



AWS Transfer Family and Other Migration Services

At the core of the lesson

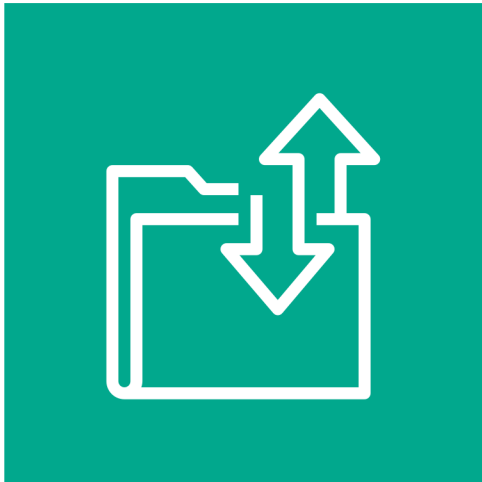
You will learn how to do the following:

- Define the AWS Transfer Family and its key concepts.
- Identify Amazon Web Services (AWS) migration services and their uses.



Transfer Family and key concepts

What is the Transfer Family?



AWS Transfer
Family

The **Transfer Family** is a secure transfer service that you can use to transfer files into and out of AWS storage services.

The Transfer Family supports transferring data from or to the following AWS storage services:

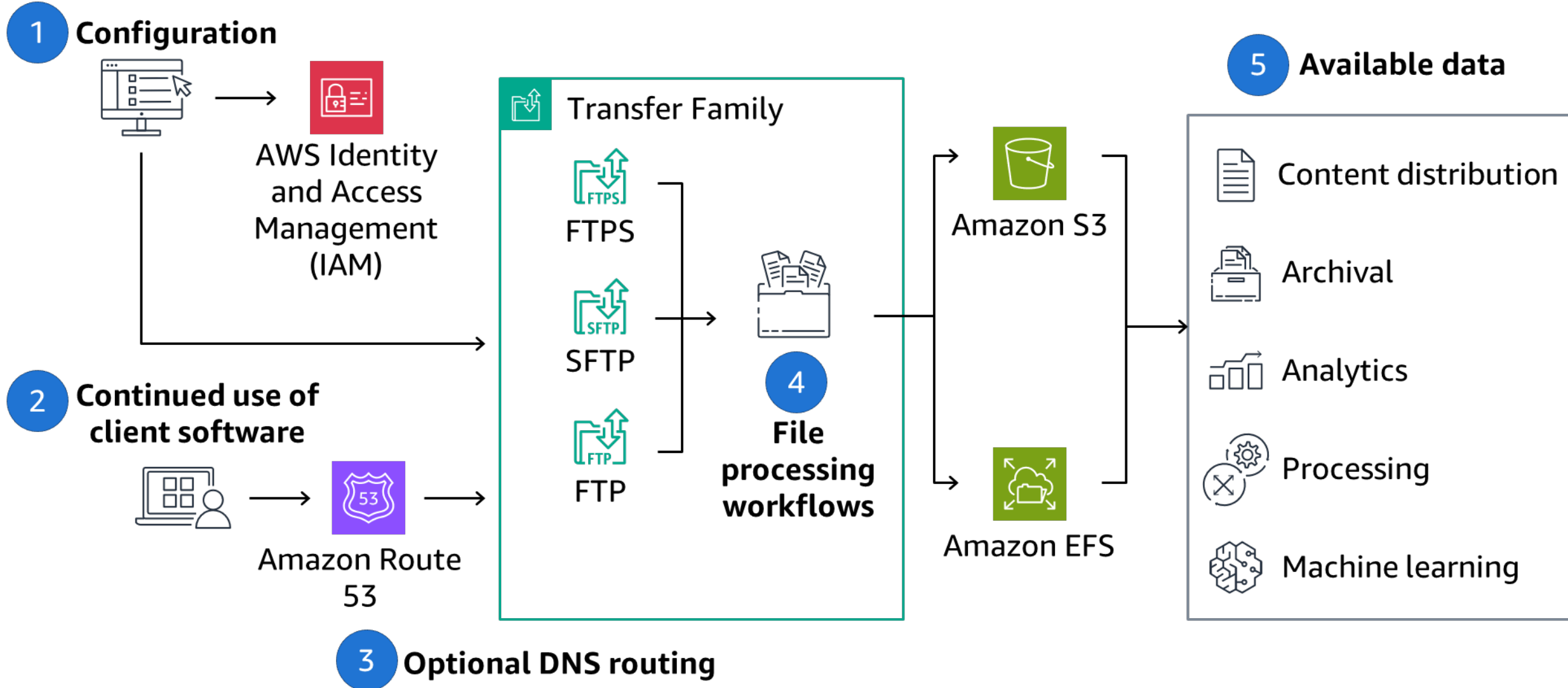
- Amazon Simple Storage Service (Amazon S3) storage buckets
- Amazon Elastic File System (Amazon EFS) Network File System (NFS) file systems

AWS Transfer for SFTP

- Retains existing workflows
- Stores data in an S3 bucket
- Connects directly with your identity provider systems



How the Transfer Family works





Migration services

What is AWS DataSync?



AWS DataSync

DataSync is an online data transfer service that automates, and accelerates the moving of data between on-premises storage systems and AWS storage services. It also moves data between AWS storage services.

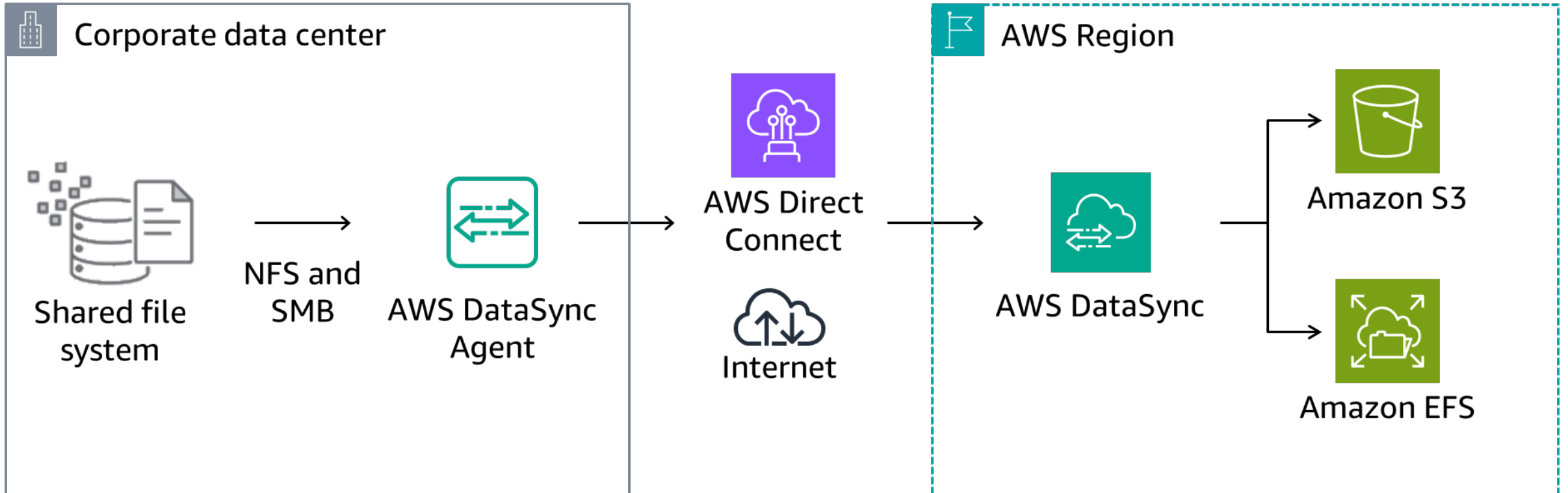
DataSync features

- Synchronizes between on premises and AWS
- Is efficient and fast
- Is a managed service
- Connects over the internet or AWS Direct Connect
- Includes AWS DataSync Agent (NFS protocol)

DataSync use cases

- Data migration
- Archiving cold data
- Data protection
- Data movement for timely in-cloud processing

How DataSync works



What is the AWS Snow Family?



AWS Snowball



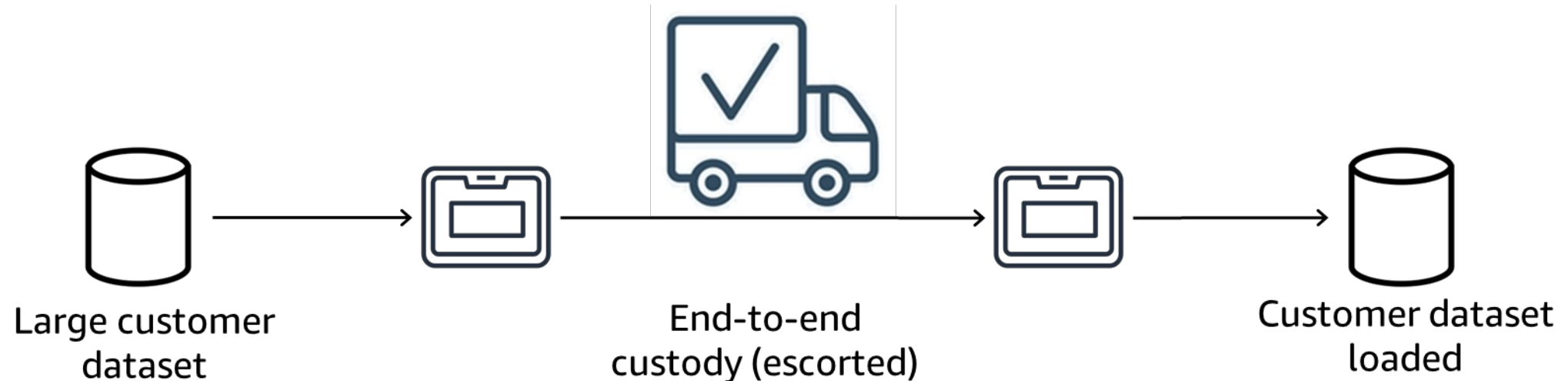
AWS Snowball Edge



AWS Snowcone



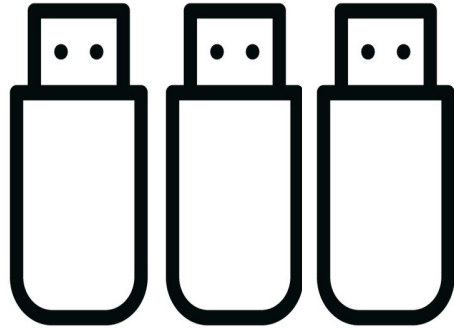
AWS Snowmobile



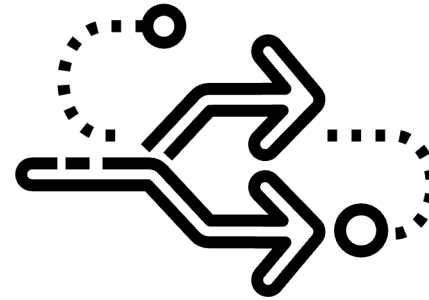
Snowball features



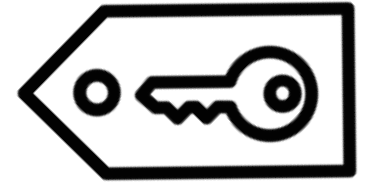
Secure enclosure



Up to 210 TB shipped
in parallel



Uncomplicated
logistics



Strong end-to-end
encryption

Snowball use cases

- Sensors or machines
- Data collection in remote locations
- Media and entertainment aggregate content

Checkpoint questions

1. Which network protocol is used to transfer data securely over the internet?
2. Which AWS data transfer service automates, and accelerates moving and replicating data between on-premises storage systems and AWS storage services over the internet or through Direct Connect?
3. Which member of the Snow Family is the smallest and is ruggedized, secure, and purpose-built for use outside a traditional data center?

Key ideas



- The Transfer Family is a group of fully managed services that you can use to transfer files directly into and out of Amazon S3 by using various protocols.
- AWS Transfer for SFTP makes the transfer of files directly into and out of Amazon S3 possible by using SFTP.
- DataSync is a data transfer service that automates, and accelerates moving and replicating data between on-premises storage systems and AWS storage services over the internet or through Direct Connect.
- Snowball is a large-scale data-transport solution that uses secure physical devices to transfer large amounts of data into and out of the AWS Cloud.



Thank you

Corrections, feedback, or other questions?

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