

# Azure Data Factory – Common Errors and Solutions

## 1. Error: **AZURE\_QUOTA\_EXCEEDED\_EXCEPTION**

### **Description:**

Occurs when Azure resource quota (e.g., total regional cores) is exceeded. It may happen when spinning up new compute resources, like Azure Databricks clusters, beyond your subscription limits.

### **Solution:**

- Go to Azure Portal → Subscriptions → Usage + quotas.
- Identify the resource type and region (e.g., Standard\_D3\_v2 in East US).
- Click Request Increase and submit a quota increase request.
- Alternatively, stop/scale down other running resources to free capacity.
- Retry the pipeline after the quota has been increased or usage reduced.

## 2. Error: **CLUSTER\_NODE\_UNAVAILABLE**

### **Description:**

Databricks could not start the cluster because one or more nodes are unavailable.

### **Solution:**

- Check the Databricks cluster configuration and ensure chosen VM size is available in the target region.
- Try restarting the cluster with a different node type.
- Use Azure status page to check for service outages.

## 3. Error: **STORAGE\_ACCOUNT\_NOT\_ACCESSIBLE**

### **Description:**

ADF pipeline activity cannot access the linked Azure Storage account due to permission or networking issues.

### **Solution:**

- Verify that the Storage Account firewall allows access from your Data Factory's public IP.
- Ensure that the Linked Service credentials are correct and the secret/key hasn't expired.

- If using Managed Identity, ensure it has the correct role assignment (Storage Blob Data Reader/Contributor).
- Test the linked service connection in ADF UI.

#### **4. Error: PIPELINE\_PARAMETER\_MISSING**

**Description:**

The pipeline was triggered without required parameters.

**Solution:**

- In the trigger definition, ensure all required parameters are defined and given values.
- Validate parameter passing from upstream pipelines or triggers.
- Use default parameter values where applicable.

#### **5. Error: SINK\_CONNECTION\_TIMEOUT**

**Description:**

The sink (target system) took too long to respond during the copy activity.

**Solution:**

- Check the network connectivity between Data Factory integration runtime and the target system.
- Increase the timeout property in the dataset or linked service configuration.
- Batch data into smaller chunks to avoid large transfers in one go.
- Confirm target system availability during pipeline run time.