THELMA Production Compute / Networking

Servers

Production

Application	Number of Servers	CPU	RAM	Storage	Notes
THELMA Front-End	2	4	16	250 GB (OS - 50 GB, Storage - 200 GB)	
ArchivesSpace - Application	2	4	16	150 GB (OS - 50 GB, Shared - 100 GB)	Shared storage can be NFS share or equivalent
Archivematica	3	8	32	4.05 TB (OS - 50 GB, Storage - 4 TB)	Storage is used to store ingests. Maximum ingest size is 1 TB. Needs to be shared.
ELK Cluster	3	4	32	250 GB (OS - 50 GB, Storage - 200 GB)	
Solr Cluster	3	4	32	250 GB (OS - 50 GB, Storage - 200 GB)	
MySQL Cluster	3	4	16	250 GB (OS - 50 GB, Storage - 200 GB)	MySQL 5.7

Non-Prod

Application	Number of Servers	CPU	RAM	Storage	Notes
THELMA Front-End	1	4	16	250 GB (OS - 50 GB, Storage - 200 GB)	
ArchivesSpace - Application	1	4	16	150 GB (OS - 50 GB, Shared - 100 GB)	Shared storage can be NFS share or equivalent

Application	Number of Servers	CPU	RAM	Storage	Notes
Archivematica	1	8	32	1.05 TB (OS - 50 GB, Storage - 1 TB)	Storage is used to store ingests. Maximum test ingest size is 250 GB. Needs to be shared.
Solr Cluster	1	4	32	250 GB (OS - 50 GB, Storage - 200 GB)	
ELK Cluster	1	4	32	250 GB (OS - 50 GB, Storage - 100 GB)	
MySQL Cluster	1	4	16	250 GB (OS - 50 GB, Storage - 100 GB)	MySQL 5.7

Networking

1 x Load Balancer per Environment

Storage

Production

HDD Storage

- 250 GB - OS Drives
- 500 GB - Extra drives

Shared Storage (NFS / Shared HDD)

- 4 TB Shared for Ingests

Long Term Storage

- Next 12 Months - 400 TB
- Yearly Growth - 300 TB -> 1.3 PB (Please provide options for both)

Non-Prod

HDD Storage

- 250 GB - OS Drives
- 500 GB - Extra drives

Shared Storage (NFS / Shared HDD)

- 1 TB Shared for Ingests

Long Term Storage

- 1 TB