

 Snowball is a petabyte-scale data transport solution that uses secure appliances to transfer large amounts of data into and out of AWS. Using Snowball addresses common challenges with large-scale data transfers including high network costs, long transfer times, and security concerns. Transferring data with Snowball is simple, fast, secure, and can be as little as one-fifth the cost of high-speed Internet.

Snowball comes in either a 50TB or 80TB size. Snowball uses multiple layers of security designed to protect your data including tamper-resistant enclosures, 256-bit encryption, and an industry-standard Trusted Platform Module (TPM) designed to ensure both security and full chain-of-custody of your data. Once the data transfer job has been processed and verified, AWS performs a software erasure of the Snowball appliance.

AWS Snowball Edge is a 100TB data transfer device with on-board storage and compute capabilities. You can use Snowball Edge to move large amounts of data into and out of AWS, as a temporary storage tier for large local datasets, or to support local workloads in remote or offline locations.

Snowball Edge connects to your existing applications and infrastructure using standard storage interfaces, streamlining the data transfer process and minimizing setup and integration. Snowball Edge can cluster together to form a local storage tier and process your data on-premises, helping ensure your applications continue to run even when they are not able to access the cloud.

AWS Snowmobile is an Exabyte-scale data transfer service used to move extremely large amounts of data to AWS. You can transfer up to 100PB per Snowmobile, a 45-foot long ruggedized shipping container, pulled by a semi-trailer truck. Snowmobile makes it easy to move massive volumes of data to the cloud, including video libraries, image repositories, or even a complete data center migration. Transferring data with Snowmobile is secure, fast and cost effective.

Available Internet Connection	Theoretical Min. Number of Days to Transfer 100TB at 80% Network Utilization	When to Consider AWS Import/Export Snowball?
T3 (44.736Mbps)	269 days	2TB or more
100Mbps	120 days	5TB or more
1000Mbps	12 days	60TB or more

Services
Resource Groups

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Support

Create a job

Step 1: Plan your job

Step 2: Give shipping details

Step 3: Give job details

Step 4: Set security

Step 5: Set notifications

Step 6: Review

Plan your job

☒ Import into Amazon S3

AWS will ship an empty appliance to you. You can use an AWS Snowball Edge appliance for local storage with this job type. When you're done with the appliance, ship it back. After AWS gets it, your data will be moved. [Learn more.](#)

☐ Export from Amazon S3

You'll choose what data you want to export from your S3 buckets. AWS will load that data onto an appliance and ship it to you. You can use an AWS Snowball Edge appliance for local storage with this job type. When you're done with the appliance, ship it back and we'll erase it. [Learn more.](#)

☐ Local storage only

The region that you're using doesn't have AWS Lambda support. You can still choose a local-storage-only job, powered by Amazon S3. You have the option of clustering multiple appliances for increased durability and storage capacity. [Learn more.](#)

CREATE AN IMPORT JOB

Create a job in the AWS Snowball Management Console. AWS will ship an appliance for your job through your region's carrier.

CONNECT THE APPLIANCE

Plug the appliance into your local network. Download and run the Snowball client with your credentials to connect to the appliance.

COPY YOUR DATA TO THE APPLIANCE

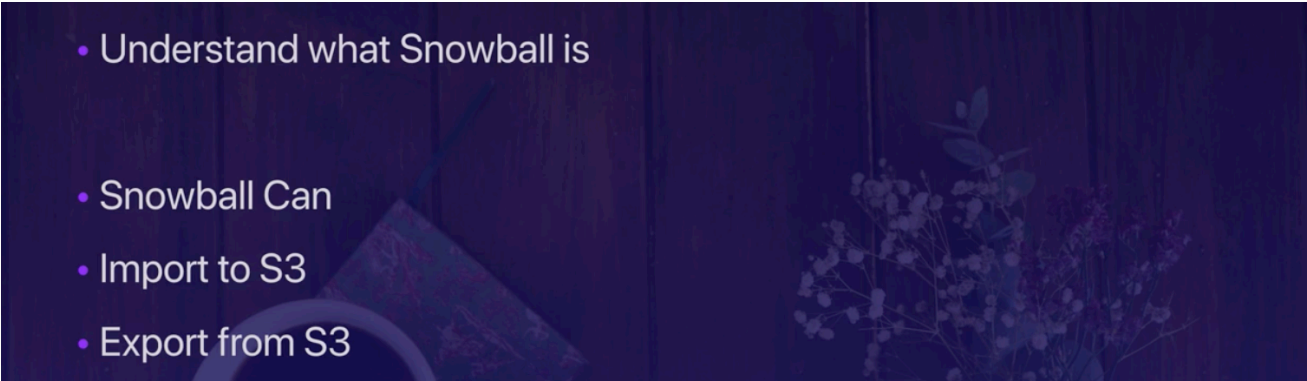
Copy your data onto the appliance. Once complete, disconnect the appliance and ship it back as-is, no packaging required.

AWS WILL MOVE YOUR DATA

After AWS gets the appliance, your data will be moved into Amazon S3.

Is AWS Snowball right for you? [Find out.](#)

Cancel
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