

How to check copy payload used in runtime

Last updated by | Ruoyu Li | Mar 27, 2023 at 7:18 PM PDT

Contents

- [Usage Scenarios](#)
- [Steps](#)
- [Additional Information](#)

Usage Scenarios

There can be different scenarios when you need to check the payload of copy activity used in runtime

- You need to compare the failure runs of copy activity with the successful runs to check the difference of payload.
- You need to find the input/output path of the source/sink location but they are in pipeline/dataset/linked service parameters

Steps

1. Login to [DGrep | Jarvis \(microsoftgeneva.com\)](#).
2. Select DGrep option and enter following details
 - **Endpoint** – Diagnostic Prod
 - **Namespace** – SSIMHybridDelivery
 - **Events to Search** – CustomLogEventVerbose
 - **Timerange** – Select UTC and enter same time as activity completion time and +-2 mins (because it will render lot of data)
 - **Filtering condition** – Activity Id == <Activity_ID>

Account >

Server Query Open Save Settings Link

Endpoint
Diagnostics PROD

Namespace
SSIMHybridDelivery

Events to search
type event name...
☐ Select All
☒ CustomLogEventVerbose
☐ AntimalwareEvents
☐ AuditAzFailureEvents
☐ AuditIxfxAzApp
☐ Show Azure security pack events

Time range
Now 09/12/2022 08:28 UTC ± + - 1 Minutes
-5mins -1 min +1 min +5mins 1 2 3 5 15 30

Scoping conditions Add Index
Field

Filtering conditions Simple MQL KQL
ActivityId == [redacted]
Field

3. In the result rendered, search for a row whose TraceMessage is **CopyActivityOriginalPayload**, and copy the complete **Message** Column

Client Query

```
1 where TraceMessage.contains("Payload")
```

Message	RecordTime	TraceMessage
{"activity":{"type":"Copy","typeProperties":{"source":{"type":"BinarySource","storeSettings":{"type":"AzureBlobFSReadSettings","recursive":true},"f...	09-12-2022 08:27:09	CopyActivityOriginalPayload
{"source":{"connectionProperties":{"url":"","credential":"","disableLinkLocalIPAddress":"","normalizeBinaryFolderPath":"","enableCustomDatabrickUrl...	09-12-2022 08:27:09	CopyActivityPayloadAfterConvert
{"source":{"connectionProperties":{"url":"","credential":"","disableLinkLocalIPAddress":"","normalizeBinaryFolderPath":"","enableCustomDatabrickUrl...	09-12-2022 08:27:09	CopyActivityPayloadAfterEC
{"source":{"connectionProperties":{"url":"","credential":"","disableLinkLocalIPAddress":"","normalizeBinaryFolderPath":"","enableCustomDatabrickUrl...	09-12-2022 08:27:09	CopyActivityJobPayload

4. Now you could see the exact copy payload used in copy runtime.

- You could see the values passed to parameters in runtime
- You could compare and detect if any differences between successful run and failed run

```
"inputs": [
  {
    "name": "SourceDataSet",
    "properties": {
      "type": "Binary",
      "linkedServiceName": {
        "properties": {},
        "name": ""
      },
      "parameters": {
        "sourcePath": {
          "type": "String"
        },
        "sourceContainer": {
          "type": "String"
        }
      },
      "lastUpdateUtc": "2022-09-06T11:13:50Z",
      "createTimeUtc": "2022-08-03T14:15:08Z",
      "typeProperties": {
        "location": {
          "type": "AzureBlobFSLocation",
          "fileSystem": "fs",
          "folderPath": "ARM-8156-1-Data-94712/Processing"
        },
        "enableFolderFilter": true,
        "enablePartitionInterfaceForQuery": true,
        "enablePartitionInterfaceForTabularInQuery": true
      },
      "availability": {
```

Additional Information

- Author: nikhojar, ruoli
- Reviewer: ruoli
- Keywords: payload