Data Safe Haven Service

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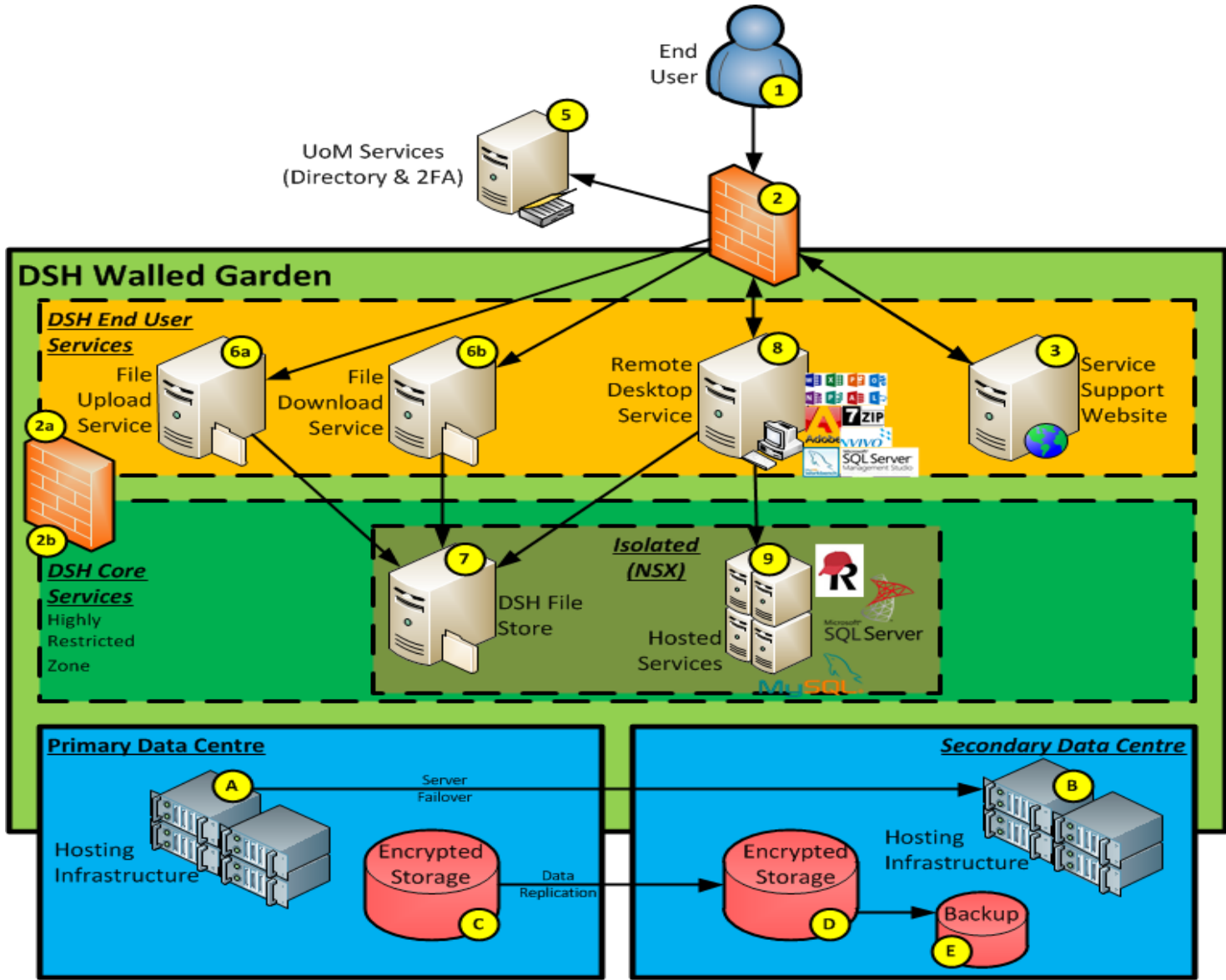Research IT Club, 29th November 2017

Overview

- Introduction
- The Data Safe Haven
- Applications
- Benefits
- Summary

Introduction

- Initially for NHS Digital data users.

- A new Data Safe Haven Service for the secure management and processing of personal, sensitive and confidential information used within the University's research studies for data provided by NHS Digital.

- The DSH is required to provide the environment and tools to support the complete lifecycle of research projects that need to handle sensitive information in compliance with the NHS IG Toolkit.

Introduction (2)

- The service provides a single, partitioned secure environment, a Data Safe Haven (DSH), to manage these data which includes secure data transfer, data processing and data storage whilst eliminating the need to provide specific, differential assurance within each and every study.

End User (1)

UoM Services (Directory & 2FA) (5)

(2)

DSH Walled Garden

DSH End User Services

File Upload Service (6a)

File Download Service (6b)

Remote Desktop Service (8)

Service Support Website (3)

(2a)

(2b)

DSH Core Services
Highly Restricted Zone

Isolated (NSX)

DSH File Store (7)

Hosted Services (9)

SQL Server

Primary Data Centre

Hosting Infrastructure (A)

Encrypted Storage (C)

Server Failover

Data Replication

Secondary Data Centre

Hosting Infrastructure (B)

Encrypted Storage (D)

Backup (E)

NHS Digital Requirements

- ISO 27001, ISO 27002
- Meets the requirements for ISO 27017 and ISO 27018
- ISO 27040
- Encryption in transit (Go Anywhere)
- Encryption at rest

Applications

- Stata
- Microsoft Office 2013
- IIS Server
- SPSS v21
- R
- MS Management Studio
- MS SQL
- 7-zip
- Adobe Reader XI
- Image J
- Media Player Classic
- Microsoft Internet Explorer
- Redcap (Research Electronic Data Capture)

- Secure printing
- Filemaker Pro
- Do File Editor
- MATLAB
- MySQL
- Audacity
- NVIVO
- BrainBank
- DSS Player Pro
- Irfanview
- MySQL Workbench

Benefits

- Secure environment aligned with NHS Digital Requirements

- Standardised approach
  - System Level Security Policies
  - Enabling easier and hopefully speedier data acquisition

- Removing the worry around NHS Digital's technical requirements

Summary

- Service due Q1 2018

- Initial access to the service is via agreement with Compliance and Risk

- Further information will be communicated when the service is available