**Snowball**

* Overview
  + **Petabyte scale** data transport solution for transferring data into or out of AWS  
    Uses secure storage device for physical transportation
  + Snowball client is software that is installed on a local computer and is used to identify, compress, encrypt, and transfer data
  + Uses 256-bit encryption (managed with the AWS KMS) and tamper-resistant enclosures with TPM
  + Snowball must be ordered from and retured to the same region
  + To speed up data transfer it is recommended to run simultaneous instances of the Snowball Client in multiple terminals and transfer small files as batches
  + Snowball can import to S3 or export from S3
* The Snowball Fmaily
  + Several services are offered in the Snowball family
    - The table below describes these services at a high-level
  + Graphical user interface, text, application, email

    Description automatically generated
  + Snowball(80TB) (50TB model only available in the USA)
  + Snowball Edge(100TB) comes with onboard storage and compute capabilities
  + Snowmobile - **exabyte** scale with up to 100PB per Snowmobile
  + AWS Import/export is when you send your own disks into AWS - this is being deprecated in favor of Snowball