

Running Job on sample ingestion (sample job – ingestion task)

The screenshot shows the Databricks Jobs interface for a job named "extract job sampple". The left sidebar contains navigation options like Workspace, Recents, Catalog, Workflows, Compute, Data Engineering, Job Runs, Machine Learning, Playground, Experiments, Features, Models, and Serving. The main panel displays the "Runs" tab for the job. A Gantt chart shows the job's execution timeline on Dec 02, with a task "Ingestion_data" running for 6m 10s. Below the chart, a table lists the job runs:

| Start time | Run ID | Launched | Duration | Spark | Status | Error code | Run paramet... |
|--------------------|------------|----------|----------|---------------------------|-----------|--------------|----------------|
| Dec 02, 2024, 1... | 1062702... | Manually | 6m 12s | Spark UI / Logs / Metrics | Success | | |
| Dec 02, 2024, 1... | 7875458... | Manually | 1m 52s | Spark UI / Logs / Metrics | Cancelled | UserCanceled | |

The right sidebar shows "Job details" for Job ID 418519948968831, created by azuser2373_mml.local. It also shows "Git" (Not configured), "Schedule" (None), and "Compute" (Job cluster: Driver: Standard_D4ds_v5 · Workers: Standard_D4ds_v5 · 8).

Running job on pre-existing notebook (pyspark_01_updated)

The screenshot shows the Databricks Jobs interface for a job named "run existing notebook". The left sidebar is the same as the previous screenshot. The main panel displays the "Runs" tab for the job. A Gantt chart shows the job's execution timeline on Dec 02, with a task "run_existing_notebook" running for 17s. Below the chart, a table lists the job runs:

| Start time | Run ID | Launched | Duration | Spark | Status | Error code | Run paramet... |
|--------------------|-------------|----------|----------|---------------------------|---------|------------|----------------|
| Dec 02, 2024, 1... | 30676639... | Manually | 19s | Spark UI / Logs / Metrics | Success | | |

The right sidebar shows "Job details" for Job ID 720087140959027, created by azuser2373_mml.local. It also shows "Git" (Not configured), "Schedule" (None), and "Compute" (Job cluster: azuser2373_mml.local's Cluster, Single node: Standard_D4ds_v5 · DB: 15 GB LTS (includes...

Creating azure blob storage

Microsoft Azure

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[Home](#) > [Storage accounts](#) >

Create a storage account

Project details

Select the subscription in which to create the new storage account. Choose a new or existing resource group to organize and manage your storage account together with other resources.

Subscription *

MML Learners

Resource group *

rg-azuser2373_mmllocal-HSEqX

[Create new](#)

Instance details

Storage account name *

azdeblobvsp

Region *

(Asia Pacific) Central India

[Deploy to an Azure Extended Zone](#)

Primary service

Azure Blob Storage or Azure Data Lake Storage Gen 2

Performance *

☒ **Standard:** Recommended for most scenarios (general-purpose v2 account)

☐ **Premium:** Recommended for scenarios that require low latency.

Redundancy *

Locally-redundant storage (LRS)

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Create a storage account

Hierarchical Namespace

Hierarchical namespace, complemented by Data Lake Storage Gen2 endpoint, enables file and directory semantics, accelerates big data analytics workloads, and enables access control lists (ACLs) [Learn more](#)

Enable hierarchical namespace

☐

Access protocols

Blob and Data Lake Gen2 endpoints are provisioned by default [Learn more](#)

Enable SFTP

☐

ⓘ

SFTP can only be enabled for hierarchical namespace accounts

Enable network file system v3

☐

ⓘ

To enable NFS v3 'hierarchical namespace' must be enabled. [Learn more about NFS v3](#)

Blob storage

Allow cross-tenant replication

☐

Access tier

☒ **Hot:** Optimized for frequently accessed data and everyday usage scenarios

☐ **Cool:** Optimized for infrequently accessed data and backup scenarios

☐ **Cold:** Optimized for rarely accessed data and backup scenarios

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DATA ENGINEERING DATABRICKS

Create a storage account

[View automation template](#)

Basics

| | |
|----------------------|---|
| Subscription | MML Learners |
| Resource group | rg-azuser2373_mml.local-HSEqX |
| Location | Central India |
| Storage account name | azdeblobvsp |
| Primary service | Azure Blob Storage or Azure Data Lake Storage Gen 2 |
| Performance | Standard |
| Replication | Locally-redundant storage (LRS) |

Advanced

| | |
|--------------------------------|----------|
| Enable hierarchical namespace | Disabled |
| Enable SFTP | Disabled |
| Enable network file system v3 | Disabled |
| Allow cross-tenant replication | Disabled |
| Access tier | Hot |
| Enable large file shares | Enabled |

Security

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- Data storage
- Security + networking
- Data management
- Settings
- Monitoring
- Monitoring (classic)
- Automation

Upload Open in Explorer Delete Move Refresh Open in mobile CLI / PS Feedback

Essentials

| | | | |
|-----------------------|--------------------------------------|--------------------|---------------------------------|
| Resource group (move) | rg-azuser2373_mml.local-HSEqX | Performance | Standard |
| Location | centralindia | Replication | Locally-redundant storage (LRS) |
| Subscription (move) | MML Learners | Account kind | StorageV2 (general purpose v2) |
| Subscription ID | 2a3c6418-97b9-4d96-a24b-2c2d7633d375 | Provisioning state | Succeeded |
| Disk state | Available | Created | 12/2/2024, 3:17:38 PM |

Tags (edit) Add tags

Properties Monitoring Capabilities (7) Recommendations (0) Tutorials Tools + SDKs

Blob service

| | |
|------------------------|------------------|
| Hierarchical namespace | Disabled |
| Default access tier | Hot |
| Blob anonymous access | Disabled |
| Blob soft delete | Enabled (7 days) |
| Container soft delete | Enabled (7 days) |
| Versioning | Disabled |
| Change feed | Disabled |
| NFS v3 | Disabled |

Security

| | |
|---|-------------|
| Require secure transfer for REST API operations | Enabled |
| Storage account key access | Enabled |
| Minimum TLS version | Version 1.2 |
| Infrastructure encryption | Disabled |

Networking

| | |
|-------------------|--------------|
| Allow access from | All networks |
|-------------------|--------------|

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store1 Container

Search

- Overview
- Diagnose and solve problems
- Access Control (IAM)
- Settings

Upload Change access level Refresh Delete Change tier Acquire lease Break lease View snapshots Create snapshot Give feedback

Authentication method: Access key (Switch to Microsoft Entra user account)

Location: store1

Search blobs by prefix (case-sensitive)

Show deleted blobs

Add filter

| Name | Modified | Access tier | Archive status | Blob type | Size | Lease state |
|---|-----------------------|----------------|----------------|------------|-------|-------------|
| <input type="checkbox"/> student_data.csv | 12/2/2024, 3:25:36 PM | Hot (Inferred) | | Block blob | 152 B | Available |
| <input type="checkbox"/> student_sample.csv | 12/2/2024, 3:25:36 PM | Hot (Inferred) | | Block blob | 498 B | Available |

Creating azure data lake storage

Microsoft Azure

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Create new

Instance details

Storage account name *

azdedlvsp

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(Asia Pacific) Central India

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Locally-redundant storage (LRS)

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Enable hierarchical namespace

☒

Access protocols

Blob and Data Lake Gen2 endpoints are provisioned by default [Learn more](#)

Enable SFTP

☐

Enable network file system v3

☐

Blob storage

Allow cross-tenant replication

☐

?

Cross-tenant replication and hierarchical namespace cannot be enabled simultaneously.

Access tier

Hot: Optimized for frequently accessed data and everyday usage scenarios

Cool: Optimized for infrequently accessed data and backup scenarios

Cold: Optimized for rarely accessed data and backup scenarios

Azure Files

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Basics

| | |
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| Enable network file system v3 | Disabled |
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- Events
- Storage browser
- Partner solutions
- Data storage
- Security + networking
- Data management
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- Help

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| Location | : centralindia | Replication | : Locally-redundant storage (LRS) |
| Subscription (move) | : MML Learners | Account kind | : StorageV2 (general purpose v2) |
| Subscription ID | : 2a3c6418-97b9-4d96-a24b-2c2d7633d375 | Provisioning state | : Succeeded |
| Disk state | : Available | Created | : 12/2/2024, 3:21:48 PM |
| Tags (edit) | : Add tags | | |

Properties Monitoring Capabilities (5) Recommendations (0) Tutorials Tools + SDKs

Data Lake Storage

| | |
|------------------------|------------------|
| Hierarchical namespace | Enabled |
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| Blob anonymous access | Disabled |
| Blob soft delete | Enabled (7 days) |
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| CERT | Disabled |

Security

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| Require secure transfer for REST API operations | Enabled |
| Storage account key access | Enabled |
| Minimum TLS version | Version 1.2 |
| Infrastructure encryption | Disabled |

Networking

| | |
|------------------------------|--------------|
| Allow access from | All networks |
| Private endpoint connections | 0 |

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Container

Search

Overview

- Diagnose and solve problems
- Access Control (IAM)
- Settings

Upload Add Directory Refresh Rename Delete Change tier Acquire lease Break lease Give feedback

Authentication method: Access key (Switch to Microsoft Entra user account)

Location: store1

Search blobs by prefix (case-sensitive) Show deleted objects

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|---|-----------------------|----------------|----------------|------------|-------|---------------|
| <input type="checkbox"/> student_data.csv | 12/2/2024, 3:26:33 PM | Hot (Inferred) | | Block blob | 152 B | Available ... |
| <input type="checkbox"/> student_sample.csv | 12/2/2024, 3:26:33 PM | Hot (Inferred) | | Block blob | 498 B | Available ... |