Requirement 10: Azure Storage Account → Azure Blob Storage

Create a storage account ...

Basics   Advanced   Networking   Data protection   Encryption   Tags   Review + create

Azure Storage is a Microsoft-managed service providing cloud storage that is highly available, secure, durable, scalable, and redundant. Azure Storage includes Azure Blobs (objects), Azure Data Lake Storage Gen2, Azure Files, Azure Queues, and Azure Tables. The cost of your storage account depends on the usage and the options you choose below. Learn more about Azure storage accounts ☐

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 *
| Azure for Students | ⌄ |

Resource group *
| (New) mystoragerg | ⌄ |
Create new

Instance details

Storage account name * ⓘ
| storeserverlogs |

Region * ⓘ
| (Europe) North Europe | ⌄ |
Deploy to an Azure Extended Zone

Performance * ⓘ
- ◉ **Standard:** Recommended for most scenarios (general-purpose v2 account)
- ○ **Premium:** Recommended for scenarios that require low latency.

Redundancy * ⓘ
| Geo-redundant storage (GRS) | ⌄ |
☑ Make read access to data available in the event of regional unavailability.

Create a storage account ...

Security

Configure security settings that impact your storage account.

Require secure transfer for REST API operations ⓘ   ☑

Allow enabling anonymous access on individual containers ⓘ   ☐

Enable storage account key access ⓘ   ☑

Default to Microsoft Entra authorization in the Azure portal ⓘ   ☐

Minimum TLS version ⓘ
| Version 1.2 | ⌄ |

Permitted scope for copy operations (preview) ⓘ
| From storage accounts in the same Microsoft Entra tenant | ⌄ |

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 ⓘ   ☐

Create a storage account   ⋯

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

Azure Files

Enable large file shares ⓘ   ☑

Create a storage account   ⋯

Network access *

   ○ Enable public access from all networks

   ○ Enable public access from selected virtual networks and IP addresses

   ◉ Disable public access and use private access

IP Addresses

Allow select public internet IP addressess to access your resource.

   ＋ Add your client IP address ("185.44.145.225")

   [IP address or CIDR]

Private endpoint

Create a private endpoint to allow a private connection to this resource. Additional private endpoint connections can be created within the storage account or private link center.

   ＋ Add private endpoint

Name	Subscription	Resource g...	Region	Target sub...	Subnet	Private DN...

Click on add to create a private endpoint

Network routing

Determine how to route your traffic as it travels from the source to its Azure endpoint. Microsoft network routing is recommended for most customers.

Routing preference * ⓘ

   ◉ Microsoft network routing

   ○ Internet routing

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Recovery

Protect your data from accidental or erroneous deletion or modification.

☐ Enable point-in-time restore for containers
Use point-in-time restore to restore one or more containers to an earlier state. If point-in-time restore is enabled, then versioning, change feed, and blob soft delete must also be enabled. Learn more ⤢

☑ Enable soft delete for blobs
Soft delete enables you to recover blobs that were previously marked for deletion, including blobs that were overwritten. Learn more ⤢

Days to retain deleted blobs ⓘ | 7 |

☑ Enable soft delete for containers
Soft delete enables you to recover containers that were previously marked for deletion. Learn more ⤢

Days to retain deleted containers ⓘ | 7 |

☑ Enable soft delete for file shares
Soft delete enables you to recover file shares that were previously marked for deletion. Learn more ⤢

Days to retain deleted file shares ⓘ | 7 |

Tracking

Manage versions and keep track of changes made to your blob data.

☐ Enable versioning for blobs
Use versioning to automatically maintain previous versions of your blobs. Learn more ⤢

Consider your workloads, their impact on the number of versions created, and the resulting costs. Optimize costs by automatically managing the data lifecycle. Learn more ⤢

☐ Enable blob change feed

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Encryption type * ⓘ   ⦿ Microsoft-managed keys (MMK)

                               ○ Customer-managed keys (CMK)

Enable support for customer-managed   ⦿ Blobs and files only
keys ⓘ
                               ○ All service types (blobs, files, tables, and queues)

                               ⚠ This option cannot be changed after this storage account is created.

Enable infrastructure encryption ⓘ   ☐

Tags

Name ⓘ		Value ⓘ	
Environment	:	Production	🗑
Scope	:	Internal	🗑
	:		

Create a storage account ···

Basics   Advanced   Networking   Data protection   Encryption   Tags   **Review + create**

👁 View automation template

Basics

Subscription	Azure for Students
Resource group	mystoragerg
Location	North Europe
Storage account name	storeserverlogs
Performance	Standard
Replication	Read-access geo-redundant storage (RA-GRS)

Advanced

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

Security

Secure transfer	Enabled
Blob anonymous access	Disabled
Allow storage account key access	Enabled
Default to Microsoft Entra authorization in the Azure portal	Disabled
Minimum TLS version	Version 1.2
Permitted scope for copy operations (preview)	From storage accounts that have a private endpoint to the same virtual network

Networking

Network connectivity	Private endpoint
Default routing tier	Microsoft network routing

Data protection

Point-in-time restore	Disabled
Blob soft delete	Enabled
Blob retainment period in days	7
Container soft delete	Enabled
Container retainment period in days	7
File share soft delete	Enabled
File share retainment period in days	7
Versioning	Disabled
Blob change feed	Disabled
Version-level immutability support	Disabled

Encryption

Encryption type	Microsoft-managed keys (MMK)
Enable support for customer-managed keys	Blobs and files only
Enable infrastructure encryption	Disabled

serverlogsstorage | Containers
Storage account

New container ✕

- Overview
- Activity log
- Tags
- Diagnose and solve problems
- Access Control (IAM)
- Data migration
- Events
- Storage browser
- Storage Mover
- ∨ Data storage
  - **Containers**
  - File shares
  - Queues
  - Tables
- ∨ Security + networking
  - Networking
  - Front Door and CDN
  - Access keys
  - Shared access signature
  - Encryption
  - Microsoft Defender for Cloud
- ∨ Data management
  - Storage tasks (preview)

+ Container   🔒 Change access level   ↻ Restore containers ∨   ↻ Refresh   🗑 Delete   Give feedback

Search containers by prefix

Name	Last modified	Anonymous access level
$logs	7/24/2024, 11:37:07 PM	Private

Name *
serverlogs

Anonymous access level ⓘ
Private (no anonymous access)

ⓘ The access level is set to private because anonymous access is disabled on this storage account.

∨ Advanced

Create   Give feedback

Upload blob   ✕

1 file(s) selected: serverlogs.txt

Drag and drop files here or Browse for files

☐ Overwrite if files already exist

⌃ Advanced

Blob type ⓘ

| Block blob | ⌄ |

☑ Upload .vhd files as page blobs (recommended)

Block size ⓘ

| 4 MiB | ⌄ |

Access tier ⓘ

| Cool | ⌄ |

Upload to folder

| |

Blob index tags ⓘ

Key	Value

Encryption scope

◉ Use existing default container scope

○ Choose an existing scope