

# Kusto query to Troubleshoot Airflow Issues

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## Kusto query to troubleshoot Airflow IR/Deployment failure issues

### Kusto Function to get logs:

**AirflowDeploymentFailures**({FactoryName},{Region},{StartTime},{EndTime})

Ex: AirflowDeploymentFailures("adfname", "eastus", datetime(2023-01-18 12:27:42.3209897), datetime(2023-01-18 18:27:42.3209897))

### Kusto Query for the above same function:

```
let clusterCreationIds = cluster('adfcus.kusto.windows.net').database('AzureDataFactory').ApiOperationEvent
| union
|   cluster('adfneu.kusto.windows.net').database('AzureDataFactory').ApiOperationEvent
| where env_time between (datetime(***)..datetime(***))
| where env_cloud_name startswith "RP"
| where env_cloud_location == "****"
| where DataFactoryName =~ "****"
//| where RequestUri contains "IrName" // If datafactory contains more IR Names and to filter based on IR
| where ApiName == "PUT IntegrationRuntime/CreateOrUpdateIntegrationRuntimeAsync"
| project TraceCorrelationId;
cluster('adfcus.kusto.windows.net').database('AzureDataFactory').AdfTraceEvent
| union
|   cluster('adfneu.kusto.windows.net').database('AzureDataFactory').AdfTraceEvent
| where env_time between (datetime(***)..datetime(***))
| where env_cloud_name startswith "PM" or env_cloud_name startswith "BS"
| where env_cloud_location == "****"
| where TraceCorrelationId in (clusterCreationIds)
| project env_time, env_seqNum, Message, TraceLevel, env_cloud_name, env_cloud_location, ContainerName, Trace
| sort by env_time desc
| evaluate rows_near(TraceLevel == "Error", 7) // This gives lines +-7 lines before and after error
```

## Kusto query to troubleshoot Airflow Dag import failure issues

### Kusto Function to get logs:

**AirflowImportDagsFailure**({FactoryName},{Region},{StartTime},{EndTime})

Ex: AirflowImportDagsFailure("adfname", "eastus", datetime(2023-01-18 12:27:42.3209897), datetime(2023-01-18 18:27:42.3209897))

**Kusto Query for the above same function:**

```
let clusterCreationIds = cluster('adfcus.kusto.windows.net').database('AzureDataFactory').ApiOperationEvent
| union
|   cluster('adfneu.kusto.windows.net').database('AzureDataFactory').ApiOperationEvent
| where env_time between (datetime(**)..datetime(**))
| where env_cloud_name startswith "RP"
| where env_cloud_location == "****"
| where DataFactoryName =~ "****"
//| where RequestUri contains "IrName" // If datafactory contains more IR Names and to filter based on IR
| where ApiName == "POST Airflow/SyncAirflowFileShareAsync"
| project TraceCorrelationId;
cluster('adfcus.kusto.windows.net').database('AzureDataFactory').AdfTraceEvent
| union
|   cluster('adfneu.kusto.windows.net').database('AzureDataFactory').AdfTraceEvent
| where env_time between (datetime(**)..datetime(**))
| where env_cloud_name startswith "PM" or env_cloud_name startswith "BS"
| where env_cloud_location == "****"
| where TraceCorrelationId in (clusterCreationIds)
| project env_time, env_seqNum, Message, TraceLevel, env_cloud_name, env_cloud_location, ContainerName, Trace
| sort by env_time desc
| evaluate rows_near(TraceLevel == "Error", 7) // This gives lines +-7 lines before and after error
```

