# Glossary

**ARS**  
Our permanent databases (ERDA and graphdb) for both the asset's metadata and the asset's other files. It is updated through the use of endpoints created and maintained by NorthTech.

**COMPUTEROME**  
HPC server that does not allow us to automatically connect via SSH, and therefore we are having trouble automating the process of running the pipeline/job scripts for the assets. We will be using periodic api calls to check if any jobs needs to run. Makes it require more infrastructure on both the integrationserver and on computerome server. Uses torque for scheduling.

**DEIC/Slurm**  
HPC server that allows us to connect via SSH and directly start jobs. Uses slurm for scheduling.

**Endpoint**  
Endpoints created by us are continually running and ready to receive some information. They then update the databases on the Intergration Server depending on the information they received.

**File share/proxy/cache DECIDE ON NAME**

**Ingestion Client**

The Ingestion Client is a software program that is installed on the workstation. It is used manually by digitisers. Simplified, it is responsible for sending standardized assets to the N-Drive. It is responsible for:

creating metadata files for digitised specimen according to our standards

preforming simple quality checks

authenticating the digitisers' credentials via connecting to our database on the Refinery Server

Sent the digitised specimen and their metadata files to the UploadAPI

Track errors of the tasks above

**Integration HPC API**

**Intergration Server**

A server running microservices (apps/scripts), local databases, and API endpoints for receiving data. It is responsible for keeping track of assets and their data, initiating processes for assets as needed. Processes are initiated when certain criteria are met, and criteria are changed in the database when inputs are received through the endpoints.

**HPC**  
High performance computing. A general name for the server(s) where we compute new data for the assets. Pipeline scripts and other helper scripts are found here. We are looking to connect and run these scripts primarily through SSH connections when possible.

**Metadata Database**  
A database located on the Intergration Server. It contains the metadata belonging to an asset. This gets updated when we receive new information about the asset and gets populated when the Intergration Server receives a new asset.

**MOS Database**  
A database located on the Integration Server. It keeps track of and connects MOS assets, including their labels. It gets populated when an asset has been identified as a multi-object specimen.

**MOS**  
Multi object specimen. See [explanation](https://github.com/NHMDenmark/DaSSCo-Image-Refinery/blob/main/Documentation/MOS_label_detection.md).

**N-Drive**

Shared drive administered by KU-IT.

**Refinery Server**

The Refinery Server is a server in the KU intranet that is running the UploadAPI. The N-Drive is also mounted on the server, meaning that files stored there can be access from the Refinery Server and new files can be uploaded.

**Rites/Slurm**  
HPC server that allows us to connect via SSH and directly start jobs. Uses Slurm for scheduling.

**SSH**

SSH (Secure Shell Protocol) is a protocol that allows users to remotely login into servers/computers and use the command line for task execution while ensuring certain safety standards.

**Track Database**

A database located on the Intergration Server. It keeps track of most things (see MOS database) that relate to an asset's status and the status of its files (e.g., images). It gets updated when any status or files change for the asset and gets populated when the Intergration Server receives a new asset.

**UploadAPI**

Software program that runs continuously on the Refinery Server. Simplified, it is responsible for receiving asset from the Ingestion Client and administering them on the N-Drive. Its task are to authenticate connection requests/users, receive & save assets (digitised specimen and metadata files) to the N-Drive, and log every asset into a database.

**Workstation**

A workstation consists of a computer and a digitisation setup (for example camera with scaffolding) that is deployed and operated in one of our institutions.