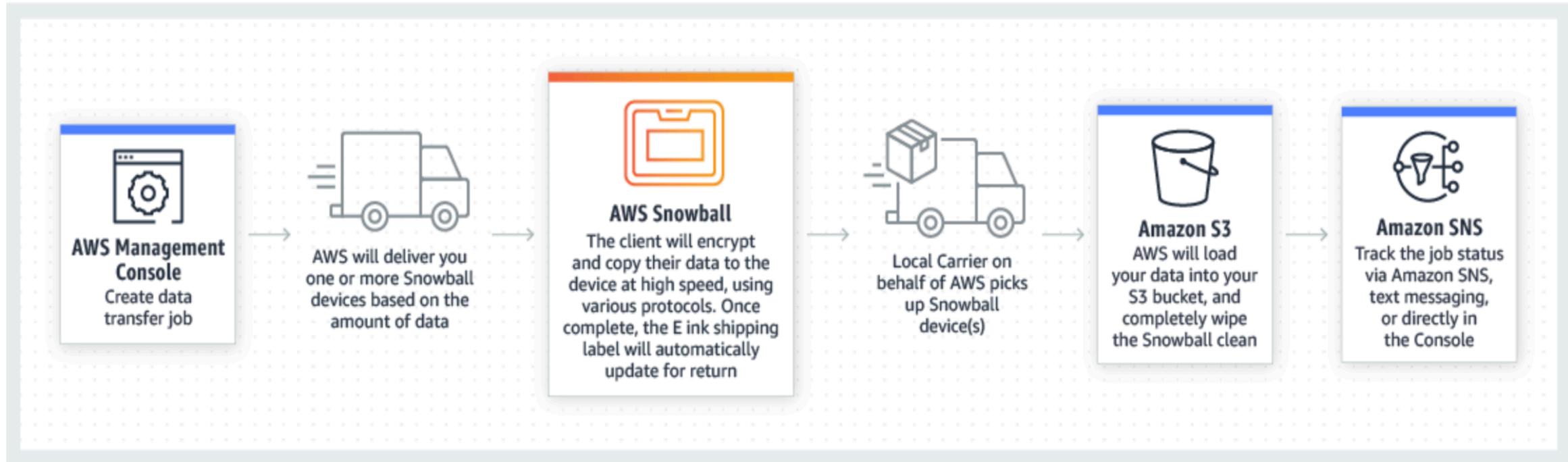


AWS Snowball

AWS Snowball

- Snowball is a petabyte-scale data transport solution that uses devices designed to be secure to transfer large amounts of data into and out of the AWS Cloud.
- Using Snowball addresses common challenges with large-scale data transfers including high network costs, long transfer times, and security concerns.
- Customers today use Snowball to migrate analytics data, genomics data, video libraries, image repositories, backups, and to archive part of data centre shutdowns, tape replacement or application migration projects.
- Transferring data with Snowball is simple, fast, more secure, and can be as little as one-fifth the cost of transferring data via high-speed Internet.

AWS Snowball



AWS Snowball

- Use Cases : If you have large quantities of data you need to migrate into AWS, Snowball is often much faster and more cost-effective than transferring that data over the Internet.
- In the event that you need to quickly retrieve a large quantity of data stored in Amazon S3, Snowball devices can help retrieve the data much quicker than high-speed Internet.
- There are many steps involved to decommissioning a datacenter to make sure valuable data is not lost. Snowball can help ensure that your data is securely and cost-effectively transferred to AWS during this process.
- Use Snowball devices if you regularly receive or need to share large amounts of data with clients, customers, or business associates.

AWS Snowball



Storage capacity (usable capacity)	Snowball	Snowball Edge
50 TB (42 TB) - US regions only	✓	
80 TB (72 TB)	✓	
100 TB (83 TB)		✓
100 TB Clustered (45 TB per node)		✓

AWS Snowmobile – Exabyte scale data transfer



AWS Snowball

- AWS Snowmobile : 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.
- After an initial assessment, a Snowmobile will be transported to your data center and AWS personnel will configure it for you so it can be accessed as a network storage target. When your Snowmobile is on site, AWS personnel will work with your team to connect a removable, high-speed network switch from Snowmobile to your local network and you can begin your high-speed data transfer from any number of sources within your data center to the Snowmobile. After your data is loaded, Snowmobile is driven back to AWS where your data is imported into [Amazon S3](#).

AWS Snowball

- AWS Snowmobile : Snowmobile uses multiple layers of security to help protect your data including dedicated security personnel, GPS tracking, alarm monitoring, 24/7 video surveillance, and an optional escort security vehicle while in transit. All data is encrypted with 256-bit encryption keys you manage through the AWS Key Management Service (KMS) and designed for security and full chain-of-custody of your data.