- Key Features
- Poller
- Function Proofpoint TRAP Get Incident Details
- Function Proofpoint TRAP Get List Members
- Function Proofpoint TRAP Add Members to List
- Function Proofpoint TRAP Update List Member
- Function Proofpoint TRAP Delete List Member
- Data Table Proofpoint TRAP Events
- Data Table Proofpoint TRAP List Members
- Custom Fields
- Rules

Key Features

The ProofPoint TRAP function package provides the following features:

- Poll a Proofpoint TRAP server for incidents and create corresponding incidents in the Resilient platform.
- Get Proofpoint TRAP incident details.
- Get a Proofpoint TRAP list member or members.
- Add a member to a Proofpoint TRAP list for artifacts of type host, IP address, or URL.
- Update a member of a Proofpoint TRAP list.
- Delete a member from a Proofpoint TRAP list.

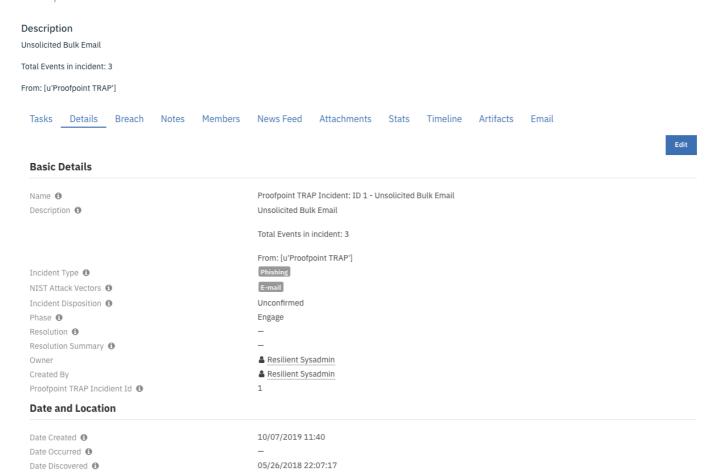
Poller:

Threaded Poller which runs continuously while the integration is running.

- Polls a Proofpoint TRAP server for incidents and creates corresponding incidents in the Resilient platform.
- Adds Proofpoint TRAP events to incident data table Proofpoint TRAP Events in the Resilient platform.
- Adds artifacts to incidents in the Resilient platform corresponding to hosts artifacts in Proofpoint TRAP incident events.
 The actual artifacts added are determined by the host_categories configuration option.
- Adds a note with Proofpoint TRAP events details to an incident in the Resilient platform.

Example incident created by the poller:

Proofpoint TRAP Incident: ID 1 - Unsolicited Bulk Email



Examples of incident artifacts created by the poller:

Type	Value	Created	-	Relate?	Actio	ns
IP Address	192.168.1.2	10/07/2019 12:00		As specified in the artifact type sett •	Û	***
IP Address	54.214.13.31	10/07/2019 11:40		As specified in the artifact type sett •	ŵ	***
URL	http://trapdemo.evilscheme.org/files /313532373336373133382e33.pdf	10/07/2019 11:40		As specified in the artifact type sett	Û	***
DNS Name	trapdemo.evilscheme.org	10/07/2019 11:40		As specified in the artifact type sett	Û	•••

Functions:

Function - Proofpoint TRAP: Get Incident Details

Fetch Incident Details from Proofpoint TRAP.

- Adds a note to the Resilient incident with ProofPoint TRAP incident details.
- Provides an example workflow which uses this Resilient Function, Example: Proofpoint TRAP: Get Incident Details.

The workflow is initiated by the incident rule, Example: Proofpoint TRAP: Get Incident Details.

1. Open an incident and select Example: Proofpoint TRAP: Get Incident Details from Actions.

```
Example: Proofpoint TRAP: Get Incident Details
Example: Proofpoint TRAP: Get List Members

Action Status
Workflow Status
Close Incident
Delete Incident
```

2. Click Action-> Example: Proofpoint TRAP: Get Incident Details. A note is added to the incident with the incident details in JSON format.

This invokes the Example: Proofpoint TRAP: Get Incident Details workflow, which calls the Proofpoint TRAP: Get Incident Details function.

► Inputs:

Config	Type	Required	Example	Description
trap_incident_id	number	Yes	1	Proofpoint TRAP Incident ID

► Outputs:

```
results = {
    # TODO: Copy and paste an example of the Function Output within this code block.
    # To see view the output of a Function, run resilient-circuits in DEBUG mode and invoke the Function.
    # The Function results will be printed in the logs: "resilient-circuits run -- loglevel=DEBUG"
}
```

► Example Pre-Process Script:

```
inputs.trap_incident_id = incident.properties.proofpoint_trap_incident_id
```

► Example Post-Process Script:

```
note = "{}".format(unicode(results.data))
incident.addNote(helper.createRichText(note))
```

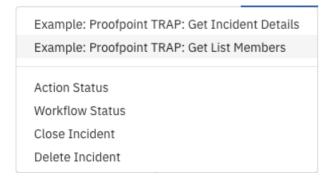
Function - Proofpoint TRAP: Get List Members

Get member or members of a Proofpoint TRAP list.

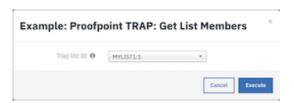
- Retrives all the members of a Proofpoint TRAP list. Lists can be host list, url list, user list, or file list.
- Adds Proofpoint TRAP list members to incident data table **Proofpoint TRAP List Members** in the Resilient platform.
- Example workflows which use this Resilient Function include Example: Proofpoint TRAP: Get List Members.

The workflow is initiated by the incident rule, Example: Proofpoint TRAP: Get List Members.

1. Open an incident and select Example: Proofpoint TRAP: Get List Members from Actions.



2. Select a list ID from the displayed drop-down list and click Execute.



Note: The drop-down for list ID selection, uses the format 'ist description>:ist id>'.

This invokes the Example: Proofpoint TRAP: Get List Members workflow, which calls the Proofpoint TRAP: Get List Members function. The data table Proofpoint TRAP List Members will be updated in the Resilient platform with the member details for the selected list.

Proofpoint	TRAP L	ist Membe	rs			Searc	h	Q	Prir	it	Export
Query execution can date	List \Leftrightarrow Id	(a) (b) (b) (c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d	Member Description	Expiration Date	Created At	Updated At	+ Host	Resolution State		† TTL	Status
2019-10-0 7 11:54:11	1	8	IP to block	2018-12-18T19:0 8:56Z	2017-01-11T03: 47:15Z	2017-01-11T03:47 :15Z	75.76.13.1 44	4		0	Enabled
2019-10-0 7 11:54:11	1	7	Hostname to block	_	2017-12-29T04: 56:13Z	2018-01-13T00:45 :16Z	trapdemo.e vilscheme.i nfo	4		0	Enabled
2019-10-0 7 11:54:11	1	7	Suspect IP to block	2018-12-18T19:0 8:56Z	2017-01-11T03: 47:15Z	2017-01-11T03:47 :15Z	192.168.1. 1	4		0	Enabled

► Inputs:

Config	Type	Required	Example	Description
trap_list_id	number	number	1	Proofpoint TRAP List ID.
trap_member_id	number	text	1	Proofpoint TRAP List member ID.
trap_members_type	number	text	members.json	The Proofpoint TRAP information format to get in result for list membership. Default is members.json.

► Outputs:

```
u'host': u'75.76.13.144', u'ttl': 0,
u'resolution_state': 4, u'id': 20
                       u'response id': None, u'expiration': u'2018-12-18T19:08:56Z',
u'list_id': 2, u'host_id': 20,
                       u'hash_reputation_id': None, u'id': 8, u'reverse_user_id':
None
                      },
                      {u'user_id': None, u'description': u'test', u'deleted': False,
u'created_at': u'2017-01-11T03:43:54Z',
                       u'enabled': True, u'updated_at': u'2017-01-11T03:43:54Z',
                       u'host': {u'created_at': u'2016-12-29T04:56:13Z',
u'updated_at': u'2017-01-13T00:45:16Z',
                                 u'host': u'string', u'ttl': 0, u'resolution_state':
4, u'id': 6
                                },
                       u'response_id': None, u'expiration': None, u'list_id': 2,
u'host_id': 6, u'hash_reputation_id': None,
                       u'id': 6, u'reverse_user_id': None
          'raw': '[{"user_id": null, "description": "IP to block", "deleted": false,
"created_at": "2017-01-11T03:47:15Z", '
                 '"enabled": true, "updated_at": "2017-01-11T03:47:15Z", "host":
{"created_at": "2017-01-11T03:47:15Z", '
                 '"updated_at": "2017-01-11T03:47:15Z", "host": "75.76.13.144",
"ttl": 0, "resolution_state": 4, "id": 20}, '
                 '"response_id": null, "expiration": "2018-12-18T19:08:56Z",
"list id": 2, "host id": 20, '
                 '"hash_reputation_id": null, "id": 8, "reverse_user_id": null},
{"user_id": null, "description": "test", '
                 '"deleted": false, "created_at": "2017-01-11T03:43:54Z", "enabled":
true, "updated_at": "2017-01-11T03:43:54Z", '
                 '"host": {"created_at": "2016-12-29T04:56:13Z", "updated_at": "2017-
01-13T00:45:16Z", "host": "string", '
                 '"ttl": 0, "resolution_state": 4, "id": 6}, "response_id": null,
"expiration": null, "list id": 2, '
                 '"host_id": 6, "hash_reputation_id": null, "id": 6,
"reverse_user_id": null}]',
          'reason': None,
          'version': '1.0'
}
```

► Example Pre-Process Script:

```
import re
if re.match("^.*:\d+$", rule.properties.trap_list_id):
    inputs.trap_list_id = rule.properties.trap_list_id.split(":")[1]
else:
    raise ValueError("Required field: '{0}' with value: '{1}' is in an incorrect
format.".format("rule.properties.trap_list_id", rule.properties.trap_list_id))
inputs.trap_list_id = rule.properties.trap_list_id.split(":")[1]
inputs.trap_members_type = "members.json"
```

```
## ProofPoint Trap - fn_proofpoint_trap_get_list_members ##
# Example result:
Result: { 'inputs': {u'trap_list_id': 1, u'trap_members_type': u'members.json'},
          'metrics': {'package': 'fn-proofpoint-trap', 'timestamp': '2019-08-29
14:02:01', 'package_version': '1.0.0',
                      'host': 'myhost.com', 'version': '1.0', 'execution_time_ms':
27}, 'success': True,
          'content': [{u'user_id': None, u'description': u'IP to block', u'deleted':
False, u'created_at': u'2017-01-11T03:47:15Z',
                       u'enabled': True, u'updated_at': u'2017-01-11T03:47:15Z',
                       u'host': {u'created_at': u'2017-01-11T03:47:15Z',
u'updated_at': u'2017-01-11T03:47:15Z',
                                 u'host': u'75.76.13.144', u'ttl': 0,
u'resolution state': 4, u'id': 20
                                 },
                       u'response_id': None, u'expiration': u'2018-12-18T19:08:56Z',
u'list_id': 2, u'host_id': 20,
                       u'hash_reputation_id': None, u'id': 8, u'reverse_user_id':
None
                      },
                      {u'user_id': None, u'description': u'test', u'deleted': False,
u'created at': u'2017-01-11T03:43:54Z',
                       u'enabled': True, u'updated at': u'2017-01-11T03:43:54Z',
                       u'host': {u'created_at': u'2016-12-29T04:56:13Z',
u'updated_at': u'2017-01-13T00:45:16Z',
                                 u'host': u'string', u'ttl': 0, u'resolution_state':
4, u'id': 6
                                },
                       u'response_id': None, u'expiration': None, u'list_id': 2,
u'host_id': 6, u'hash_reputation_id': None,
                       u'id': 6, u'reverse_user_id': None
          'raw': '[{"user_id": null, "description": "IP to block", "deleted": false,
"created_at": "2017-01-11T03:47:15Z", '
                 "enabled": true, "updated_at": "2017-01-11T03:47:15Z", "host":
{"created_at": "2017-01-11T03:47:15Z", '
                 '"updated_at": "2017-01-11T03:47:15Z", "host": "75.76.13.144",
"ttl": 0, "resolution_state": 4, "id": 20}, '
                 '"response_id": null, "expiration": "2018-12-18T19:08:56Z",
"list_id": 2, "host_id": 20, '
                 '"hash_reputation_id": null, "id": 8, "reverse_user_id": null},
{"user_id": null, "description": "test", '
                 '"deleted": false, "created_at": "2017-01-11T03:43:54Z", "enabled":
true, "updated_at": "2017-01-11T03:43:54Z", '
                 '"host": {"created_at": "2016-12-29T04:56:13Z", "updated_at": "2017-
01-13T00:45:16Z", "host": "string",
                 '"ttl": 0, "resolution_state": 4, "id": 6}, "response_id": null,
"expiration": null, "list_id": 2, '
                 '"host_id": 6, "hash_reputation_id": null, "id": 6,
"reverse_user_id": null}]',
          'reason': None,
          'version': '1.0'
}
0.00
# List of fields in datatable fn_proofpoint_trap_get_list_members script
DATA_TBL_FIELDS = ["query_execution_time", "member_id", "list_id",
"member_description", "expiration", "created_at", "status"]
DATA_TBL_FIELDS_HOST = ["created_at", "updated_at", "host", "resolution_state",
```

```
"ttl"l
FN_NAME = "fn_proofpoint_trap_get_list_members"
WF_NAME = "Example: Proofpoint TRAP: Get List Members"
MEMBERS = results.content
INPUTS = results.inputs
QUERY_EXECUTION_DATE = results["metrics"]["timestamp"]
# Processing
def main():
    note text = ''
    if MEMBERS is not None:
        note_text = "ProofPoint Trap Integration Integration: Workflow <b>{0}</b>:
There were <b>{1}</b> results returned for Resilient function " \
                   "<b>{2}</b>".format(WF_NAME, len(MEMBERS), FN_NAME)
        for i in range(len(MEMBERS)):
            newrow = incident.addRow("trap_list_members")
            newrow.query_execution_date = QUERY_EXECUTION_DATE
            newrow.member_id = MEMBERS[i]["id"]
            newrow.member_description = MEMBERS[i]["description"]
            for f in DATA TBL FIELDS:
                if f in ["query_execution_time", "member_id", "member_description",
"status"]:
                    continue
                if MEMBERS[i][f] is not None:
                    newrow[f] = MEMBERS[i][f]
                if MEMBERS[i]["enabled"]:
                    newrow.status = "Enabled"
                host = MEMBERS[i]["host"]
                if host is not None:
                    for d in DATA_TBL_FIELDS_HOST:
                        newrow[d] = host[d]
    else:
        noteText += "ProofPoint Trap Integration: Workflow <b>{0}</b>: There were
<b>no</b> results returned for " \
                    "list id <b>{1}</b> for Resilient function <b>{3}
</b>".format(WF_NAME, INPUTS["trap_list_id"], FN_NAME)
    incident.addNote(helper.createRichText(note_text))
if __name__ == "__main__":
    main()
```

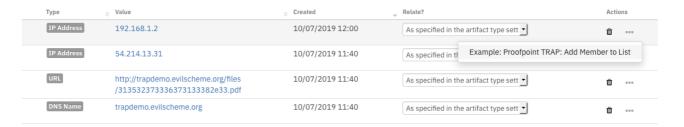
Function - Proofpoint TRAP: Add Members to List

Add a member or members to a Proofpoint TRAP list.

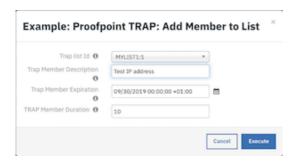
- Adds a new host, IP address, URL, user account or hash member to a Proofpoint TRAP list. List can be host list, URL
 list, user list, or file list.
- Adds the new Proofpoint TRAP list member details to the incident data table **Proofpoint TRAP List Members** in the Resilient platform.
- An example workflow that uses this Resilient Function includes Example: Proofpoint TRAP: Add Member to List. The workflow is applicable for Resilient artifact types: 'URL', 'User Account', 'DNS Name', 'IP Address', System Name', 'Malware SHA-256 Hash', 'Malware SHA-1 Hash' and 'Malware MD5 Hash'.

The workflow is initiated by the incident rule, Example: Proofpoint TRAP: Add Member to List.

- 1. Open an incident and select the 'Artifacts' tab.
- 2. For a Resilient artifact of an applicable type, such as 'IP Address,' click Action-> Example: Proofpoint TRAP: Add Member to List.



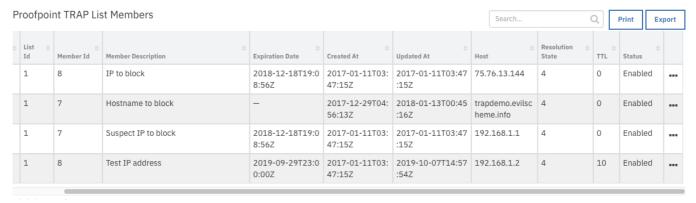
3. Select an input from a list of user defined inputs. For example, select Proofpoint TRAP list ID 1 from the drop-down.



Note: The drop-down for list ID selection, uses the format 'ist description>:id>'.

4. Input values for the remainder of the fields and click Execute. This invokes the Example: Proofpoint TRAP: Add Member to List workflow, which calls the Proofpoint TRAP: Add Members to List function.

The data table **Proofpoint TRAP List Members**, is updated in the Resilient platform with the member details for the selected list.



► Inputs:

Name	Туре	Required	Example	Tooltip
trap_description	text	No	-	Short description of Proofpoint TRAP list member.
trap_duration	number	No	-	Number of hours after which to expire Proofpoint TRAP list membership.
trap_expiration	datetimepicker	No	-	Timestamp to expire Proofpoint TRAP list member.
trap_list_id	number	No	_	Proofpoint TRAP List ID.

Name	Туре	Required	Example	Tooltip
trap_member	text	No	-	Proofpoint TRAP List member to add. Can be of type host, IP address, or URL.

► Outputs:

```
results = {
    # TODO: Copy and paste an example of the Function Output within this code block.
    # To see view the output of a Function, run resilient-circuits in DEBUG mode and invoke the Function.
    # The Function results will be printed in the logs: "resilient-circuits run --- loglevel=DEBUG"
}
```

► Example Pre-Process Script:

```
import re
inputs.trap_member = artifact.value
inputs.trap_description = rule.properties.trap_description
if re.match("^.*:\d+$", rule.properties.trap_list_id):
    inputs.trap_list_id = rule.properties.trap_list_id.split(":")[1]
else:
    raise ValueError("Required field: '{0}' with value: '{1}' is in an incorrect
format.".format("rule.properties.trap_list_id", rule.properties.trap_list_id))
inputs.trap_expiration = rule.properties.trap_expiration
inputs.trap_duration = rule.properties.trap_duration
```

```
## ProofPoint Trap - fn_proofpoint_trap_add_members_to_list ##
# Example result:
Result: {'inputs': {u'trap_list_id': 1, u'trap_member': u'75.76.13.144',
u'trap_description': u'A test',
                    u'trap_expiration': 1567526694000, u'trap_duration': 10},
         'metrics': {'package': 'fn-proofpoint-trap', 'timestamp': '2019-09-03
17:05:06', 'package_version': '1.0.0',
                     'host': 'myhost.ibm.com', 'version': '1.0', 'execution_time_ms':
3512},
         'success': True,
         'content': {u'user_id': None, u'description': u'IP to block', u'deleted':
False,
                     u'created_at': u'2017-01-11T03:47:15Z', u'enabled': True,
u'updated_at': u'2017-01-11T03:47:15Z',
                     u'host': {u'created_at': u'2017-01-11T03:47:15Z', u'updated_at':
u'2017-01-11T03:47:15Z',
                               u'host': u'75.76.13.144', u'ttl': 0,
u'resolution state': 4, u'id': 20
                               },
                     u'response_id': None, u'expiration': u'2018-12-18T19:08:56Z',
u'list_id': 1, u'host_id': 20,
                     u'hash_reputation_id': None, u'id': 8, u'reverse_user_id':
None},
         'raw': '{"user_id": null, "description": "IP to block", "deleted": false,
```

```
"created_at": "2017-01-11T03:47:15Z", '
                '"enabled": true, "updated_at": "2017-01-11T03:47:15Z", "host":
{"created_at": "2017-01-11T03:47:15Z", '
                "updated at": "2017-01-11T03:47:15Z", "host": "75.76.13.144", "ttl":
0, "resolution_state": 4, "id": 20}, '
                '"response_id": null, "expiration": "2018-12-18T19:08:56Z",
"list_id": 1, "host_id": 20, '
                '"hash_reputation_id": null, "id": 8, "reverse_user_id": null}',
         'reason': None,
         'version': '1.0'
}
0.00
# Globals
# List of fields in datatable fn_proofpoint_trap_add_members_to_list script
DATA_TBL_FIELDS = ["query_execution_time", "member_id", "list_id",
"member_description", "expiration", "created_at", "status"]
DATA_TBL_FIELDS_HOST = ["created_at", "updated_at", "host", "resolution_state",
"ttl"l
FN_NAME = "fn_proofpoint_trap_add_members_to_list"
WF_NAME = "Example: Proofpoint TRAP: Get List Members"
MEMBER = results.content
INPUTS = results.inputs
QUERY_EXECUTION_DATE = results["metrics"]["timestamp"]
# Processing
def main():
    note text = ''
    if MEMBER is not None:
        note_text = "ProofPoint Trap Integration Integration: Workflow <b>{0}</b>:
There was a valid result returned for Resilient function " \
                   "<b>{1}</b>".format(WF_NAME, FN_NAME)
        newrow = incident.addRow("trap list members")
        newrow.guery execution date = QUERY EXECUTION DATE
        newrow.member_id = MEMBER["id"]
        newrow.member description = MEMBER["description"]
        for f in DATA_TBL_FIELDS:
            if f in ["query_execution_time", "member_id", "member_description",
"status"l:
                continue
            if MEMBER[f] is not None:
                  newrow[f] = MEMBER[f]
        if MEMBER["enabled"]:
            newrow.status = "Enabled"
        host = MEMBER["host"]
        if host is not None:
            for d in DATA_TBL_FIELDS_HOST:
                newrow[d] = host[d]
    else:
        noteText += "ProofPoint Trap Integration: Workflow <b>{0}</b>: There were
<b>no</b> results returned for " \
                    "list id <b>{1}</b> for Resilient function <b>{3}
</b>".format(WF_NAME, INPUTS["trap_list_id"], FN_NAME)
    incident.addNote(helper.createRichText(note_text))
```

```
if __name__ == "__main__":
    main()
```

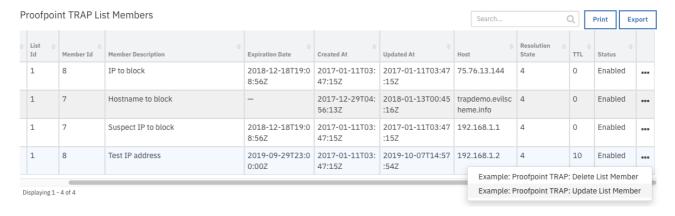
Function - Proofpoint TRAP: Update List Member

Update a member of a Proofpoint TRAP list.

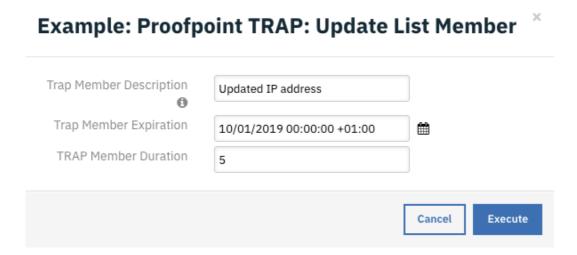
- Updates an existing member of a Proofpoint TRAP list by specifying the list and the member to update.
- Refreshes Proofpoint TRAP list member details for the incident data table Proofpoint TRAP List Members in the Resilient platform.
- An example workflow that uses this Resilient Function includes Example: Proofpoint TRAP: Update List Member.
- The workflow is applicable for populated rows of incident data table **Proofpoint TRAP List Members** in the Resilient platform.

The workflow is initiated by the data table rule, Example: Proofpoint TRAP: Update List Member.

- 1. Open an incident and select the row of data table **Proofpoint TRAP List Members** corresponding to the list member to update.
- 2. From the selected row's actions menu, select Example: Proofpoint TRAP: Update List Member.



3. In the list of user defined inputs, enter values for the displayed fields and click Execute.



This invokes the Example: Proofpoint TRAP: Update List Member workflow, which calls the Proofpoint TRAP: Update List Member function. The data table Proofpoint TRAP List Members is refreshed in the Resilient platform with the updated member details for the selected list.

Proofpoint TRAP List Members Search.. Q Print Export List Member Id Member Description **Expiration Date** TTL Status date State 2019-10-0 1 8 IP to block 2018-12-18T19:0 | 2017-01-11T03: | 2017-01-11T03:47 | 75.76.13.144 4 0 Enab 7 11:54:11 8:56Z 47:15Z 2019-10-0 1 Hostname to block 2017-12-29T04: 2018-01-13T00:45 trapdemo.evilsc 4 0 Enab 7 11:54:11 56:13Z :16Z 2019-10-0 Suspect IP to block 2018-12-18T19:0 | 2017-01-11T03: | 2017-01-11T03:47 | 192.168.1.1 0 Enab 7 11:54:11 8:56Z 47:15Z :15Z 2019-10-0 1 2019-09-30T23:0 2017-01-11T03: 2019-10-07T15:39 75.76.13.144 8 Updated IP address 5 Enab 7 17:39:15 0:00Z 47:15Z :15Z

► Inputs:

Name	Туре	Required	Example	Tooltip
trap_description	text	No	-	Short description of Proofpoint TRAP list member.
trap_duration	number	No	-	Number of hours after which to expire Proofpoint TRAP list membership.
trap_expiration	datetimepicker	No	-	Timestamp to expire Proofpoint TRAP list member.
trap_list_id	number	No	_	Proofpoint TRAP List ID.
trap_member_id	number	No	_	Proofpoint TRAP List member ID.

▶ Outputs:

```
results = {
    # TODO: Copy and paste an example of the Function Output within this code block.
    # To see view the output of a Function, run resilient-circuits in DEBUG mode and invoke the Function.
    # The Function results will be printed in the logs: "resilient-circuits run --- loglevel=DEBUG"
}
```

► Example Pre-Process Script:

```
inputs.trap_list_id = row.list_id
inputs.trap_member_id = row.member_id
inputs.trap_description = rule.properties.trap_description
inputs.trap_expiration = rule.properties.trap_expiration
inputs.trap_duration = rule.properties.trap_duration
```

```
'metrics': {'package': 'fn-proofpoint-trap', 'timestamp': '2019-09-03
17:19:57', 'package_version': '1.0.0',
                     'host': 'myhost.ibm.com', 'version': '1.0', 'execution time ms':
33
                     }, 'success': True,
         'content': {u'user_id': None, u'description': u'Updated IP to block',
u'deleted': False,
                     u'created_at': u'2017-01-11T03:47:15Z', u'enabled': True,
u'updated at': u'2017-01-11T03:47:15Z',
                     u'host': {u'created_at': u'2017-01-11T03:47:15Z', u'updated_at':
u'2017-01-11T03:47:15Z',
                               u'host': u'75.76.13.144', u'ttl': 0,
u'resolution state': 4, u'id': 20
                     u'response_id': None, u'expiration': u'2018-12-18T19:08:56Z',
u'list_id': 2, u'host_id': 20,
                     u'hash_reputation_id': None, u'id': 8, u'reverse_user_id': None
         'raw': '{"user_id": null, "description": "Updated IP to block", "deleted":
false, "created_at": "2017-01-11T03:47:15Z", '
                ""enabled": true, "updated_at": "2017-01-11T03:47:15Z", "host":
{"created_at": "2017-01-11T03:47:15Z", '
                '"updated_at": "2017-01-11T03:47:15Z", "host": "75.76.13.144", "ttl":
0, "resolution_state": 4, "id": 20}, '
                ""response_id": null, "expiration": "2018-12-18T19:08:56Z",
"list_id": 2, "host_id": 20, "hash_reputation_id": null, '
                '"id": 8, "reverse_user_id": null}',
         'reason': None,
         'version': '1.0'
}
0.00
# Globals
# List of fields in datatable "Proofpoint TRAP List Members" for
fn_proofpoint_trap_get_list_members script
DATA TBL FIELDS = ["query execution time", "member id", "list id",
"member_description", "expiration", "created_at", "status"]
DATA_TBL_FIELDS_HOST = ["created_at", "updated_at", "host", "resolution_state",
"ttl"]
FN_NAME = "fn_proofpoint_trap_update_list_member"
WF_NAME = "Example: Proofpoint TRAP: Update List Member"
MEMBER = results.content
QUERY_EXECUTION_DATE = results["metrics"]["timestamp"]
# Processing
def main():
    note_text = ''
    if MEMBER is not None:
        note_text = "ProofPoint Trap Integration Integration: Workflow <b>{0}</b>:
There was a valid result returned for Resilient function " \
                   "<b>{1}</b>".format(WF NAME, FN NAME)
        row.query_execution_date = QUERY_EXECUTION_DATE
        row.member_id = MEMBER["id"]
        row.member_description = MEMBER["description"]
        for f in DATA_TBL_FIELDS:
            if f in ["query_execution_time", "member_id", "member_description",
"status"l:
              continue
```

```
if MEMBER[f] is not None:
                  row[f] = MEMBER[f]
        if MEMBER["enabled"]:
            row.status = "Enabled"
        host = MEMBER["host"]
        if host is not None:
            for d in DATA_TBL_FIELDS_HOST:
                row[d] = host[d]
    else:
        noteText += "ProofPoint Trap Integration: Workflow <b>{0}</b>: There were
<b>no</b> results returned for " \
                    "list id <b>{1}</b> for Resilient function <b>{3}
</b>".format(WF_NAME, INPUTS["trap_list_id"], FN_NAME)
    incident.addNote(helper.createRichText(note_text))
if __name__ == "__main__":
    main()
```

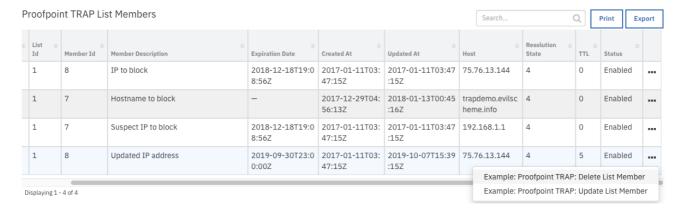
Function - Proofpoint TRAP: Delete List Member

Delete the member of a Proofpoint TRAP list.

- Deletes a member of a Proofpoint TRAP list by specifying the list and the member to update.
- Updates the deleted Proofpoint TRAP list member details for the selected incident data table Proofpoint TRAP List Members row in the Resilient platform.
- An example workflow that uses this Resilient Function includes Example: Proofpoint TRAP: Delete List Member.
- The workflow is applicable for incident data table **Proofpoint TRAP List Members** populated rows in the Resilient platform.

The workflow is initiated by the data table rule, Example: Proofpoint TRAP: Delete List Member.

- 1. Open an incident and select the row of data table **Proofpoint TRAP List Members** corresponding to the list member to delete.
- 2. From the selected row's actions menu, select Example: Proofpoint TRAP: Delete List Member.



3. Click on the action to execute. This invokes the Example: Proofpoint TRAP: Delete List Member workflow, which calls the Proofpoint TRAP: Delete List Member function.

The data table Proofpoint TRAP List Members will be refreshed in the Resilient platform for the deleted member with Status set to Deleted.

Search...

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Proofpoint TRAP List Members

List \oplus	(a) (b) (b) (c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d	Member Description	Expiration Date	© Created At	⊕ Updated At	+ Host	Resolution \Rightarrow	TTL 0	\$ Status	
1	8	IP to block	2018-12-18T19:0 8:56Z	2017-01-11T03: 47:15Z	2017-01-11T03:47 :15Z	75.76.13.144	4	0	Enabled	•••
1	7	Hostname to block	_	2017-12-29T04: 56:13Z	2018-01-13T00:45 :16Z	trapdemo.evilsc heme.info	4	0	Enabled	•••
1	7	Suspect IP to block	2018-12-18T19:0 8:56Z	2017-01-11T03: 47:15Z	2017-01-11T03:47 :15Z	192.168.1.1	4	0	Enabled	•••
1	8	Updated IP address	2019-09-30T23:0 0:00Z	2017-01-11T03: 47:15Z	2019-10-07T15:39 :15Z	75.76.13.144	4	5	Deleted	•••
			0:00Z	47:15Z	:15Z					

► Inputs:

Name	Type	Required	Example	Tooltip
trap_list_id	number	No	_	Proofpoint TRAP List ID.
trap_member_id	number	No	_	Proofpoint TRAP List member ID.

► Outputs:

```
results = {
    # TODO: Copy and paste an example of the Function Output within this code block.
    # To see view the output of a Function, run resilient-circuits in DEBUG mode and invoke the Function.
    # The Function results will be printed in the logs: "resilient-circuits run -- loglevel=DEBUG"
}
```

► Example Pre-Process Script:

```
inputs.trap_list_id = row.list_id
inputs.trap_member_id = row.member_id
```

```
## ProofPoint Trap - fn_proofpoint_trap_delete_list_member##
# Example result:
Results {'inputs': {u'trap_list_id': 1, u'trap_member_id': 8},
         'metrics': {'package': 'fn-proofpoint-trap', 'timestamp': '2019-09-04
17:06:02', 'package_version': '1.0.0',
                      'host': 'myhost.ibm.com', 'version': '1.0', 'execution_time_ms':
39
                     },
         'success': True,
         'content': 'OK',
         'raw': '"0K"',
         'reason': None,
         'version': '1.0'
}
0.0001
# Globals
```

```
# List of fields in datatable "Proofpoint TRAP List Members" for
fn_proofpoint_trap_delete_list_member script
DATA_TBL_FIELDS = ["query_execution_time", "status"]
FN_NAME = "fn_proofpoint_trap_delete_list_member"
WF NAME = "Example: Proofpoint TRAP: Delete List Member"
STATUS = results.content
INPUTS = results.inputs
QUERY_EXECUTION_DATE = results["metrics"]["timestamp"]
# Processing
def main():
    note text = ''
    if STATUS is not None:
        note_text = "ProofPoint Trap Integration Integration: Workflow <b>{0}</b>:
There was a valid result returned for Resilient function " \
                   "<b>{1}</b>".format(WF_NAME, FN_NAME)
        row.query_execution_date = QUERY_EXECUTION_DATE
        if STATUS.lower() == "ok":
            row.status = "Deleted"
    else:
        noteText += "ProofPoint Trap Integration: Workflow <b>{0}</b>: There were
<b>no</b> results returned for " \
                    "list id <b>{1}</b> for Resilient function <b>{3}
</b>".format(WF NAME, INPUTS["trap list id"], FN NAME)
    incident.addNote(helper.createRichText(note text))
if __name__ == "__main__":
    main()
```

Data tables:

Data Table - Proofpoint TRAP Events

This data table is populated by the **poller** for each Resilient incident and has an entry for each event detected in the corresponding Proofpoint incident.



API Name:

proofpoint_trap_events

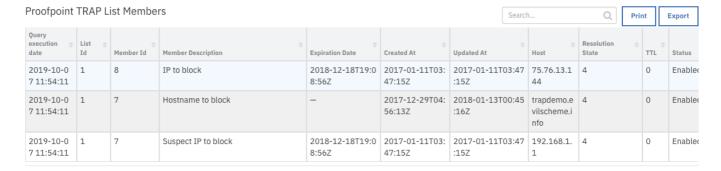
Columns:

Column Name	API Access Name	Туре	Tooltip
Attack Direction	event_attackdirection	text	-
Event Category	event_category	text	-
Description	event_description	text	-
Event Id	event_id	number	-
Event Received	event_received	text	-
Severity	event_severity	text	-
Source	event_source	text	-
State	event_state	text	-
Threat Name	event_threatname	text	-

Data Table - Proofpoint TRAP List Members

This data table is typically initially populated by a workflow using the Function Proofpoint TRAP: Get List Members. An entry is created for all members selected in the workflow.

The data table is also updated by functions Proofpoint TRAP: Add Members to List, Proofpoint TRAP: Update List Member and Proofpoint TRAP: Delete List Member.



API Name:

trap_list_members

Columns:

Column Name	API Access Name	Туре	Tooltip
Created At	created_at	text	-
Expiration Date	expiration	text	-
Host	host	text	-
List Id	list_id	number	-
Member Description	member_description	text	-
Member Id	member_id	number	-
Query Execution Date	query_execution_date	text	-

Column Name	API Access Name	Туре	Tooltip
Resolution State	resolution_state	text	-
Status	status	text	-
TTL	ttl	number	-
Updated At	updated_at	text	-

Custom Fields

Label	API Access Name	Туре	Prefix	Placeholder	Tooltip
proofpoint_trap_incident_id	<pre>proofpoint_trap_incident_id</pre>	number	properties	-	Proofpoint TRAP incident ID.

Rules

Rule Name	Object	Workflow Triggered	
Example: Proofpoint TRAP: Get Incident Details	incident	wf_proofpoint_trap_get_incident_details	
Example: Proofpoint TRAP: Get List Members	incident	wf_proofpoint_trap_get_list_members	
Example: Proofpoint TRAP: Add Member to List	artifact	wf_proofpoint_trap_add_member_to_list	
Example: Proofpoint TRAP: Update List Member	trap_list_members	wf_proofpoint_trap_update_list_member	
Example: Proofpoint TRAP: Delete List Member	trap_list_members	wf_proofpoint_trap_delete_list_member	