

Package execution intermittently fail with transient connectivity issue like semaphore timeout

Last updated by | Jackie Huang | Jan 4, 2022 at 12:24 AM PST

SME

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Symptoms

Hresult: 0x80004005 Description: "Communication link failure".

Hresult: 0x80004005 Description: "TCP Provider: The semaphore timeout period has expired."

Kusto Query

Keyword

Communication link failure


semaphore timeout

Cause

Transient network connection issue.

Resolution



Restart IR to see if issue persists.

Add retry logic to package execution to overcome transient connection issue, following <https://techcommunity.microsoft.com/t5/sql-server-integration-services/best-practice-recommendation-for-ssis-package-execution-retries/ba-p/964881> 

Lengthen default connection timeout for SQL DB Linked Services:

.....

Additional connection properties

 New |  Delete

<input type="checkbox"/>	PROPERTY NAME	VALUE
<input type="checkbox"/>	Connection Timeout	120

Annotations

```
{
  "name": "AzureSqlDatabase1",
  "type": "Microsoft.DataFactory/factories/linkedservices",
  "properties": {
    "annotations": [],
    "type": "AzureSqlDatabase",
    "typeProperties": {
      "connectionString": "integrated security=False;encrypt=True;connection timeout=120;data source=..."
    }
  }
}
```

[Collect network trace](#) and engage Azure Network team for RCA.

Sample cases

119030126000330 184807921

How good have you found this content?

