SNDBOX Sandbox Analyzer Function for IBM Resilient

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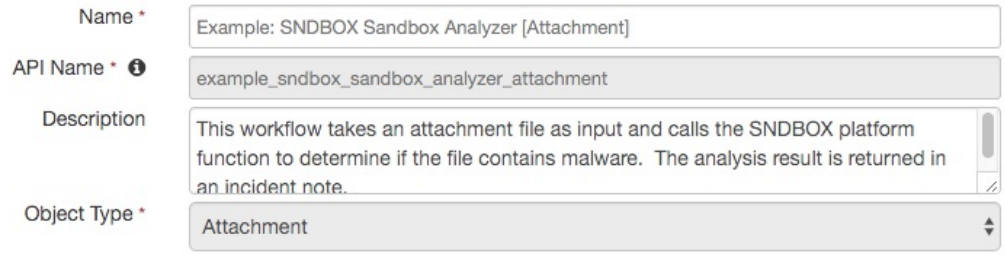
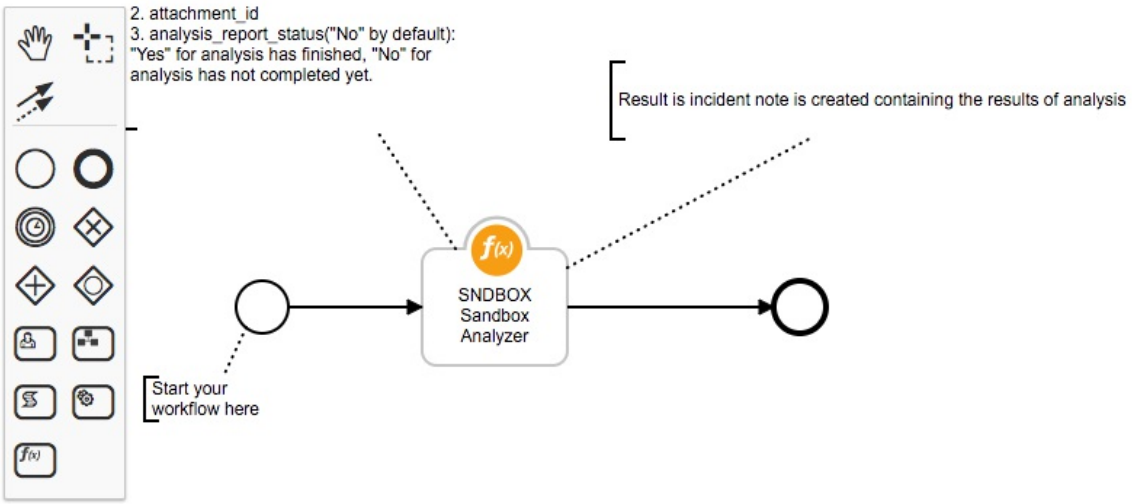
This package contains a function that executes a SNDBOX Malware Sandbox Analysis using SNDBOX Cloud APIs, also included are two example workflows and two example rules that demonstrate how to use this function.





- an attachment or artifact must be a file.
- The report only supports Type of JSON. HTML and PDF are not supported
- Supports a proxy. Just add your proxy details to the proxy section in `app.config` file.

app.config settings:

```
# Your SNDBOX Analyzer API Key
sndbox_api_key=

# Your SNDBOX Server URL, using https://api.sndbox.com if empty.
sndbox_analyzer_url=https://api.sndbox.com

# Amount of time in seconds to wait until timeout.
sndbox_analyzer_report_request_timeout=300
```

Function Inputs:

Function Name	Type	Required	Example	Info
incident_id	Number	Yes	1001	The ID of the current Incident
attachment_id	Number	No	5	The ID of the Attachment to be analyzed
artifact_id	Number	No	6	The ID of the Artifact to be analyzed
analyzer_report_status	Boolean	Yes	No	Has the analysis report generated successfully. Options are: Yes or No

---

Function Output:

```
results = {
                "analysis_report_status": analysis_report_status,
                "incident_id": incident_id,
                "artifact_id": artifact_id,
                "attachment_id": attachment_id,
                "sample_final_result": sample_final_result
            }
```

Pre-Process Script:

Example: SNDBOX Sandbox Analyzer [Attachment]

```
inputs.incident_id = incident.id
inputs.attachment_id = attatchment.id
```

Example: SNDBOX Sandbox Analyzer [Artifact]

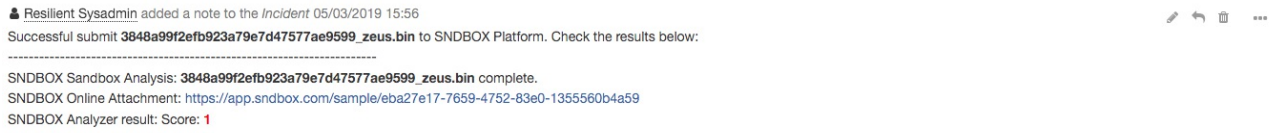
```
inputs.incident_id = incident.id
inputs.artifact_id = artifact.id
```

Post-Process Script:

This example adds a Note to the Incident and color codes the analysis_status depending if it was malicious or clean

```
def font_color(score):
    color = "green"
    try:
        if float(score) >= 0.56:
            color = "red"
    except:
        pass
    return color


if not results.analysis_report_status:
    noteText = u"""Successful submit <b>{}</b> to SNDBOX Platform. However it
will take time to generate an analysis report, please submit it again later.
<br>""".format(
        artifact.value)

else:
    noteText = u"""Successful submit <b>{}</b> to SNDBOX Platform. Check the
results below: <br>""".format(
        artifact.value)

    for sample in results.sample_final_result:
        noteText += u"""----------------------------------------------------------
----------------"""
        color = font_color(sample["sample_report"]["score"])
        noteText += u"""<br>SNDBOX Sandbox Analysis: <b>{sample_filename}</b>
complete.<br>
                    SNDBOX Online Attachment: <a href={sample_online_report}>
{sample_online_report}</a><br>
                    SNDBOX Analyzer result:  Score: <b style= "color:{color}">
{sample_score}</b> <br>
                """.format(sample_filename=sample["sample_report"]["name"],
                           sample_online_report=sample["sample_report"]
["sample_url"],
                           color=color,
                           sample_score=sample["sample_report"]["score"])

incident.addNote(helper.createRichText(noteText))
```

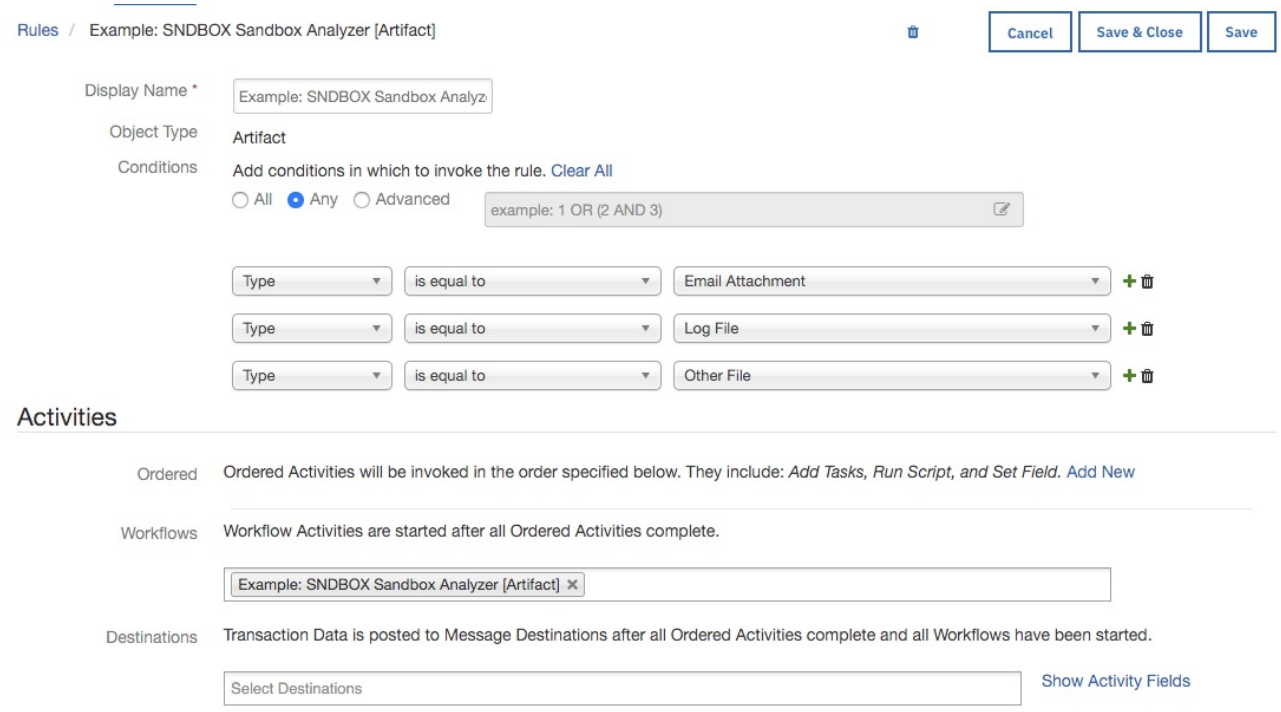
Example of adding a incident note from post-processing scripts:



Rules

Rule Name	Object Type	Workflow Triggered
Example: SNDBOX Sandbox Analysis		Example: SNDBOX Sandbox Analyzer

[Artifact] Artifact [Artifact]



Rule Name	Object Type	Workflow Triggered
Example: SNDBOX Sandbox Analyzer [Attachment]	Attachment	Example: SNDBOX Sandbox Analyzer [Attachment]