



Archaeology
Data Service

ADS Systems Overview

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1. Purpose of this document

This document provides an overview of the hardware and systems architecture employed by the ADS to carry out its work and support its data preservation and presentation activities.

2. PC Inventory

The ADS has 30 standard PCs, 2 high performance PCs and a large number of laptops.

The University of York IT Services manage and maintain all PCs utilised by the ADS, with the support of the ADS Systems Manager. IT Services are subject to the [University of York Information Policies](#), and the terms of Service Level Agreement between the ADS and University of York IT Services.

3. Virtual Machines

The ADS has 40 linux-based virtual machines.

The University of York IT Services manage and maintain the ADS virtual machines, with the support of the ADS Systems Manager. Both ADS and IT Services are subject to the [University of York Information Policies](#), and the terms of Service Level Agreement between the ADS and University of York IT Services.

4. Storage

The University of York IT Services, with the support of the ADS Systems Manager, manages local data storage. Off-site/deep storage is on Amazon Web Services (Ireland)¹ and Amazon S3 Glacier, under the terms of a dedicated Service Level Agreement.²³

Name	Type	Managed	Size	Purpose	Backup
REDACTED	NFS	UoY IT Service	14TB	Data preservation	28 day snapshots, 90 day taped backup
REDACTED	NFS	UoY IT Service	66TB	Data preservation	28 day snapshots, 90 day taped backup
REDACTED	NFS	UoY IT Service	55TB	Active storage	28 day snapshots, 90 day taped backup
REDACTED	Cloud	Amazon Web Services (Ireland)	-	Off-site deep storage	Amazon S3 Glacier cloud storage

¹ <https://aws.amazon.com/glacier/>

² <https://aws.amazon.com/s3/sla/>

³ <https://www.york.ac.uk/it-services/services/backups/>

5. Applications/Websites

Name	Address
ADS website	https://archaeologydataservice.ac.uk
Archsearch	https://archaeologydataservice.ac.uk/archsearch
Archives	https://archaeologydataservice.ac.uk/archive
ADS-easy	https://archaeologydataservice.ac.uk/easy
ADS Library	https://archaeologydataservice.ac.uk/library
C14	https://archaeologydataservice.ac.uk/c14
Heritage Gateway	https://www.heritagegateway.org.uk
OAI targets	https://archaeologydataservice.ac.uk/about/endpoints.xhtml
Linked Data	http://data.archaeologydataservice.ac.uk
Guides to Good Practice	https://guides.archaeologydataservice.ac.uk
Informing the Future in the Past	https://archaeologydataservice.ac.uk/ifp
Mesolithic Research and Conservation Framework	https://archaeologydataservice.ac.uk/researchframeworks/mesolit
Archaeological Resources in	https://archaeologydataservice.ac.uk/arches

Cultural Heritage: a European Standard	
OASIS blog	https://archaeologydataservice.ac.uk/blog/oasis
Internet Archaeology	https://intarch.ac.uk
OASIS 5	https://oasis.ac.uk
OASIS API	https://docs.oasis.ac.uk/api
Discovering England's Burial Places	http://www.debs.ac.uk
UNPATH'D WATERS	https://unpathd.ads.ac.uk

6. Printing, photocopying and scanning

[York Print Plus](#) (University of York) provide printing, copying and scanning services for the ADS under the general terms of the [Information Services Service Standards](#) (2014).

7. Software

The University of York IT Services provide [basic software, alongside anti-virus and malware protection](#), for all managed PCs. In instances where specific software is required to support the provision of preservation services and the dissemination of data, the ADS purchases discreet licences.