

Information Governance Department
First Floor, South Wing
St Thomas' Hospital
Guy's and St Thomas' NHS Foundation Trust
Westminster Bridge Road
London SE1 7EH

Telephone: 020 7188 7525
Email: foi@gstt.nhs.uk

13th December 2016

By email: request-367233-079e9d02@whatdotheyknow.com

Dear Mr Power,

Re: FREEDOM OF INFORMATION REQUEST: 58197

Please find below the response to your Freedom of Information request to Guy's and St Thomas' NHS Foundation Trust.

You may re-use this information (except for logos) under the terms of the Open Government Licence ^[1]. If you would prefer to receive the information in an alternative electronic format, please let us know.

1. What is your annual IT Infrastructure Budget for 2016 & 2017?

The annual IT Infrastructure Budget for 2016 & 2017 is £1.35m revenue (operational) with current infrastructure project of £10.7m capital. Additional capacity is purchased as required for capital projects as they are approved. Additional capacity for existing systems is purchased as required from revenue

2. What storage vendor(s) and model do you currently use?

The storage vendor and model are:

Current Estate - NETAPP FAS 3270 HA (x2), 3250 HA, 2240, 2040 HA (x2), EF540.

Future Estate - NETAPP FAS 8080 (x3).

a. When was the installation date of above storage vendor(s)?

Model	Estate	Installation Date
2040 HA	Current	2010
3270 HA	Current	2011
3250 HA	Current	2014
EF540	Current	2014
2240	Current	2013
8080 HA	Current *	2016

*Please note that this is a mix of Current & Future. Hardware was installed in 2015, was Live June 2016. The project is to be completed in 2017. We have one of the NETAPP 8080 up and running in MDC, as MDC for SDC is Live, and hosting Live Services.

b. *When is your planned (or estimated) storage refresh date? (Month/year)*

The estimated storage refresh is 2020/2021.

c. *What is your estimated budget for the refresh?*

There is no budget presently defined for the next refresh .

d. *What date does your storage support contract end? (Month/year)*

Storage Support	Contract End Date
NET APP (current estate)	31 March 2017
NET APP DMZ (current estate)	31 March 2017
NET APP & Cisco UCS (current estate)	30 September 2017
Managed Service	30 September 2017

e. *What is the value of your storage support contract?*

The Trust holds this information, but considers it is exempt under section 43 of the Act, as disclosure would be likely to prejudice commercial interests.

f. *What is the capacity of the storage data in TB?*

The storage capacity is approximately 2.5 Petabytes.

3. *What backup software do you use?*

The Trust uses the following backup software:

Comvault Simpana 9 – To be retired

Backup Exec 9.1/10d/11d – To be retired

Commvault Simpana 10 with upgrade to 11 – Long term strategic solution

a. *How much data do you backup in TB?*

The Trust backs up approximately 420TB of data.

b. *When is your planned (or estimated) backup software refresh date? (Month/year)*

The planned backup software refresh will be in 2020.

c. *What is the estimated budget for your backup software refresh?*

There is no budget presently defined for the next backup software refresh.

d. *When does your backup support contract end? (Month/year)*

The backup support contract ends in 2020.

e. *What is the value of your backup support contract?*

The budget for the backup software refresh is consolidated into the tender for the Compute and Storage refresh programme

4. *What compute vendor(s) and model do you currently use?*

Vendor	Model	Operating System
Compaq Proliant	PROLIANT 3000, DL360, DL380 Various Models	Windows Physical or VMWare Hypervisor

Cisco	Blade – B200 M3	VMWare ESX 5.1 and 6.0
Fujitsu Primergy	RX200/300/600	Windows
Fujitsu	Blade – BX922 S4	VMWare ESX 4.0
Cisco	C-Series UCSC-C220-M4S	Windows

a. *Number of servers?*

Server Name	Number of Servers
VMWare ESX Hosts	126
Virtual Servers	Approximately 1,456
Physical Servers HP	26
Physical Servers Fujitsu	27

b. *What operating system(s) do you use?*

The Trust uses the following operating systems:
 Windows Server 2000/2003/2008/2012
 Linux – Redhat, Ubuntu
 HP Unix
 ESX 4.0/5.1/6.0

c. *What percentage is virtualised?*

Approximately 95% is virtualised.

d. *Virtualisation platform?*

The Virtualisation platform is VMWare ESX.

e. *When is your planned (or estimated) compute refresh date? (Month/year)*

The estimated compute refresh is in 2020.

f. *When does your compute support contract end? (Month/year)*

The compute support contract ends on 31st March 2017.

g. *What is the value of the compute support contract?*

The Trust holds this information, but considers it is exempt under section 43 of the Act, as disclosure would be likely to prejudice commercial interests.

5. *If you outsource your IT works, please provide who it is with and when the contract started and ends.*

The Trust outsources the IT works to ANS. The contract was initiated in 2011/2012 and ends in September 2017.

Please let us know if you require more details or further clarification. You can find out more about the Trust and our publication scheme at our website ^[2].

If you are dissatisfied with our response, please use our FOI review process by contacting foi@gstt.nhs.uk or writing to:

Deputy Information Governance Manager (FOI Review)
Information Governance
1F South Wing
St Thomas' Hospital
Westminster Bridge Road
London SE1 7EH

Please be aware that reviews will not be conducted via public forum, and we will require your name and contact address in order to respond.

If you remain dissatisfied after a review, you have the right under s50 of the Act to apply to the Information Commissioner's Office for a decision. Further details about this and the Act can be found on their website ^[3].

Yours faithfully,

A handwritten signature in black ink, appearing to read 'Steve McGuire', with a stylized, cursive script.

Steve McGuire
Managing Director of Essentia

[1] Either version 3 or, at your discretion, any later version – <http://www.nationalarchives.gov.uk/doc/open-government-licence/>

[2] <http://www.guysandstthomas.nhs.uk/about-us/publications/foi/freedom-of-information.aspx>

[3] <http://www.ico.org.uk>