



Azure Data Box Gateway

Virtual appliance for data transfer over the network

Transfer data to and from the edge to Azure

As organizations continue to generate large volumes of data in a variety of locations outside the cloud, they need more options to easily and quickly transfer data to Azure to enable further compute and analysis, or to archive data.

Azure Data Box Gateway is a virtual appliance that offers organizations an integrated storage gateway for data transfer to and from Azure—while still retaining local access to files.

Cost-effective, easy-to-use virtual appliance

Data Box Gateway is a virtual appliance you provision on your hardware on either Hyper-V or VMware. Download, activate, and manage it through the Azure portal.

Support for multiple protocols and file types

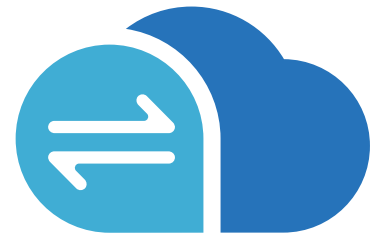
Data Box Gateway supports Server Message Block (SMB) and Network File System (NFS) protocols locally. Any data you copy using SMB or NFS is transferred to your preferred storage mode: Azure Block Blob, Azure Page Blob, or Azure Files.

Why use Data Box Gateway

Continuous data ingestion. One of the advantages of Data Box Gateway is the ability to continuously ingest data into the device to copy to the cloud, regardless of the data size.

Cloud archival data. Use Data Box Gateway when you want to retain your data long-term in the cloud. You can also use the Archive tier of storage for long-term retention, which offers the lowest storage costs but has the highest access costs.

Initial bulk transfer followed by incremental transfer. Use Data Box and Data Box Gateway together when you want to do a bulk upload of a large amount of data followed by incremental transfers. Use Data Box for an offline bulk transfer (initial seed) and Data Box Gateway for incremental transfers (ongoing feed) over the network.



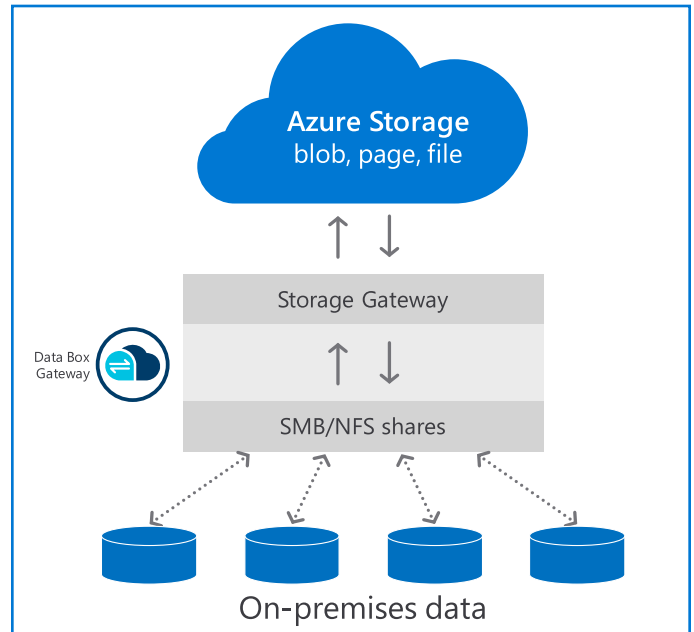
Use Azure Data Box Gateway to easily and quickly transfer data to and from Azure for further compute and analytics or for archival purposes.

Trusted cloud services

Startups, governments, and 90 percent of Fortune 500 businesses run on Azure. Microsoft [leads the industry](#) in establishing clear security and privacy requirements and then consistently meeting these requirements.

How Data Box Gateway facilitates data transfer to Azure

1. Data Box Gateway exposes SMB and NFS shares on your local network, creating a gateway into your Azure Storage Account while keeping a local cache of your most recent files for fast local access.
2. After you copy data to a local file share, Data Box Gateway executes the transfer.
3. Control your network usage with bandwidth throttling and schedules.
4. Data Box Gateway can sit in your local network or in a DMZ, giving your systems access to Azure storage without having to open network connections to Azure.
5. Data Box Gateway keeps a local cache of your recent files as space permits.
 - If there is a local copy, you get it at local network speed.
 - If no local copy exists, the storage gateway will download for you.
6. Refresh your cloud view. While the storage gateway knows what it has uploaded, your view might not show what has changed from other sources in the cloud without a refresh.
 - Check if new files are in the storage account.
 - Check if files in the local cache have been updated in the cloud.



Technical requirements

Specification	Details
Virtual processors (cores)	Minimum 4
Memory	Minimum 8 GB
Availability	Single node
Disks	OS Disk: 250 GB Data Disk: 2 TB Minimum, thin provisioned and must be backed by SSDs
Network Interfaces	1 or more virtual network interfaces

To order Data Box Gateway or learn more

The Data Box Gateway is available today.

[Review Data Box Gateway documentation.](#)

To order Data Box Gateway or to learn more about other products in the Data Box family, visit:

<http://azure.com/DataBox>.