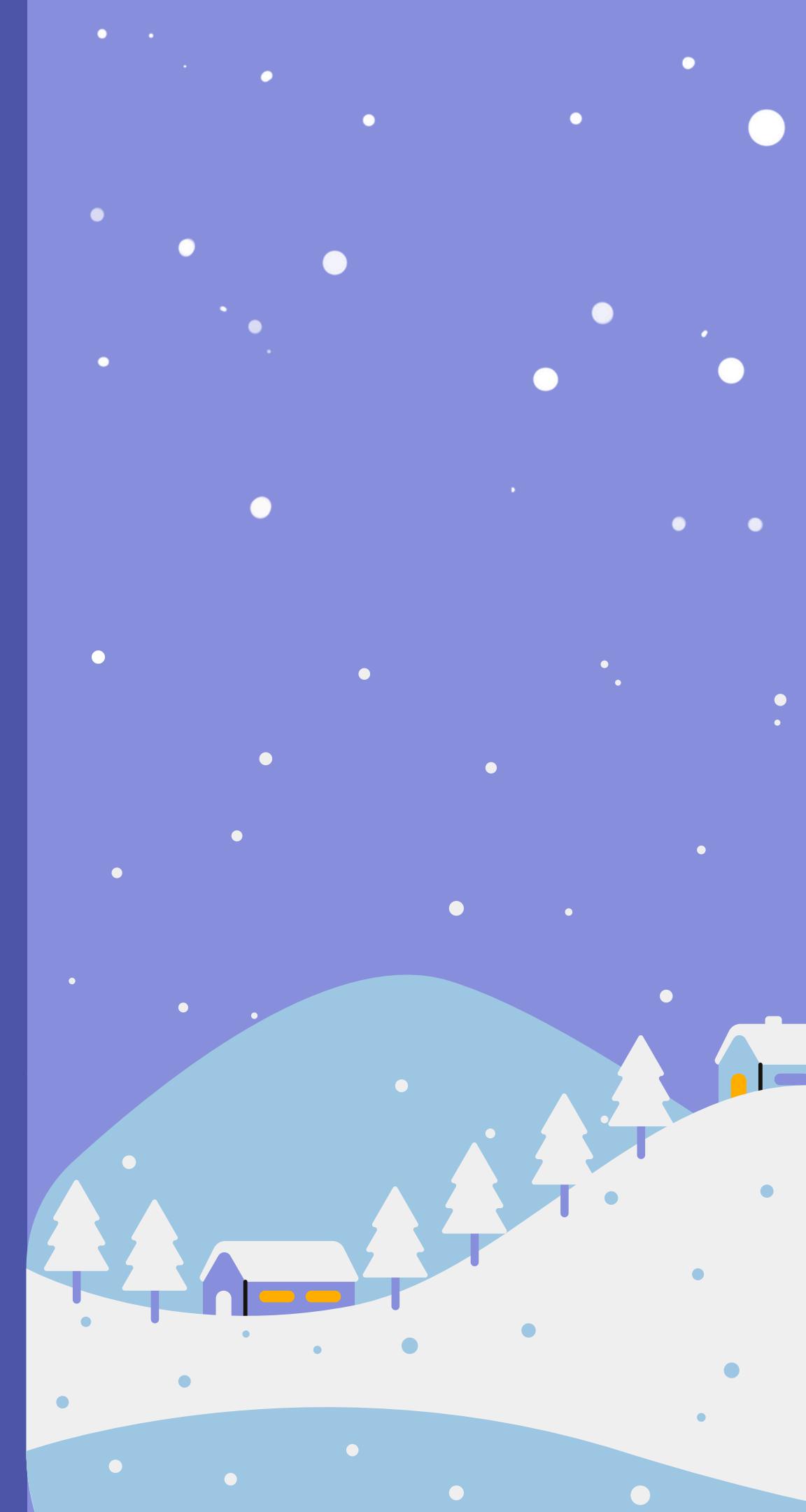


AWS SNOW FAMILY

AWS Storage



01)

Introduction



Introduction

Consists of physical devices that help organizations transfer large amounts of data to and from AWS. The Snow Family includes AWS Snowcone, AWS Snowball, and AWS Snowmobile, each designed for different scales and use cases of data transfer.



02)



Snow Cone



AWS SNOWCONE

AWS Snow cone is the smallest member of the Snow Family, designed for edge computing and data transfer tasks in environments with limited space or network connectivity.

Key Features

- 1 Capacity: Provides 8 TB of usable storage.
- 2 Portability: Lightweight and portable, ideal for remote locations
- 3 Power: Can be powered using a standard power outlet or via an external battery.
- 4 Use cases:

Use Cases



- Edge computing for IoT applications.
- Small-scale data transfer in remote locations.
- Data collection and processing at the edge.

03)



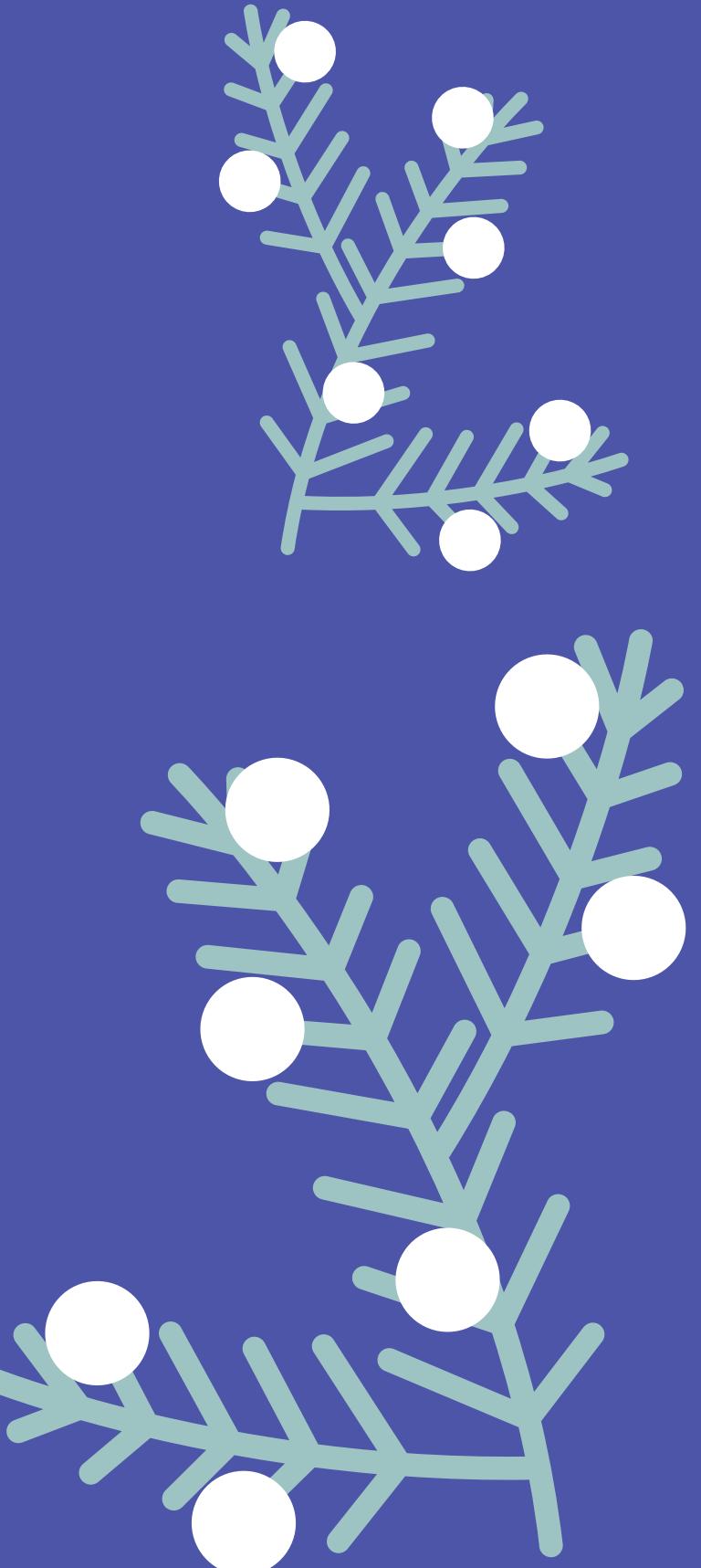
Snow Ball



AWS SNOWBALL

AWS Snowball devices are ruggedized, portable storage devices designed for secure data transfer between on-premises environments and AWS.

- Snowball Storage Optimized
- Snowball Compute Optimized



Snowball Storage Optimized

- Capacity: Up to 80 TB of usable storage.
- Compute: Optional compute capabilities for running EC2 instances at the edge.
- Use Cases:
 - Large-scale data migration.
 - Content distribution and edge computing.
 - Data collection in disconnected or harsh environments.



Snowball Compute Optimized

- Capacity: Up to 42 TB of usable storage.
- Compute: Enhanced compute capabilities for running EC2 instances and Lambda functions.
- Use Cases:
 - Data processing and analytics at the edge.
 - Machine learning inference in remote locations.
 - Temporary storage and compute capacity for field operations.



04)

SnowMobile



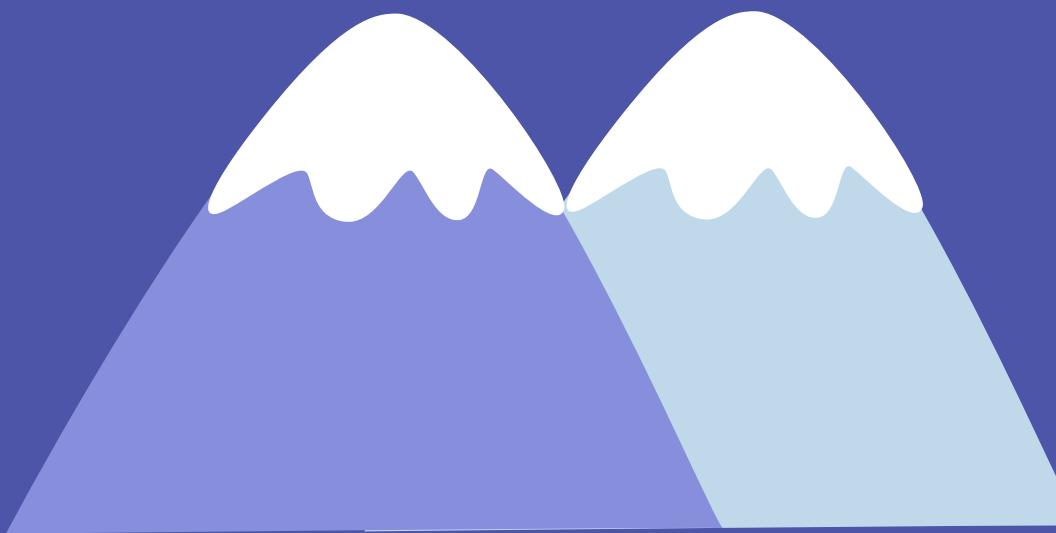
AWS SNOWMOBILE

AWS Snowmobile is an exabyte-scale data transfer service that uses a 45-foot long ruggedized shipping container to move extremely large datasets to AWS.



Retired on March-2024

Snow Mobile



KEY FEATURES

Capacity: Up to 100 PB per Snowmobile.

Security: Equipped with multiple layers of security, including encryption and dedicated security personnel.

Snow Mobile



USE CASES

Large-scale data center migration.

Disaster recovery and data archiving.

Moving large video libraries, scientific datasets, and financial records.

05) Use cases



Data Migration



Efficiently migrate large volumes of data to AWS.

Use Snowball or Snowmobile for initial data transfer and ongoing replication.

Disaster Recovery



Quickly restore large datasets to AWS for disaster recovery.

Store backup copies of critical data in AWS for redundancy.

Edge Computing



Deploy Snowball Edge devices in remote locations for data collection and processing.

Use Snowcone for IoT and edge applications with limited space and power.

Content Distribution



Distribute large media libraries, scientific datasets, or other data-intensive content.

Use Snowball devices to deliver data to remote sites without reliable internet connectivity.

06) Benefits



01) COST EFFECTIVE

- 1** Avoid high data transfer costs associated with internet-based transfers.
- 2** Use Snow Family devices for one-time data migrations or recurring transfers.

02) Secure & Compliant

1

Ensure data security with encryption and tamper-resistant devices.

2

Comply with regulatory requirements for data transfer and storage.

02) Secure & Compliant

1

Ensure data security with encryption and tamper-resistant devices.

2

Comply with regulatory requirements for data transfer and storage.

03) Scalable Solutions

1

Scale data transfer operations from terabytes to exabytes with different Snow Family devices.

04) Edge Processing Capabilities

- 1 Enable local data processing and analytics with snowball Edge and Snowcone.
- 2 Reduce latency and bandwidth usage by processing data at the edge.

Thank you!

Any Questions?

The Tech Stuff

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