

# QRadar SOAR Content Package for QRadar Advisor and MITRE ATT&CK™

## Description

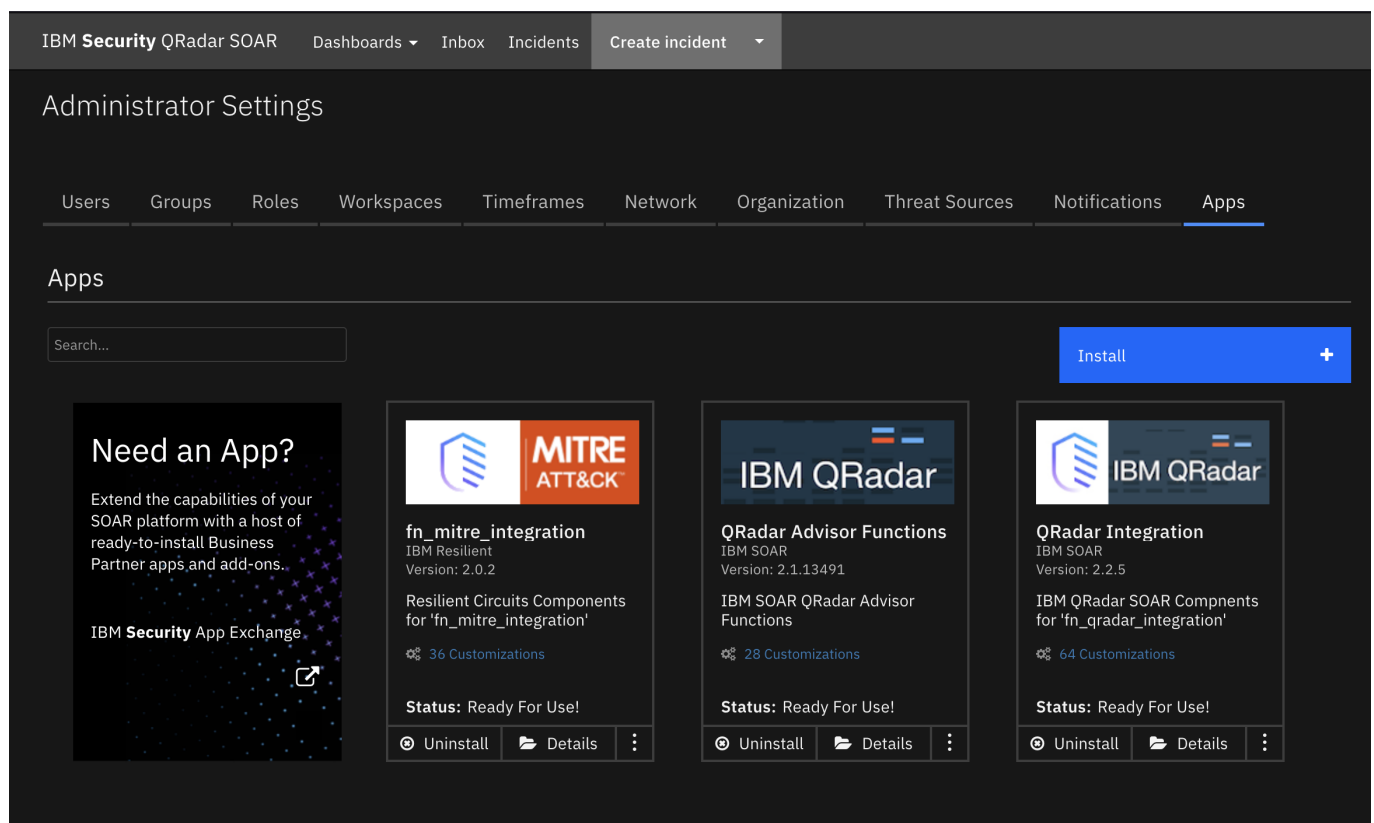
This content package contains a single resource file with the following workflows:

1. Example of QRadar Advisor Offense Analysis with MITRE
  - Retrieve analysis and insights from QRadar Advisor, together with MITRE ATT&CK tactic
  - Retrieve MITRE ATT&CK techniques related to the tactic above
2. Example of mapping QRadar rule to tactic
  - Retrieve mapping of a QRadar rule to MITRE ATT&CK tactic(s) from QRadar Advisor
  - Retrieve MITRE ATT&CK techniques related to the tactic above

## Package Dependencies

The workflows in this package depend on the following integration packages

- QRadar Advisor integration 2.1.0
- QRadar integration 2.2.5
- MITRE integration 2.0.2



IBM Security QRadar SOAR Dashboards ▾ Inbox Incidents Create incident ▾

### Administrator Settings

Users Groups Roles Workspaces Timeframes Network Organization Threat Sources Notifications **Apps**

#### Apps

Search...

**Install** +

**Need an App?**

Extend the capabilities of your SOAR platform with a host of ready-to-install Business Partner apps and add-ons.

IBM Security App Exchange

**fn\_mitre\_integration**

IBM Resilient  
Version: 2.0.2

Resilient Circuits Components for 'fn\_mitre\_integration'

36 Customizations

**Status:** Ready For Use!

Uninstall Details

**IBM QRadar**

**QRadar Advisor Functions**

IBM SOAR  
Version: 2.1.13491

IBM SOAR QRadar Advisor Functions

28 Customizations

**Status:** Ready For Use!

Uninstall Details

**IBM QRadar**

**QRadar Integration**

IBM SOAR  
Version: 2.2.5

IBM QRadar SOAR Components for 'fn\_qradar\_integration'

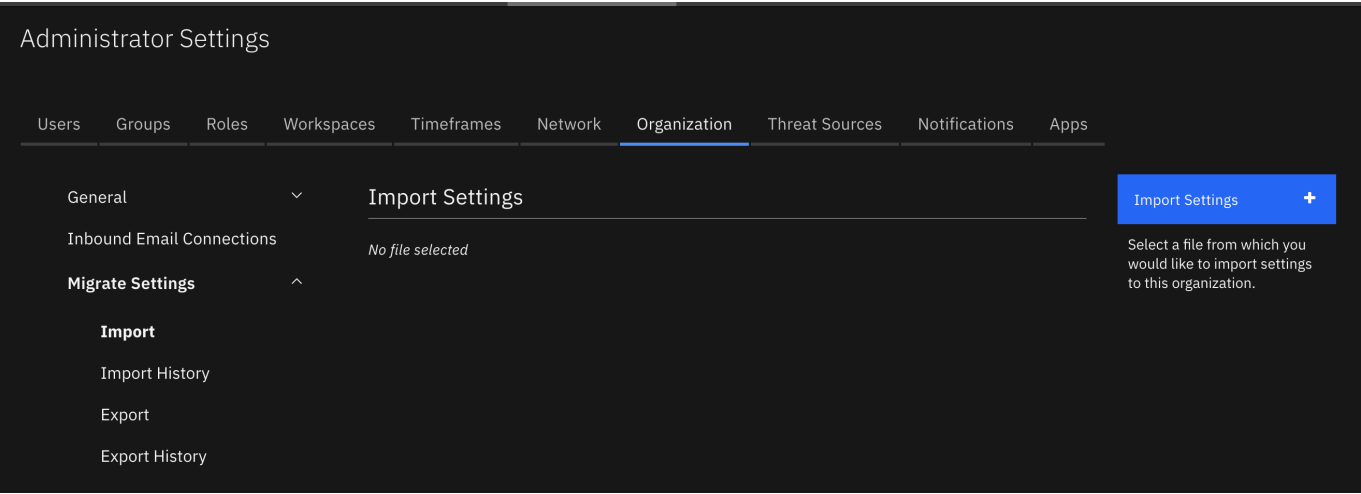
64 Customizations

**Status:** Ready For Use!

Uninstall Details

## Import

First ensure that the above integration packages have been installed. Download the res\_qraw\_mitre package. Unzip it if necessary(tar -xvf res\_qraw\_mitre.tar). In the QRadar SOAR UI, go to Administrator Settings->Organization->Migrate Settings->Import->Import Settings and select the qraw\_mitre.res file downloaded above.

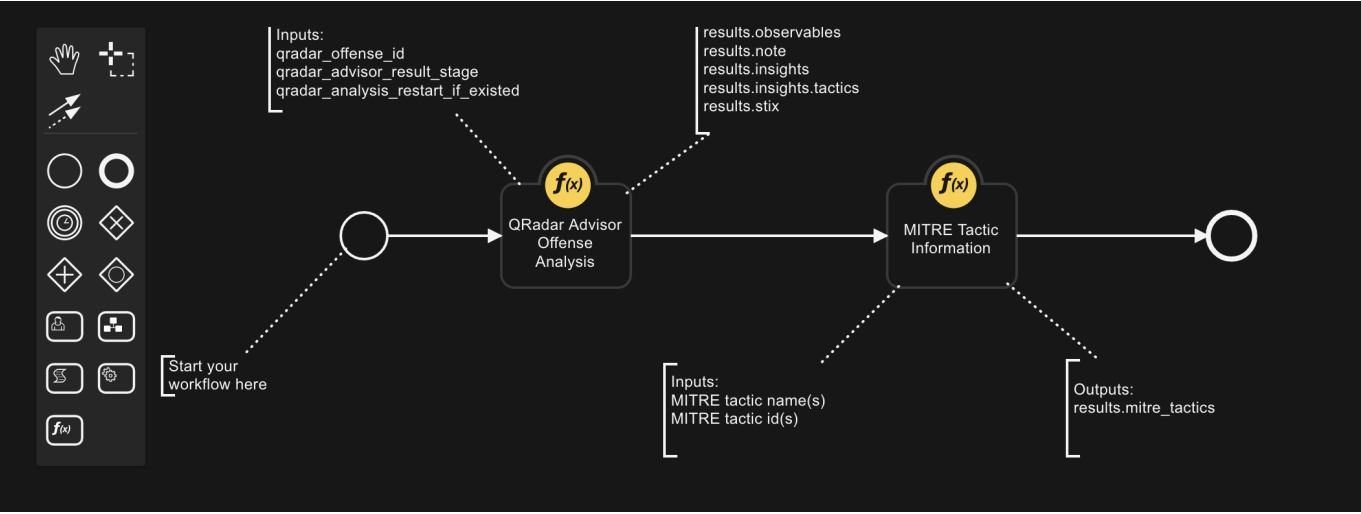


Usage

Once the resource file is successfully imported, the workflows included in the file are ready for use.

Example of QRadar Advisor Offense Analysis with MITRE

This workflow invokes two functions from two integration packages.



► Inputs Qradar Advisor Offense Analysis:

Name	Type	Required	Example	Tooltip
qradar_offense_id	text	Yes	—	QRadar Offense ID
qradar_advisor_result_stage	select	No	—	stage1(Local), stage2(Watson enriched), stage3(Expanded local context)

Name	Type	Required	Example	Tooltip
<code>qradar_analysis_restart_if_existed</code>	boolean	No	–	restart the analysis if there is an existing result

► Outputs Qradar Advisor Offense Analysis:

**NOTE:** This example might be in JSON format, but `results` is a Python Dictionary on the SOAR platform.

```

results = {
    "insights": {
        "high_value_assets": [],
        "high_value_users": [],
        "insights": "Watson has analyzed this offense and a total of three
observables. The reasoning process has not found any additional
indicators that are related to this offense. No data points were found to
be linked with the offense. One indicator was related to suspicious
activity, and all indicators were active. In particular, one IP address
has been found, which is known to be suspicious or malicious.",
        "is_stage3_pending": false,
        "malware_families": [],
        "related_investigations": [
            {
                "analysis_time": null,
                "concern_score": null,
                "id": 1,
                "is_search": true,
                "priority": null,
                "source": null,
                "type": "Investigations"
            }
        ],
        "risky_users": [],
        "stage3_insights": "",
        "start_time": 1659629011957,
        "stop_time": 1659636230480,
        "tactics": [
            {
                "confidence": 60,
                "data_sources": [
                    "xfe"
                ],
                "event_count": 206,
                "flow_count": 0,
                "id": "TA0011",
                "nodes": [
                    {
                        "is_internal": false,
                        "label": "89.223.26.52",
                        "type": "IpAddress"
                    }
                ]
            }
        ]
    }
}

```

```

    ],
    "rules": [],
    "tactic_id": "Command and Control",
    "techniques": []
  }
],
"threat_actors": [],
"watched_users": []
},
"note": "\u003cul\u003e\u003cli\u003e\u003cimg
src=\"https://raw.githubusercontent.com/freetaxii/stix2-
graphics/master/icons/png/stix2-meta-icons-png/identity-square-dark-300-
dpi.png\" alt=\"identity\" style=\"width:20px; height:20px\"/>\u003e
userD\u003c/li\u003e\u003cul style=\"list-style-
type:none\" \u003e\u003cli\u003e\u003cimg
src=\"https://raw.githubusercontent.com/freetaxii/stix2-
graphics/master/icons/png/stix2-sco-network-address-icons-png/ipv4-addr-
square-dark-300-dpi.png\" alt=\"ipv4-addr\" style=\"width:20px;
height:20px\"/>\u003e
192.168.0.17\u003c/li\u003e\u003c/ul\u003e\u003c/ul\u003e\u003cul\u003e\u003e\u003cli\u003e\u003cimg
src=\"https://raw.githubusercontent.com/freetaxii/stix2-
graphics/master/icons/png/stix2-sco-network-address-icons-png/ipv4-addr-
square-dark-300-dpi.png\" alt=\"ipv4-addr\" style=\"width:20px;
height:20px\"/>\u003e 89.223.26.52\u003c/li\u003e\u003cul style=\"list-
style-type:none\" \u003e\u003cli\u003e\u003cimg
src=\"https://raw.githubusercontent.com/freetaxii/stix2-
graphics/master/icons/png/stix2-sco-network-address-icons-png/ipv4-addr-
square-dark-300-dpi.png\" alt=\"ipv4-addr\" style=\"width:20px;
height:20px\"/>\u003e 192.168.0.17\u003cimg
src=\"https://image.flaticon.com/icons/svg/282/282100.svg\" alt=\"link\"
style=\"width:15px; height:15px\"/>\u003e\u003c/li\u003e\u003cli\u003e\u003ex-
mitre-tactic Command and
Control\u003c/li\u003e\u003c/ul\u003e\u003c/ul\u003e\u003c/ul\u003e\u003cul\u003e\u003e\u003cli
\u003e\u003cimg src=\"https://raw.githubusercontent.com/freetaxii/stix2-
graphics/master/icons/png/stix2-sco-network-address-icons-png/ipv4-addr-
square-dark-300-dpi.png\" alt=\"ipv4-addr\" style=\"width:20px;
height:20px\"/>\u003e 193.184.16.214\u003c/li\u003e\u003cul style=\"list-
style-type:none\" \u003e\u003cli\u003e\u003cimg
src=\"https://raw.githubusercontent.com/freetaxii/stix2-
graphics/master/icons/png/stix2-sco-network-address-icons-png/ipv4-addr-
square-dark-300-dpi.png\" alt=\"ipv4-addr\" style=\"width:20px;
height:20px\"/>\u003e 192.168.0.17\u003cimg
src=\"https://image.flaticon.com/icons/svg/282/282100.svg\" alt=\"link\"
style=\"width:15px;
height:15px\"/>\u003e\u003c/li\u003e\u003c/ul\u003e\u003c/ul\u003e\u003c/ul\u003e\u003cp\u003e
003eThere are 5 objects and 2 links.\u003c/p\u003e",
"observables": [
  {
    "description": "userD",
    "relevance": "very-high",
    "toxicity": "very-low",
    "type": "identity"
  },

```

```

    {
      "description": "89.223.26.52",
      "relevance": "medium",
      "toxicity": "high",
      "type": "ipv4-addr"
    },
    {
      "description": "192.168.0.17",
      "relevance": "medium",
      "toxicity": "very-low",
      "type": "ipv4-addr"
    },
    {
      "description": "193.184.16.214",
      "relevance": "medium",
      "toxicity": "very-low",
      "type": "ipv4-addr"
    },
    {
      "description": "Command and Control",
      "relevance": "",
      "toxicity": "",
      "type": "x-mitre-tactic"
    }
  ],
  "stix": {
    "id": "bundle--9813614d-e715-4ad4-a4bd-7cf204190449",
    "objects": [
      {
        "created": "2022-08-04T17:08:32.000Z",
        "id": "identity--2f4ac158-751e-42de-bf88-2a02fe6a5840",
        "identity_class": "individual",
        "modified": "2022-08-04T17:08:32.000Z",
        "name": "userD",
        "type": "identity",
        "x_ibm_security_relevance": "very-high",
        "x_ibm_security_toxicity": "very-low"
      }
    ],
    "spec_version": "2.0",
    "type": "bundle"
  }
}

```

► Example Qradar Advisor Offense Analysis Pre-Process Script:

```

#
# This sample workflow uses the custom field (qradar_id) to perform
# an offense analysis in QRadar Advisor
#
inputs.qradar_offense_id = incident.properties.qradar_id

```

► Example Qradar Advisor Offense Analysis Post-Process Script:

► Inputs MITRE Tactic Information:

Name	Type	Required	Example	Tooltip
mitre_tactic_name	text	No	Initial Access	MITRE Tactic Name
mitre_tactic_id	text	No	TA0001	MITRE Tactic Id

► Outputs MITRE Tactic Information:

**NOTE:** This example might be in JSON format, but `results` is a Python Dictionary on the SOAR platform.

```

results = {
    'version': '1.0',
    'success': True,
    'reason': None,
    'content': {
        "mitre_tactics": [
            {
                "name": String,
                "id": String,
                "ref": "String",
                "collection": "String",
                "mitre_techniques": [
                    {
                        "name": "String",
                        "description": "String",
                        "external_references": [{"url": "String"}],
                        "x_mitre_detection": "String",
                        "id": "String",
                        "collection": "String"
                    }
                ]
            }
        ]
    },
    'inputs': {'mitre_tactic_id': None,
               'mitre_tactic_name': 'Initial Access, Execution,
               Credential Access'},
    'metrics': {'version': '1.0',
                'package': 'fn-mitre-integration', 'package_version':
'2.0.2',
                'host': 'MacBook-Pro.local',
                'execution_time_ms': 114275,
                'timestamp': '2022-09-26 12:56:58'
    }
}

```

```

    }
}

```

► Example MITRE Tactic Information Pre-Process Script:

```

insights = workflow.properties.qraw_offense_insights.insights

tactics = insights["tactics"]

mitre_tactic_names = []
if tactics is not None:
    for tactic in tactics:
        #
        # Note, even though QRAW calls it tactic_id, it is more a tactic name
        #
        mitre_tactic_names.append(tactic["tactic_id"])
#
# QRadar Advisor might return more than one tactics for a given offense.
# Include them inputs
# a comma separated string
#
inputs.mitre_tactic_name = ", ".join(mitre_tactic_names)

```

► Example MITRE Tactic Information Post-Process Script:

```

""" Example of data returned in ResultPayload's content
{
  "mitre_tactics": [
    {
      "name": String,
      "id": String,
      "ref": "String",
      "collection": "String",
      "mitre_techniques": [
        {
          "name": "String",
          "description": "String",
          "external_references": [{"url": "String"}],
          "x_mitre_detection": "String",
          "id": "String",
          "collection": "String"
        }
      ]
    }
  ]
}
"""
# Read result from QRAW to get confidence information

```

```

insights = workflow.properties.qraw_offense_insights.insights
mitre_tactics = insights["tactics"]

tactic_confidence = {}
if mitre_tactics is not None:
    for tactic in mitre_tactics:
        tactic_confidence[tactic["tactic_id"]] = tactic["confidence"]

tactics = results.content["mitre_tactics"]

for tactic in tactics:
    #
    # MITRE ATTACK of Incident Datatable
    #
    tactic_row = incident.addRow("mitre_attack_of_incident")
    tactic_row["collection"] = tactic["collection"]
    tactic_row["attack_tactic"] = tactic["name"]
    tactic_row["tactic_code"] = tactic["id"]
    url_html = '<a href="' + tactic["ref"] + '">' + tactic["ref"] + '</a>'
    <br>'
    tactic_row["reference"] = helper.createRichText(url_html)
    tactic_row["confidence"] = str(tactic_confidence.get(tactic["name"],
    ""))
    #
    # MITRE ATT&CK techniques Datatable
    #
    techs = tactic["mitre_techniques"]
    for att_tech in techs:
        tech_row = incident.addRow("mitre_attack_techniques")
        tech_row["collection"] = tactic["collection"]
        tech_row["tactic"] = tactic["name"]

        tech_row["technique_name"] = att_tech["name"]
        tech_row["technique_description"] =
        helper.createRichText(att_tech["description"])
        refs = att_tech["external_references"]
        ref_html = ""
        for ref in refs:
            url = ref["url"]

            https_str = "https://"
            http_str = "http://"

            start_pos = url.find(https_str)

            if start_pos != -1:
                start_pos = start_pos + len(https_str)
            else:
                # try http://
                start_pos = url.find(http_str)
                if start_pos != -1:
                    start_pos = start_pos + len(http_str)
                else:
                    start_pos = 0

```

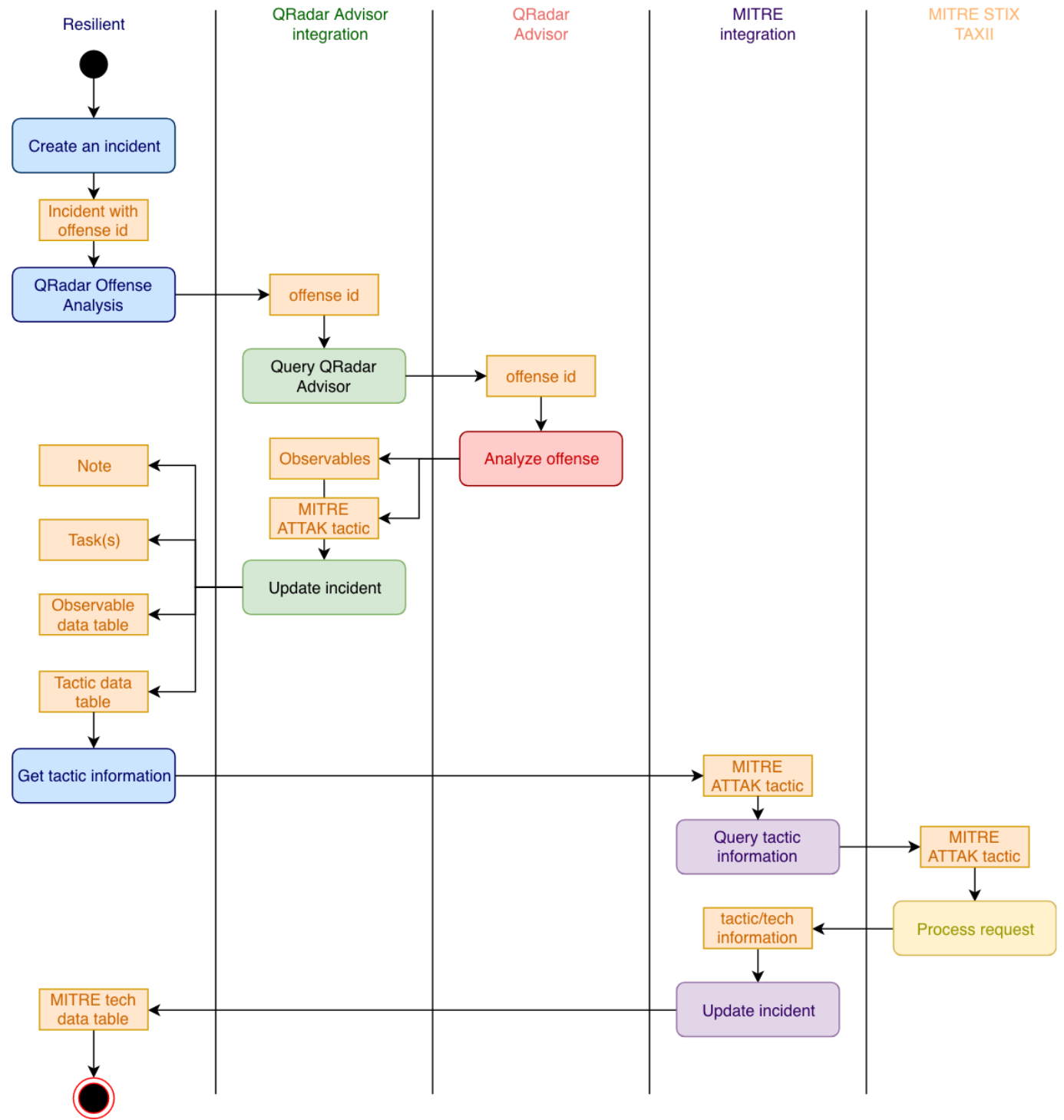


```
end_pos = url.find('/', start_pos)
if end_pos == 0:
    # We don't know how to extract
    display_str = url
elif end_pos == -1:
    display_str = url[start_pos:]
else:
    display_str = url[start_pos:end_pos]

ref_html = ref_html + '<a href="' + ref["url"] + '"' + display_str
+ '</a><br>'
tech_row["references"] = helper.createRichText(ref_html)
tech_row["detection"] =
helper.createRichText(att_tech["x_mitre_detection"])
tech_row["technique_id"] = att_tech["id"]
```

---

"QRadar Advisor Offense Analysis" is a function from the QRadar Advisor integration, and "MITRE Tactic Information" is a function from the MITRE integration. The data flow is shown below



Here, a user starts from an incident with a QRadar offense id. In the following example, the incident is escalated from QRadar offense 3.

MITRE

qradar\_id 3 Edit

MITRE ATT&CK Tactics

Search... Print Export

MITRE Collection	Tactic ID	Tactic Name	Confidence	Tactic Reference	
Enterprise ATT&CK	TA0001	Initial Access	44	<a href="https://attack.mitre.org/tactics/TA0001">https://attack.mitre.org/tactics/TA0001</a>	⋮
Mobile ATT&CK	TA0027	Initial Access	44	<a href="https://attack.mitre.org/tactics/TA0027">https://attack.mitre.org/tactics/TA0027</a>	⋮
ICS ATT&CK	TA0108	Initial Access	44	<a href="https://attack.mitre.org/tactics/TA0108">https://attack.mitre.org/tactics/TA0108</a>	⋮
Enterprise ATT&CK	TA0011	Command and Control	44	<a href="https://attack.mitre.org/tactics/TA0011">https://attack.mitre.org/tactics/TA0011</a>	⋮
Mobile ATT&CK	TA0037	Command and Control	44	<a href="https://attack.mitre.org/tactics/TA0037">https://attack.mitre.org/tactics/TA0037</a>	⋮
ICS ATT&CK	TA0101	Command and Control	44	<a href="https://attack.mitre.org/tactics/TA0101">https://attack.mitre.org/tactics/TA0101</a>	⋮

Displaying 1 - 6 of 6

MITRE ATT&CK Techniques

Search... Print Export

MITRE Collection	Tactic Name	Technique ID	Technique Name	Technique References	Technique Description	Technique Detection	
Enterprise ATT&CK	Initial Access	T1078.004	Cloud Accounts	<a href="https://attack.mitre.org">attack.mitre.org</a> <a href="https://aws.amazon.com">aws.amazon.com</a> <a href="https://cloud.google.com">cloud.google.com</a> <a href="https://docs.microsoft.com">docs.microsoft.com</a>	Adversaries may obtain and abuse credentials of a cloud account as a means of gaining Initial Access, Persistence, Privilege Escalation, or Defense Evasion. Cloud accounts are those created and configured by an	Monitor the activity of cloud accounts to detect abnormal or malicious behavior, such as accessing information outside of the normal function of the account or account usage at	⋮

Note for convenience, a tab was created to hold all the related information here. To do analysis for the related offense, select the incident rule from the Actions->"QRadar Advisor Offense Analysis with MITRE" menu, to start this workflow. The first function, "QRadar Advisor Offense Analysis", is called to get the analysis and insights of the offense from QRadar Advisor. The insights contains MITRE ATT&CK tactic information, shown in the "MITRE ATT&CK Tactics" data table. In this example, QRadar Advisor returns a tactics called "Initial Access" and "Command and Control" together with a confidence value of 44 (out of 100).

With this information, the second function "MITRE Tactic Information" is called. This function retrieves the following information from the MITRE STIX TAXII server:

- Tactic ID
- Reference link to tactic
- Techniques related to this tactic The information is populated into the "MITRE ATT&CK Techniques" data table.

Note that from the "MITRE ATT&CK Techniques" data table, the user can easily create a task for a selected technique, by clicking a data table menu item.

MITRE ATT&CK Techniques

Search...

Print

Export

MITRE Collection	Tactic Name	Technique ID	Technique Name	Technique References	Technique Description	Technique Detection
Enterprise ATT&CK	Initial Access	T1078.004	Cloud Accounts	<a href="https://attack.mitre.org">attack.mitre.org</a> <a href="https://aws.amazon.com">aws.amazon.com</a> <a href="https://cloud.google.com">cloud.google.com</a> <a href="https://docs.microsoft.com">docs.microsoft.com</a>	Adversaries may obtain and abuse credentials of a cloud account as a means of gaining Initial Access, Persistence, Privilege Escalation, or Defense Evasion. Cloud accounts are those created and configured by an organization for use by users, remote support, services, or for administration of resources within a cloud service provider or SaaS application. In some cases, cloud accounts may be federated with traditional identity management	Monitor the activity of cloud accounts to detect abnormal <div>MITRE: Create Task for ATT&amp;CK Technique</div> accessing information outside of the normal function of the account or account usage at atypical hours.

A new task is created with description, detection, and mitigation for the selected technique.

QRadar ID 3 , Detected A Successful Logi... / Tasks /

MITRE ATT&CK Technique: Cloud Accounts

Complete and Close

Details

Notes

Members

Attachments

Edit

This task is optional

Mark Task Required

Owner

Unassigned

Due Date

Creator

Admin User

Date Initiated

08/25/2022 15:09

Date Closed

Instructions

Description

Adversaries may obtain and abuse credentials of a cloud account as a means of gaining Initial Access, Persistence, Privilege Escalation, or Defense Evasion. Cloud accounts are those created and configured by an organization for use by users, remote support, services, or for administration of resources within a cloud service provider or SaaS application. In some cases, cloud accounts may be federated with traditional identity management system, such as Window Active Directory.(Citation: AWS Identity Federation)(Citation: Google Federating GC)(Citation: Microsoft Deploying AD Federation) Compromised credentials for cloud accounts can be used to harvest sensitive data from online storage accounts and databases. Access to cloud accounts can also be abused to gain Initial Access to a network by abusing a Trusted Relationship. Similar to Domain Accounts, compromise of federated cloud accounts may allow adversaries to more easily move laterally within an environment. Once a cloud account is compromised, an adversary may perform Account Manipulation - for example, by adding Additional Cloud Roles - to maintain persistence and potentially escalate their privileges.

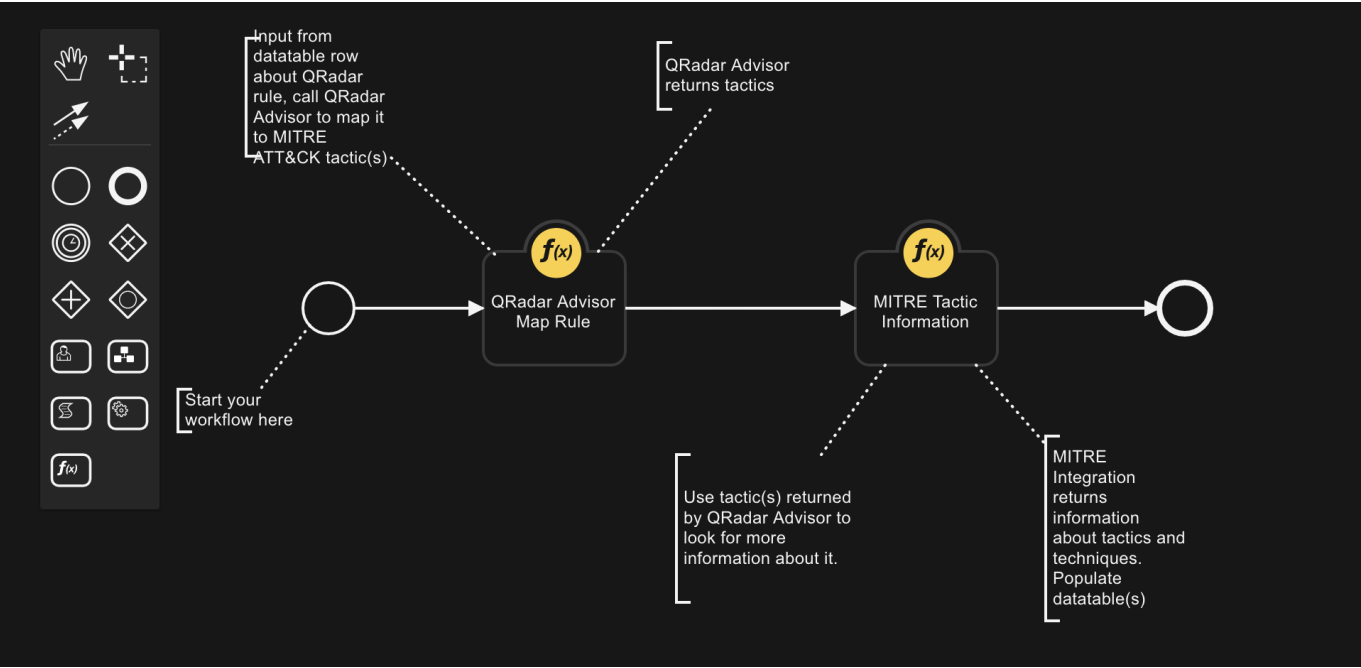
Detection

Monitor the activity of cloud accounts to detect abnormal or malicious behavior, such as accessing information outside of the normal function of the account or account usage at atypical hours.

Mitigation

Example of mapping QRadar rule to tactic

This workflow also contains two functions.



► Inputs Qradar Advisor Map Rule:

Name	Type	Required	Example	Tooltip
qradar_rule_name	text	Yes	EC: Personal Data Transferred to Third Countries/Regions	Name of QRadar rule

► Outputs QRadar Advisor Map Rule:

**NOTE:** This example might be in JSON format, but `results` is a Python Dictionary on the SOAR platform.

```
results = {
  "tactics": {
    "has_ibm_default": true,
    "id": "c0dfacf7-235e-416c-9b2b-c250ef8f3919",
    "last_updated": 1607611408002,
    "mapping": {
      "Initial Access": {
        "confidence": "high",
        "enabled": true,
        "ibm_default": true,
        "id": "TA0001",
        "techniques": {
          "Valid Accounts": {
            "confidence": "high",
            "enabled": true,
            "id": "T1078"
          }
        }
      },
      "user_override": false
    }
  }
}
```

```
    },
    "min-mitre-version": 7
  }
}
```

► Example Qradar Advisor Map Rule Pre-Process Script:

```
inputs.qradar_rule_name = row.source
```

► Example Qradar Advisor Map Rule Post-Process Script:

► Inputs MITRE Tactics Information:

Name	Type	Required	Example	Tooltip
mitre_tactid_id	text	No	TA0001	MITRE Tactic ID
mitre_tactid_name	text	No	Initial Access	MITRE Tactic Name

► Outputs MITRE Tactics Information:

► Example MITRE Tactic Information Pre-Process Script:

```
"""
Sample data from QRaw:
{
  u'id': u'SYSTEM-1458',
  u'has_ibm_default': True,
  u'mapping': {
    u'Privilege Escalation': {
      u'user_override': False,
      u'confidence': u'high',
      u'ibm_default': True,
      u'enabled': True,
      u'techniques': {}
    },
    u'Execution': {
      u'user_override': False,
      u'confidence': u'high',
      u'ibm_default': True,
      u'enabled': True,
      u'techniques': {}
    }
  }
}
```

```

        },
        u'Initial Access': {
            u'user_override': False,
            u'confidence': u'high',
            u'ibm_default': True,
            u'enabled': True,
            u'techniques': {}
        }
    }
}
"""

tactics = workflow.properties.qraw_rule_map.tactics

mapping = tactics["mapping"]

att_tactics = ", ".join(mapping.keys())
inputs.mitre_tactic_name = att_tactics

```

► Example MITRE Tactic Information Post-Process Script:

```

""" Example of data returned in ResultPayload's content
{
    "mitre_tactics": [
        {
            "name": String,
            "id": String,
            "ref": "String",
            "collection": "String",
            "mitre_techniques": [
                {
                    "name": "String",
                    "description": "String",
                    "external_references": [{"url": "String"}],
                    "x_mitre_detection": "String",
                    "id": "String",
                    "collection": "String"
                }
            ]
        }
    ]
}
"""

# Read result from QRAW to get confidence information
mapping = workflow.properties.qraw_rule_map.tactics["mapping"]
tactic_names = mapping.keys()

tactic_confidence = {}
if tactic_names is not None:
    for t_name in tactic_names:
        tactic_confidence[t_name] = mapping[t_name]["confidence"]

```

```

tactics = results.content["mitre_tactics"]

for tactic in tactics:
    #
    # MITRE ATTACK of Incident Datatable
    #
    tactic_row = incident.addRow("mitre_attack_of_incident")
    tactic_row["collection"] = tactic["collection"]
    tactic_row["attack_tactic"] = tactic["name"]
    tactic_row["tactic_code"] = tactic["id"]
    url_html = '<a href="' + tactic["ref"] + '">' + tactic["ref"] + '</a>'
    <br>'
    tactic_row["reference"] = helper.createRichText(url_html)
    tactic_row["confidence"] = str(tactic_confidence.get(tactic["name"],
    ""))
    #
    # MITRE ATT&CK techniques Datatable
    #
    techs = tactic["mitre_techniques"]
    for att_tech in techs:
        tech_row = incident.addRow("mitre_attack_techniques")
        tech_row["collection"] = tactic["collection"]
        tech_row["tactic"] = tactic["name"]

        tech_row["technique_name"] = att_tech["name"]
        tech_row["technique_description"] =
        helper.createRichText(att_tech["description"])
        refs = att_tech["external_references"]
        ref_html = ""
        for ref in refs:
            url = ref["url"]

            https_str = "https://"
            http_str = "http://"

            start_pos = url.find(https_str)

            if start_pos != -1:
                start_pos = start_pos + len(https_str)
            else:
                # try http://
                start_pos = url.find(http_str)
                if start_pos != -1:
                    start_pos = start_pos + len(http_str)
                else:
                    start_pos = 0

            end_pos = url.find('/', start_pos)
            if end_pos == 0:
                # We don't know how to extract
                display_str = url
            elif end_pos == -1:
                display_str = url[start_pos:]
            else:

```



```
display_str = url[start_pos:end_pos]

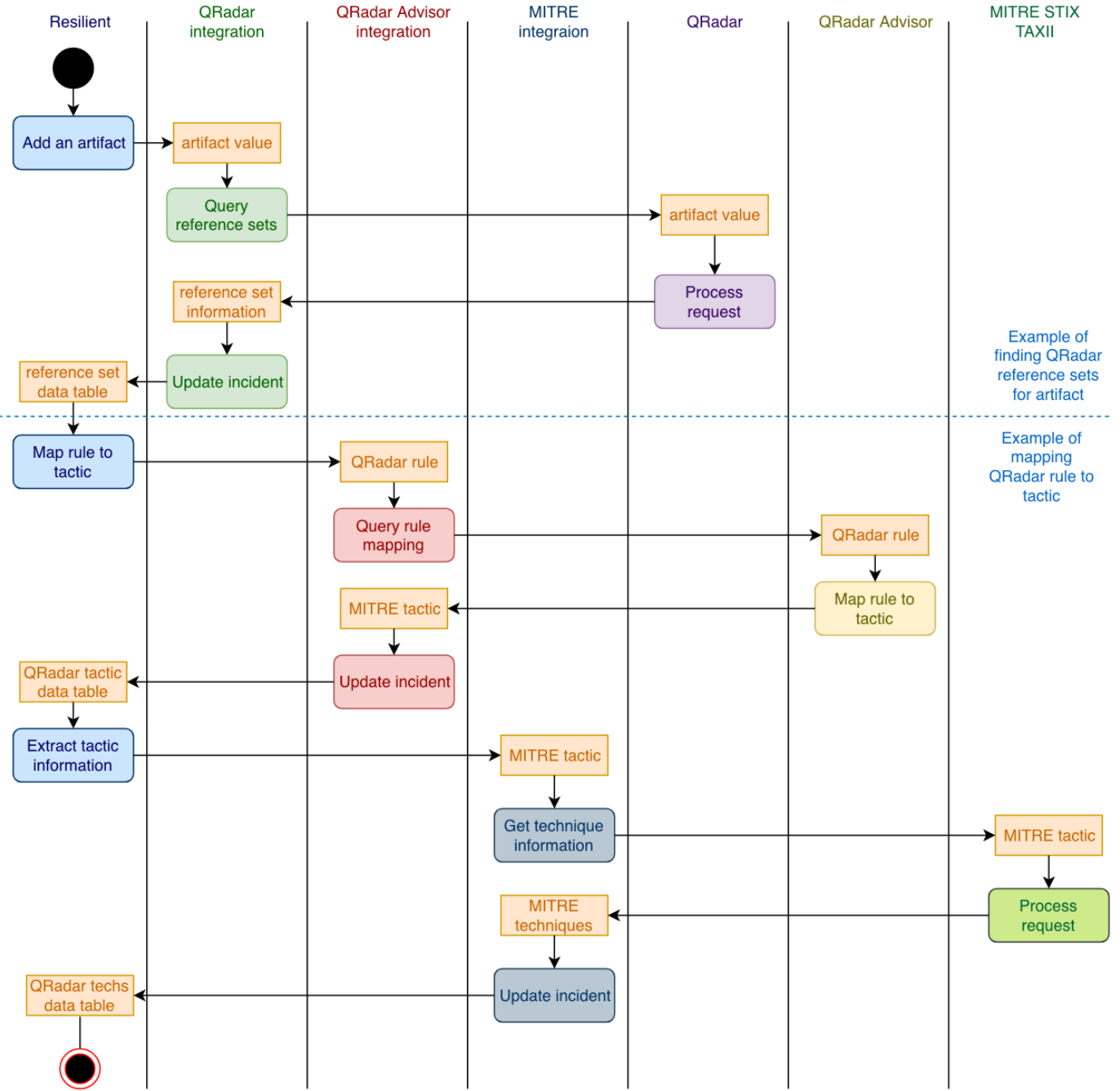
ref_html = ref_html + '<a href="' + ref["url"] + '"' + display_str
+ '</a><br>'
tech_row["references"] = helper.createRichText(ref_html)
tech_row["detection"] =
helper.createRichText(att_tech["x_mitre_detection"])
tech_row["technique_id"] = att_tech["id"]
```

---

"QRadar Advisor Map Rule" is a function from the QRadar Advisor integration, and "MITRE Tactic Information" is a function from the MITRE integration.

This workflow can be used together with the "Example of finding all QRadar reference sets for artifact" workflow from the QRadar integration 2.0. These two workflows can make a complete use case.

This use case starts with an artifact. The dataflow is shown below.



In this example, an IP address (193.184.16.214) was added to an incident as an artifact. The user can then select the rule, "Find All QRadar Reference Sets". It is a rule included in QRadar integration 2.0.

Set timeframe

Add Artifact

Filters

Flags	Hits	Threat Sources	Related Incide... Count	Type	Value	Tags	Actions
			0	IP Address	89.223.26.52	—	⋮
			0	IP Address	193.184.16.214	—	⋮
			0	User Ac			⋮
Items per page 25		1-3 of 3 items		Ignore Relationships			
				Add to QRadar Reference Set for qradar_9_21_118_188_1102			
				Find All QRadar Reference Sets			
				Find in QRadar Reference Set			
				Find in QRadar Reference Set			

The result is shown in the "QRadar Reference Set" data table. Note that the "Source" column (if not empty) shows the QRadar rule that added this IP into the reference set. In this example, a rule called "EC: Personal Data Transferred to Third Countries/Regions" monitors source IPs that contact external malicious sites, and logs the source IPs into a Reference Set called "EC Compromised Hosts". This IP address (193.184.16.214) is in that Reference Set.

Once the "QRadar Reference Set" data table is populated with data, user can select "Map rule to MITRE tactic".

QRadar Reference Sets

Search...

Print

Export

QRadar Server	Reference Set	Item Value	Source	
9.21.118.188	EC Compromised Hosts	89.223.26.52	EC: Personal Data Transferred to Third Countries/Regions	⋮

Displaying 1 - 1 of 1

Map rule to MITRE tactic

This manual item invokes the "Example of mapping QRadar rule to tactic" workflow of this package.

The workflow first call "QRadar Advisor Map Rule" function to map the rule to MITRE ATT&CK tactic.

In this example, QRadar Advisor maps the rule "EC: Personal Data Transferred to Third Countries/Regions" into a MITRE ATT&CK tactic called "Initial Access".

With this tactic information, the workflow makes a second call to the MITRE integration function, "MITRE Tactic Information" to get all the MITRE ATT&CK techniques related to this tactic. Similar to the first workflow, technique information is shown in the "MITRE ATT&CK Techniques" data table. From here, the user can create tasks for selected techniques.

## Uninstall

Manually delete the following:

- 1. Rules

- "Map rule to MITRE tactic"
- "QRadar Advisor Offense Analysis with MITRE"

## 2. Workflows

- Example of QRadAr Advisor Offense Analysis with MITRE
- Example of mapping QRadAr rule to tactic