



DAY - 14

AWS

IMPORT/EXPORT

SNOWBALL

AWS Architecture and Design



1. Day 1 Overview of Cloud Computing
2. Day 2 Overview of AWS
3. Day 3 Amazon EC2*
4. Day 4 Amazon EBS *
5. Day 5 Amazon CloudWatch *
6. Day 6 Amazon S3*
7. Day 7 Amazon Elastic Load Balancer *
8. Day 8 Amazon Auto Scaling *
9. Day 9 Amazon VPC *
10. Day 10 Amazon IAM *
11. Day 11 Amazon RDS
12. Day 12 Amazon Route 53 *
13. Day 13 Amazon DynamoDB* & Glacier
- 14. Day 14 Amazon Cloudfront* & Import Export & Amazon SES ***
15. Day 15 Amazon ElasticBeanStalk & Amazon Cloudformation & Amazon OpsWorks
16. Day 16 AWS Economics & AWS Account Overview *
17. Day 17 AWS Architecture
18. Day 18 AWS Certification Preparation

[With Hands on Demo]

AWS Import/Export Snowball

AWS Import Export



- Introduction to Import/Export SnowBall
- How it works?
- When to use Import Export

AWS Import/Export Snowball



AWS Snowball is a petabyte-scale data transport solution that uses secure appliances 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.

Transferring data with Snowball is simple, fast, secure, and can be as little as one-fifth the cost of high-speed Internet.

Snowball is designed for customers that need to move lots of data (generally 10 terabytes or more) to AWS on a one-time or recurring basis.

With Snowball, you don't need to write any code or purchase any hardware to transfer your data. Simply create a job in the AWS Management Console and a Snowball appliance will be automatically shipped to you.

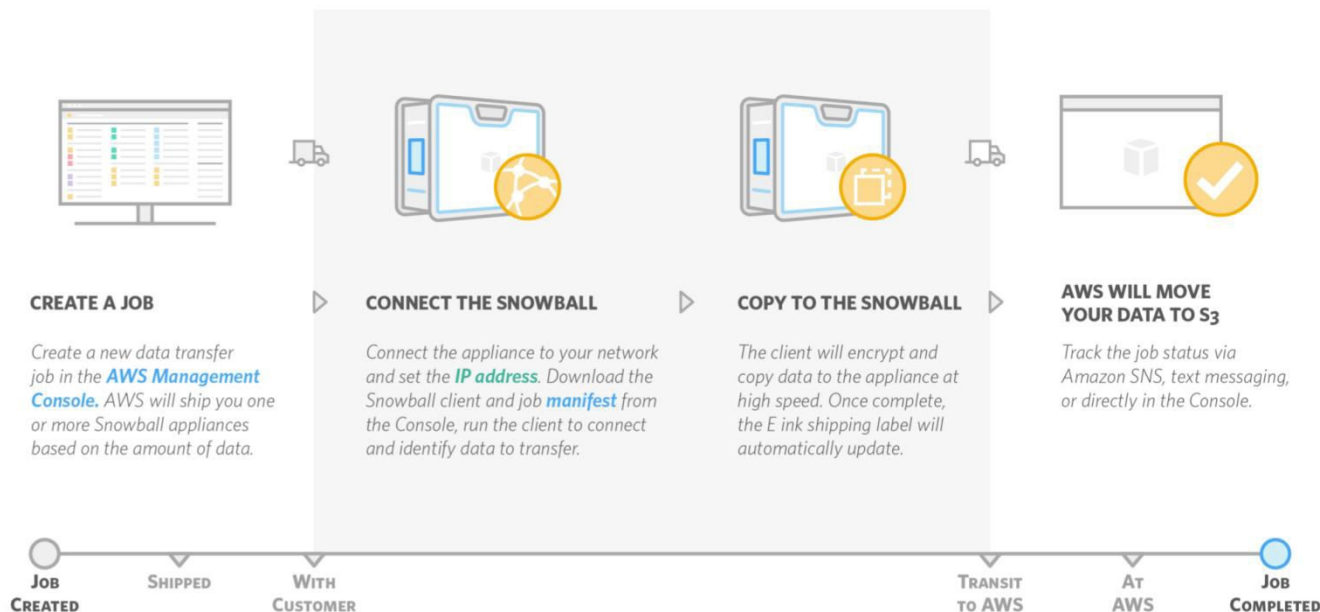
When to use AWS Import Export



- If you have large amounts of data to load and an Internet connection with limited bandwidth, the time required to prepare and ship a portable storage device to AWS can be a small percentage of the time it would take to transfer your data over the internet.
- If loading your data over the Internet would take a week or more, you should consider using AWS Import/Export.

Available Internet Connection	Theoretical Min. Number of Days to Transfer 1TB at 80% Network Utilization	When to Consider AWS Import/Export?
T3 (44.736Mbps)	269 days	2TB or more
100Mbps	120 days	5TB or more
1000Mbps	12 days	60TB or more

How Snowball Works?



Device



- ✓ It is rugged enough to withstand a 6 G jolt, and (at 50 lbs) light enough for one person to carry. Weather-resistant and serves as its own shipping container
- ✓ The data will be 256-bit encrypted on the host and stored on the appliance in encrypted form
- ✓ Supports upto 50 TB data
- ✓ Works with SNS to send you notifications at each step
- ✓ Currently supports Importa only
- ✓ \$200 for Usage charge

AWS Import/Export Snowball



Scalable
(50 TB)

High
Speed

Tamper
Resistance

Secure

Simple

Low Cost

Easy Data
Retrieval

Works
with S3

Summary



In this video we learned AWS Import/Export with SnowBall.

In next session we will have overview about
AWS SES