

PeerGFS™ in Health Care

Using PeerGFS to manage Remote Data for the Health Care Sector

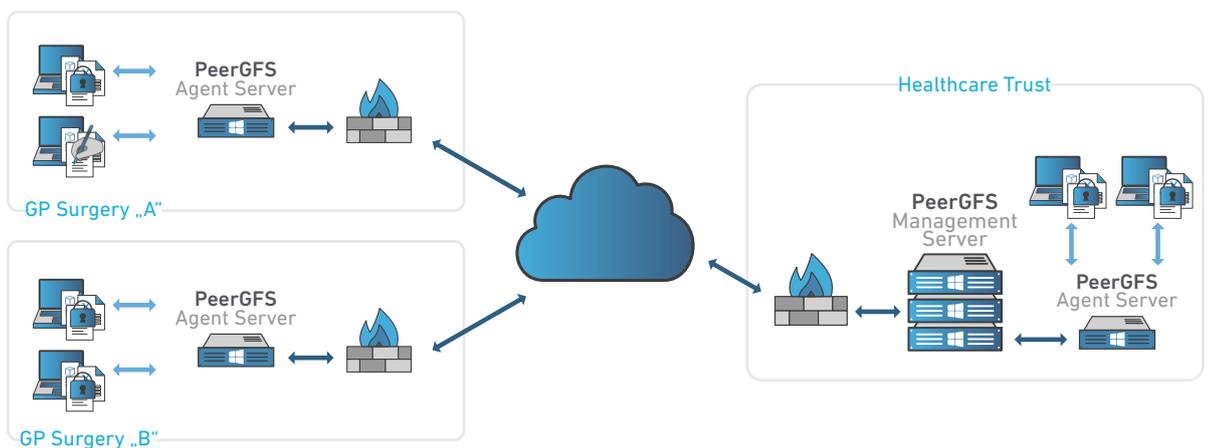
THE CHALLENGE

- » Mobile workers, specifically General Practice Doctors accessing local data held on Windows File Servers located in surgeries
- » The flexibility for Doctors to be efficient accessing patient records when working from multiple locations
- » Sharing patient records with other GP's whilst safeguarding the content, avoiding overwrites and duplications
- » Overcoming slow connection links between surgeries and hospitals

THE SOLUTION

- » By installing PeerGFS on Windows File Servers at each location and the DC, changes were replicated at a delta level between surgeries in real-time, overcoming any connectivity issues
- » File locking was added to allow documents to be collaborated on without the risk of losing data, overwriting notes and duplicating records
- » The PMC (Peer Management Console) was installed in the DC, enabling administrators to manage multiple file servers from a single pane of glass
- » Multi-vendor and multi-Cloud support = highly flexible environment, no matter what the future holds

SETUP EXAMPLE



THE RESULT

- » Doctors could easily work from multiple locations and have local access to all their files without the need for any infrastructure refresh
- » Malicious Event Detection (MED) – PeerGFS' in-built Malicious Event Detection measures added an extra layer of security, thus stopping viral attacks such as Crypto Locker before they could cause any damage
- » Administration became easier as the IT team had a view across all Windows File Servers from within a single instance via the centrally-managed PMC

CASE STUDY - PEER SOFTWARE IN HEALTH CARE

DESIGN CONSIDERATIONS

MINIMUM PEER MANAGEMENT CENTER SERVER CONFIGURATION

- » Windows Server 2008 operating system or later.
- » Must be a dedicated server. Physical servers are preferred and may be necessary in some cases, but high performance VMs running on enterprise-class hypervisors can usually suffice.
- » At least four processor cores.
- » At least 4GB of system RAM with 1.5GB dedicated each to the Broker and Hub services.
- » At least 50GB of free disk space on a reliable hard drive to accommodate installation and log files.

RECOMMENDED PEER MANAGEMENT CENTER SERVER CONFIGURATION

- » Windows Server 2008 R2 64-bit operating system or later.
- » Must be a dedicated server. Physical servers are preferred, but high performance VMs running on enterprise-class hypervisors can work in environments depending on load.
- » Four or more processor cores.
- » At least 8GB of system RAM, with at least 4GB dedicated to the Hub service and 3GB dedicated to the Broker service.
- » At least 250GB of free disk space on a reliable, fast hard drive or RAID array of hard drives to accommodate installation and log files.

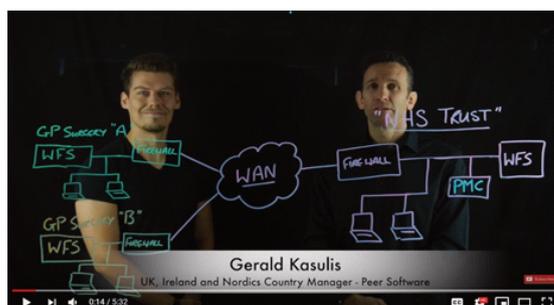
MINIMUM AGENT SERVER CONFIGURATION FOR WINDOWS

- » Windows Server 2008 operating system or later.
- » Physical servers are preferred and may be necessary in some cases, but high performance VMs running on enterprise-class hypervisors can usually suffice.
- » At least two processor cores.
- » At least 4GB of system RAM with 1GB dedicated to the Agent service.
- » At least 5GB of free disk space on a reliable hard drive to accommodate installation and log files.

*Windows Server 2012 / 2012 R2 deduplication technology is supported.
Agents communicate over Port 61616 for TCP or 61617 for SSL*

ADDITIONAL INFORMATION

- » FIND OUT MORE ABOUT PEER SOFTWARE FOR THE HEALTH SERVICE IN THE VIDEO BELOW:



- » <https://www.youtube.com/watch?v=z8n0vlxsSSw>

ABOUT US

Since 1993, Peer Software has developed data management solutions that address unique challenges related to data synchronization, backup, and file collaboration in multi-site (WAN) environments.

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