Azure Blob Storage

Azure Blob storage is an object storage that stores a huge amount of unstructured data, and that can be accessed via HTTP/HTTPS protocol from anywhere in the world.

Unstructured Data:

1. Serving Images or documents directly to a browser.
2. Storing files for distributed access.
3. Streaming Videos & audio.
4. Log files
5. Storing data for backup and restore, Disaster recovery.
6. Storing data for analysis by an on-premises or Azure-hosted services.

Access the Storage Account:

Azure Storage data objects are accessible from anywhere in the world over HTTP or HTTPS via a REST API.

 The Azure portal and Azure Storage Explorer provide user-interface tools for interacting with Azure Storage.

Azure Storage also offers client libraries for developers building applications or services with .NET, Java, Python, JavaScript, C++, and Go.

Developers and IT professionals can use Azure PowerShell and Azure CLI to write scripts for data management or configuration tasks.

The Azure portal and Azure Storage Explorer provide user-interface tools for interacting with Azure Storage.

Users or clients can also connect to Blob storage by using SSH File Transfer Protocol (SFTP)

and Mount Blob Storage containers by using the Network File System (NFS) 3.0 Protocol

**About Azure Data Lake Storage Gen2**

Blob Storage supports Azure Data Lake Storage Gen2, for big data analytics solution for the cloud. Azure Data Lake Storage Gen2 offers a hierarchical file system as well as the advantages of Blob Storage, including:

* Low-cost, tiered storage
* High availability
* Strong consistency
* Disaster recovery capabilities.