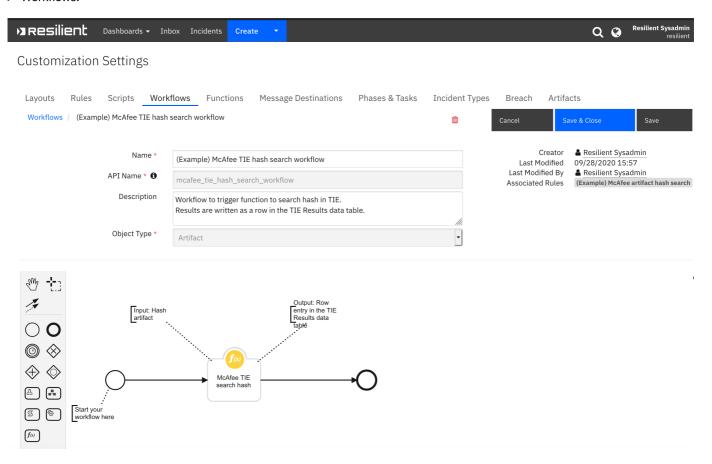
► Outputs:

```
results = {
  "GTI":{
     "File Provider":"GTI",
     "Attributes":{

     },
     "Create Date":"2018-02-21 12:17:10",
     "Trust Level":"Known Malicious"
},
  "ATD":{
     "File Provider":"ATD",
     "Create Date":"2018-03-14 11:53:09",
```

```
"Trust Level": "Most Likely Malicious"
},
"MWG":{
   "File Provider": "MWG",
   "Create Date":"2018-03-14 11:53:55",
   "Trust Level": "Most Likely Malicious"
},
"Enterprise":{
    "File Provider": "Enterprise",
   "Attributes":{
       "Average Local Rep": "Most Likely Malicious",
       "First Contact":"2018-02-21 12:17:10",
       "Min Local Rep": "Most Likely Malicious",
       "Is Prevalent":"0",
       "File Name Count":"1",
       "Max Local Rep": "Most Likely Malicious"
    },
   "Create Date":"2018-02-21 12:17:10",
   "Trust Level": "Most Likely Malicious"
"system_list":[{
  "date": 1519233563,
  "agentGuid": {a00728ff-3187-46c1-97d2-8e0f26ea940b}
}]
}
```

▶ Workflows:



► Example Pre-Process Script:

```
if artifact.type == "Malware MD5 Hash":
inputs.mcafee_tie_hash_type = "md5"
inputs.mcafee_tie_hash = artifact.value
```

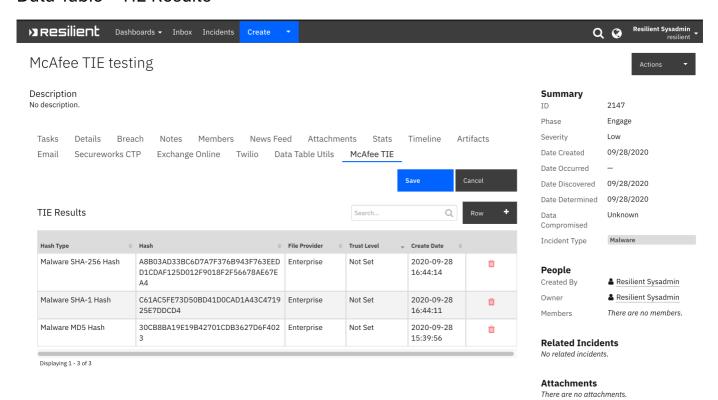
```
elif artifact.type == "Malware SHA-1 Hash":
inputs.mcafee_tie_hash_type = "sha1"
inputs.mcafee_tie_hash = artifact.value
elif artifact.type == "Malware SHA-256 Hash":
inputs.mcafee_tie_hash_type = "sha256"
inputs.mcafee_tie_hash = artifact.value
else:
helper.fail("Artifact hash was not set correctly")
```

► Example Post-Process Script:

```
Data returned will be in the following structure
 "GTI":{
   "File Provider": "GTI",
    "Attributes":{
    "Create Date":"2018-02-21 12:17:10",
   "Trust Level": "Known Malicious"
},
 "ATD":{
   "File Provider": "ATD",
    "Create Date":"2018-03-14 11:53:09",
    "Trust Level": "Most Likely Malicious"
 },
 "MWG":{
   "File Provider": "MWG",
   "Create Date":"2018-03-14 11:53:55",
   "Trust Level": "Most Likely Malicious"
 },
 "Enterprise":{
    "File Provider": "Enterprise",
    "Attributes":{
       "Average Local Rep": "Most Likely Malicious",
       "First Contact": "2018-02-21 12:17:10",
       "Min Local Rep": "Most Likely Malicious",
       "Is Prevalent":"0",
       "File Name Count":"1",
       "Max Local Rep": "Most Likely Malicious"
    },
    "Create Date":"2018-02-21 12:17:10",
    "Trust Level": "Most Likely Malicious"
 "system_list":[{
   "date": 1519233563,
  "agentGuid": {a00728ff-3187-46c1-97d2-8e0f26ea940b}
}]
}
111111
row = incident.addRow("tie_results")
row["hash_type"] = artifact.type
row["hash"] = artifact.value
row["file provider"] = results["Enterprise"]["File Provider"]
row["trust_level"] = results["Enterprise"]["Trust Level"]
```

```
row["tie_create_date"] = results["Enterprise"]["Create Date"]
```

Data Table - TIE Results



API Name:

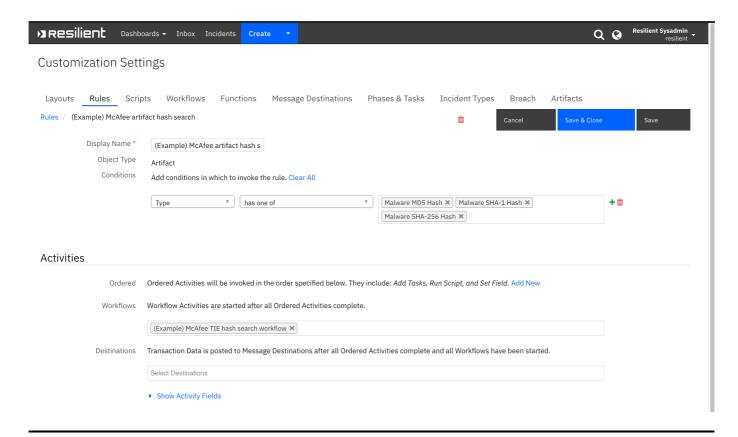
tie_results

Columns:

| Column Name | API Access Name | Туре | Tooltip |
|---------------|-----------------|------|---------|
| File Provider | file_provider | text | - |
| Hash | hash | text | - |
| Hash Type | hash_type | text | - |
| Create Date | tie_create_date | text | - |
| Trust Level | trust_level | text | - |

Rules

| Rule Name | Object | Workflow Triggered |
|---------------------------------------|----------|---------------------------------|
| (Example) McAfee artifact hash search | artifact | mcafee_tie_hash_search_workflow |



Troubleshooting & Support

If using the app with an App Host, see the Resilient System Administrator Guide and the App Host Deployment Guide for troubleshooting procedures. You can find these guides on the IBM Knowledge Center, where you can select which version of the Resilient platform you are using.

If using the app with an integration server, see the Integration Server Guide

For Support

This is an IBM Supported app. Please search https://ibm.com/mysupport for assistance.