

SNOWBALL

This is how it looks SNOWBALL



What is SNOWBALL ?



- Snowball is petabyte-scale data transport solution that uses secure appliances to transfer large amount 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.

What is SNOWBALL ?



- Snowball comes in either a 50 TB or 80 TB 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.

What is SNOWBALL EDGE?



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

What is SNOWBALL EDGE?



- 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 cloud

What is SNOWMOBILE?



- Snowmobile is an Exabyte-scale data transfer service used to move extremely large amount of data to AWS.
- You can transfer upto 100PB per snowmobile.
- A 45-foot long 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

What is SNOWMOBILE ?



When should you use SnowBall



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

Exam Tips



- What SnowBall is
- Snowball Can
- Import to S3
- Export to S3