# Systems Overview

**Version 1.102 (2018)**

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| **Maintained by:** | Systems Administrator & Software Developer |
| **Previous version:** | Version 1.101 (2017) |

The following is a brief overview of ADS PCs, servers and storage, with basic specifications and general use. Names and some of the details have been removed for security reasons.

# PC Inventory

There are our current PCs (managed by the University of York IT services)

| PC Name | Person | Date Purchased | CPU | RAM | Disk Space | IP Address |
|---|---|---|---|---|---|---|
| REDACTED | REDACTED | Feb 2008 | Intel Duo (2.2GHz) | 2GB | 297GB (HD) | REDACTED |
| REDACTED | REDACTED | Dec 2009 | Intel Duo (3.16GHz) | 4GB | 466GB (HD) | REDACTED |
| REDACTED | REDACTED | Dec 2010 | Intel i5 (2.80GHz) | 12GB | 255GB (SSD) + 234GB (HD) | REDACTED |
| REDACTED | REDACTED | Dec 2010 | Intel i3 (3.2GHz) | 4GB | 466GB (HD) | REDACTED |
| REDACTED | REDACTED | Dec 2010 | Intel i5 (2.80GHz) | NONE! | 465GB (HD) | REDACTED |
| REDACTED | REDACTED | Dec 2010 | Intel i3 (3.2GHz) | 4GB | 292GB (HD) | REDACTED |
| REDACTED | REDACTED | Feb 2012 | Intel i7 (3.4GHz) | 8GB | 500GB (SSD) + 1TB (HD) | REDACTED |
| REDACTED | REDACTED | Feb 2012 | Intel i5 (3.3GHz) | 8GB | 500GB (SSD) | REDACTED |
| REDACTED | REDACTED | Jul 2012 | Intel i7 (3.4GHz) | 8GB | 150GB + 380GB + 400GB (HD | REDACTED |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | | partitioned) | |
| REDACTED | REDACTED | Jul 2012 | Intel i7 (3.4GHz) | 12GB | 442GB + 488GB (HD partitioned) | REDACTED |
| REDACTED | REDACTED | Oct 2012 | Intel i3 (3.4GHz) | 8GB | 55GB (SSD) + 148GB (HD) | REDACTED |
| REDACTED | REDACTED | Jul 2013 | Intel i5 (3GHz) | 8GB | 500GB (SSD) | REDACTED |
| REDACTED | REDACTED | Feb 2015 | Intel i5 (3GHz) | 8GB | 465GB (HD) | REDACTED |
| REDACTED | REDACTED | Nov 2015 | Intel i5 (3.3GHz) | 8GB | 250GB (SSD) | REDACTED |
| REDACTED | REDACTED | Nov 2015 | Intel i5 (3.3GHz) | 8GB | 250GB (SSD) | REDACTED |
| REDACTED | REDACTED | Nov 2015 | Intel i5 (3.3GHz) | 8GB | 250GB (SSD) | REDACTED |
| REDACTED | REDACTED | July 2016 | Intel i5 (3.3GHz) | 8GB | 250GB (SSD) | REDACTED |
| REDACTED | REDACTED | November 2017 | Intel i5 (3.3GHz) | 8GB | 250GB (SSD) | REDACTED |

# Virtual Machines

There are our current virtual machines (managed by the University of York IT services)

| Ubuntu Machines | | | | | | |
|---|---|---|---|---|---|---|
| **Number** | **Server Name** | **Ubuntu Version** | **CPU** | **Memory** | **Disk** | **Applications** |
| 1 | REDACTED | 16.04 | 2 | 4GB | 29GB | Allegrograph triple store |
| 2 | REDACTED | 16.04 | 2 | 1GB | 15GB | C14 |
| 3 | REDACTED | 16.04 | 2 | 1GB | 8.8GB | ADS-easy |
| 4 | REDACTED | 16.04 | 2 | 2GB | 30GB | - |
| 5 | REDACTED | 16.04 | 2 | 1GB | 8.8GB | ads, data and mapserver domains |
| 6 | REDACTED | 16.04 | 2 | 2GB | 29GB | CMS, ADS Wiki |
| 7 | REDACTED | 16.04 | 2 | 1GB | 8.8GB | Pubby (linked data interface) |
| 8 | REDACTED | 16.04 | 2 | 4GB | 29GB | Archsearch |
| 9 | REDACTED | 16.04 | 2 | 2GB | 15GB | Spring services (admin, geo, mail, ner, solr) |
| 10 | REDACTED | 16.04 | 2 | 1GB | 8.8GB | Archive download servlet |
| 11 | REDACTED | 16.04 | 2 | 1GB | 29GB | - |
| 12 | REDACTED | 16.04 | 2 | 2GB | 15GB | Library, authentication, login (DEV) |
| 13 | REDACTED | 16.04 | 2 | 2GB | 15GB | Solr (DEV) |
| 14 | REDACTED | 16.04 | 2 | 1GB | 19GB | OAI targets, CMS Licence |

| 15 | REDACTED | 16.04 | 2 | 1GB | 15GB | - |
|----|----------|-------|---|-----|------|---|
| 16 | REDACTED | 16.04 | 2 | 1GB | 19GB | ERA (temporary) |
| 17 | REDACTED | 16.04 | 2 | 1GB | 19GB | Heritage Gateway web services |
| 18 | REDACTED | 16.04 | 2 | 1GB | 8.8GB | Redsquid pages (development), CATS tools |
| 19 | REDACTED | 12.04 | 1 | 29GB | 1GB | Solr (archsearch, archives?) |
| 20 | REDACTED | 14.04 | 1 | 19GB | 1GB | postGIS (TAESP, Whittlewood) |
| 21 | REDACTED | 12.04 | 1 | 29GB | 2GB | Geoserver and mapping webapps on tomcat, e.g. Vetera |
| 22 | REDACTED | 12.04 | 1 | 19GB | 4GB | wikis, intarch search, website comments, OASIS web service |
| 23 | REDACTED | 14.04 | 2 | 19GB | 2GB | ads.ahds domain, checksum program |
| 24 | REDACTED | 14.04 | 2 | 15GB | 4GB | dayofarchaeology domain |
| 25 | REDACTED | 12.04 | 1 | 18GB | 2GB | postGIS, glassfish test server (c14 dev), apache |
| 26 | REDACTED | 14.04 | 1 | 31GB | 1GB | archaeologydataservice, guides domains |
| 27 | REDACTED | 14.04 | 1 | 6.5GB | 1GB | intarch domain, intarch |
| 28 | REDACTED | 14.04 | 1 | 29GB | 1GB | GitLab, Essex sync (SFTP?) |
| 29 | REDACTED | 12.04 | 1 | 7.2GB | 1GB | Society of Antiquities |
| 30 | REDACTED | 14.04 | 2 | 9.1GB | 4GB | Library, authentication, login (LIVE) |
| 31 | REDACTED | 14.04 | 1 | 19GB | 2GB | oasis domain, OASIS, File upload WS, DataCiteToolkit.jar |
| 32 | REDACTED | 14.04 | 1 | 28GB | 1GB | piwik domain, piwik |
| 33 | REDACTED | 12.04 | 1 | 28GB | 1GB | piwik database (mySQL) |

| 34 | REDACTED | 16.04 | 2 | 29GB | 4GB | redsquid, archives |
|----|----------|-------|---|------|-----|--------------------|
| **Windows Machines** | | | | | | |
| 35 | REDACTED | | | | | |
| 36 | REDACTED | | | | | |
| **Solaris Machines** | | | | | | |
| 37 | REDACTED | | | | | solr indexer program |

## Storage

There are our storage systems (managed by the University of York IT services and the UK Data Archive)

| Name | Type | Managed | Size | Purpose | Backup |
|------|------|---------|------|---------|--------|
| REDACTED | NFS | UoY IT Service | 5 TB | Data production | 28 days of snapshots. 90 day tapped backup. |
| REDACTED | NFS | UoY IT Service | 20TB | Data preservation | 28 days of snapshots. 90 day tapped backup. |
| REDACTED | NFS | YoY IT Service | 500GB | Other ADS storage | 28 days of snapshots. 90 day tapped backup. |
| REDACTED | NFS | UoY IT Service | 400GB | Data uploads | 28 days of snapshots. 90 day tapped backup. |
| REDACTED | NFS | UoY IT Service | 20 TB | Active storage | 28 days of snapshots. 90 day tapped backup. |
| REDACTED | SAN | UK Data Archive | 24 TB | Off-site deep storage | Thecus N8900 with 8 x 3TB drives in a RAID 6 combination (available 6 x 3TB) with tapped backup. |