

SSIS IR Failed to remove from PowerShell : BadRequest

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SSIS IR Failed to remove : BadRequest

TSG ID (to be included in SR Internal title if used)

Keywords

- Azure SSIS IR
- BadRequest
- PowerShell

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Background

Azure SSIS IR failed to remove from PowerShell :

```
Remove-AzSynapseIntegrationRuntime : Long running operation failed with status 'BadRequest'.
At line:1 char:1
+ Remove-AzSynapseIntegrationRuntime -WorkspaceName "ccalderasynapsewor ...
+ ~~~~~
+ CategoryInfo          : CloseError: (:) [Remove-AzSynapseIntegrationRuntime], CloudException
+ FullyQualifiedErrorId : Microsoft.Azure.Commands.Synapse.RemoveAzureSynapseIntegrationRuntime
```

Identification

- PowerShell failed to execute the command : BadRequest

```
PS C:\Users\ccaldera> Remove-AzSynapseIntegrationRuntime -WorkspaceName "ccalderasynapseworkspace" -Name "CCAzureTestSSISIR2"

Confirm
Are you sure you want to remove integration runtime 'CCAzureTestSSISIR2' in workspace 'ccalderasynapseworkspace'?
[Y] Yes [N] No [S] Suspend [?] Help (default is "Y"): Y
Remove-AzSynapseIntegrationRuntime : Long running operation failed with status 'BadRequest'.
At line:1 char:1
+ Remove-AzSynapseIntegrationRuntime -WorkspaceName "ccalderasynapsewor ...
+ ~~~~~
+ CategoryInfo          : CloseError: (:) [Remove-AzSynapseIntegrationRuntime], CloudException
+ FullyQualifiedErrorId : Microsoft.Azure.Commands.Synapse.RemoveAzureSynapseIntegrationRuntime
```

- Kusto

1. If the customer does not provide the "Activity ID", find the "Delete" operation

```
// Synapse RP logs
//correlationId = ServiceRequestID on HttpIncomingRequests
cluster('analytics365prod.kusto.windows.net').database('Analytics365PROD').RpApiOperationsTelemetryEvent
| where workspaceName == "ccalderasynapseworkspace" and requestUri contains "CCAzureTestSSISIR2"
| where operationMethodName contains "Delete"
| project TIMESTAMP, subscription,workspaceName, operationMethodName, correlationId, httpStatusCode, httpMethod,
requestUri, HostingRegion, userAgent
```

TIMESTAMP	subscription	workspaceName	operationMethodName	correlationId	httpResponseCode	httpMethod	requestUri
2022-01-24 09:45:36.3963894	6b757c2b-ce42-4e93-80a3-bf16765afa3b	ccalderasynapseworkspace	DeleteIntegrationRuntime	21c18a20-3d9a-4c99-85a6-051d641f347b	202	DELETE	https://rpservice.eastus.synapse.azure.net/subscriptions/6b757c2b-ce42-4e93-80a3-bf16765afa3b
2022-01-24 12:46:17.2816571	6b757c2b-ce42-4e93-80a3-bf16765afa3b	ccalderasynapseworkspace	DeleteIntegrationRuntime	fb9ffa63-a042-4ab0-9e37-625dbd6d32be	202	DELETE	https://rpservice.eastus.synapse.azure.net/subscriptions/6b757c2b-ce42-4e93-80a3-bf16765afa3b
2022-01-24 14:09:47.8091057	6b757c2b-ce42-4e93-80a3-bf16765afa3b	ccalderasynapseworkspace	DeleteIntegrationRuntime	5e08c61a-21ea-4402-ae4c-9af0381e4af9	202	DELETE	https://rpservice.eastus.synapse.azure.net/subscriptions/6b757c2b-ce42-4e93-80a3-bf16765afa3b

2. Using the "correlationId", check the "Message" column on "RpApiOperationsTelemetryEvent"

```
// Synapse RP detail logs - Typically used by filtering with a correlationId.
// Join ARM logs with azureCorrelationId
// E2E tracing ActivityId -> clientCorrelationId
// clientCorrelationId (ActivityID in error) or, CorrelationId from RpApiOperationsTelemetryEvent
cluster('analytics365prod.kusto.windows.net').database('Analytics365PROD').LogEntry
| where correlationId == "fb9ffa63-a042-4ab0-9e37-625dbd6d32be" //or clientCorrelationId == "0006a113-7060-47f4-88e8-541f336a20d1"
//| project TIMESTAMP, resourceId, applicationName, loggerName, identifier, message, azureCorrelationId, correlationId, clientCorrelationId, HostingRegion
```

identifier	message
DeleteDataFactory	[{"code":"BadRequest","message":"The document cannot be deleted since it is referenced by AzureSSISIRTest","target":"/subscriptions/6b757c2b-ce42-4e93-80a3-bf16765afa3b/resourceGroups/ccalderasynapseworkspacerg/providers/Microsoft.DataFactory/factories/ccalderasynapseworkspace/integrationruntimes/CAAzureTestSSISIR2"}]
ValidAudiencesInfo	(9e09aefc-b2e5-4d19-9f74-3e3eb11a57b:b9bcf023-7df8-41d0-8003-c9e930650837)
ValidAudiencesInfo	(9e09aefc-b2e5-4d19-9f74-3e3eb11a57b:b9bcf023-7df8-41d0-8003-c9e930650837)
ValidAudiencesInfo	(9e09aefc-b2e5-4d19-9f74-3e3eb11a57b:b9bcf023-7df8-41d0-8003-c9e930650837)
ValidAudiencesInfo	(9e09aefc-b2e5-4d19-9f74-3e3eb11a57b:b9bcf023-7df8-41d0-8003-c9e930650837)

```
{
  "code": "BadRequest",
  "message": "The document cannot be deleted since it is referenced by AzureSSISIRTest.",
  "target": "/subscriptions/6b757c2b-ce42-4e93-80a3-bf16765afa3b/resourceGroups/ccalderasynapseworkspacerg/providers/Microsoft.DataFactory/factories/ccalderasynapseworkspace/integrationruntimes/CAAzureTestSSISIR2",
  "details": null,
  "error": null
}
```

3. Capture the "clientcorrelationId" from "RpApiOperationsTelemetryEvent" and check the "AdfTraceEvent" for more information (exception)

```
// ADF detail logs - Typically used by filtering with a TraceCorrelationId.
// ComponentId: ClusterResourceProvider/MetadataManager
// TraceCorrelationId (ActivityID in error)
cluster('adfcus.kusto.windows.net').database('AzureDataFactory').AdfTraceEvent
| union cluster('adfneu.kusto.windows.net').database('AzureDataFactory').AdfTraceEvent
| where TraceCorrelationId == "93bd3c19-2f4e-4d46-83bc-8b0943450794"
//| project env_time, env_cloud_role, Message, ComponentId
```

TraceCorrelationId	Message	TraceLevel
8e54a98-36e2-41...	Output Document Size : 133 bytes Index Utilization : 100.00 % Utilized Indexes Potential Indexes Total Query Execution Time : 0.90 milliseconds	Informational
8e54a98-36e2-41...	StorageProvider.DeleteDocumentAsync - finished deleting document with id: integrationruntime-ccazuretestssisir2, partition key: 46810b28-0222-4cc3-8414-957bd7fb483c, in scale unit: dbs/datafactory-database/colls/datafactory-collection, and with IfMatch:	Informational
8e54a98-36e2-41...	EntityManagerModule.DeleteEntityInternalAsync[1808]: Stop - DeleteResponse statusCode:BadRequest	Informational
8e54a98-36e2-41...	ManagerController.DeleteEntity[835]: Failed to delete IntegrationRuntime entity: CCAzureTestSSISIR2 in data factory: 46810b28-0222-4cc3-8414-957bd7fb483c. StatusCode: BadRequest, Error: ErrorCode: EntityDeleteFailedOnIsReferenced, Parameters: AzureSSISIRTest.	Error
8e54a98-36e2-41...	AuthenticationHandler.SendAsync[123]: Stop.	Informational

```
ManagerController.DeleteEntity[835]: Failed to delete IntegrationRuntime entity: CCAzureTestSSISIR2 in data factory: 46810b28-0222-4cc3-8414-957bd7fb483c. StatusCode: BadRequest, Error: ErrorCode: EntityDeleteFailedOnIsReferenced, Parameters: AzureSSISIRTest.
```

Mitigation

The SSIS IR is linked to any other pipeline or component. Remove / change the link on pipeline or the component that is linked to the SSIS IR that needs to be removed.

Verifications

This can be verified using the Azure Synapse workspace UI

Integration runtimes

The integration runtime (IR) is the compute infrastructure to provide the following data integration capabilities across different network environment. [Learn more](#)

+ New Refresh

Filter by name

Showing 1 - 3 of 3 items

Name	Type	Sub-type	Status	Related	Region	Version
AutoResolveIntegrationRuntime	Azure	Public	Running	2	Auto Resolve	---
CCAzureTestSSISIR1	Azure-SSIS	---	Running	0	East US	---
CCAzureTestSSISIR2	Azure-SSIS	---	Stopped	1	East US	---

Related

CCAzureTestSSISIR2

This integration runtime is being used by the following:

Pipelines

AzureSSISIRTest