

# GARY PHIPPS

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## Introduction

Proactive and results driven IT professional with 10 years solid experience designing and implementing SAN and Backup solutions on large/clustered enterprise level UNIX and windows servers.

Having previously worked for EMC as an Implementation Specialist, I now work as an independent storage specialist.

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## Skill Set Overview

- **Hardware:**  
SUN Servers up to SF15k  
Compaq Servers up to GS320  
Various ATL, StorageTek, and ADIC tape libraries
  - **Operating Systems**  
Solaris 2.6 to 2.9  
Digital UNIX/Compaq Tru64 to v5.1A  
AIX to 4.3
  - **Clustering**  
Windows MSCS (Basic knowledge)  
Veritas Cluster for Solaris (Basic knowledge)  
TruCluster 5.1A
  - **SAN Hardware**  
McData  
Brocade  
EMC Symmetrix  
EMC DMX  
EMC CLARiiON CX600 and CX700  
Nexsan SATABeast  
DotHill R/Evolution Arrays
  - **SAN Software**  
EMC ControlCenter (to version 5.2 SP3)  
EFCM  
Falconstor's IPStor
  - **Backup Software**  
Legato Networker to version 7.3  
Legato Networker PowerSnap
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## Career History

### Silverstring Storage Management

(City of London)

#### Storage Specialist

(January 2009)

**Fabric upgrade:** Working alone I upgraded a pair of fabrics at M and G Investments (a Prudential company). This involved upgrading the firmware on a pair of McData 6140 directors and a pair of brocade B32s.

I also upgraded EFCM to version 9.7.3.

This was carried out successfully within the customer's tight timescale of 3 hours.

### AAH Pharmaceuticals

(Coventry)

#### Storage Specialist

(May 2007 - December 2008)

**Rebuild the live infrastructure:** Working alone I built a more resilient infrastructure by physically separating two fabrics and laying new fiber cables. Migrating live servers, some of which were not multi-pathed proved quite a challenge. This project was completed successfully.

**Storage platform migration:** I advised and assisted AAH migrate from the homogeneous (EMC) tiered storage structure to a heterogeneous tiered environment. This meant migrating from EMC's PowerPath to Falconstor's Dynapath product on various different platforms and environments and migrating storage across platforms. As part of this task I was required to design the configuration of the EMC hardware that would remain on-site, and also had a major input to the design of the new infrastructure.

**VMWare server implementation:** I also assisted the VMWare project. My role in the project was to prepare the SAN infrastructure for the release of a number of Blade servers running VMWare. This included upgrading SAN switches to a version of the Fabric OS that supports NPIV. I was also involved in the implementation process.

## **Thames Valley Police**

(Kidlington, Oxfordshire)

**(October 2004 – May 2007)**

### **EMC<sup>2</sup> Implementation Specialist**

Technical lead in the migration of Windows and Unix systems to the recently acquired EMC SAN.

Main Achievements:

- **Migration to SAN.** Having planned the migration, I then oversaw the migration hosts to DMX800 arrays. Hosts were mainly windows and Solaris, including cross-site clusters. Applications included Oracle and Microsoft Exchange. This was very much a 'hands on' role.
- **SAN Management.** Day-to-day management of SAN using EMC ControlCenter and symconfigure.
- **Backup to Disk (B2D)** using Legato Networker (version 7.3) with PowerSnap. I assisted in designing and implemented a B2D system backing up to CLARiiON CX700 arrays. Backup Clients included those being migrated to the SAN as well as LAN attached.
- **Education/Handover.** I passed on knowledge to the local staff. This included EMC Control Center, Legato Networker and knowledge of SANs in general

I originally started working for Thames Valley Police whilst working as an Implementation Specialist for EMC<sup>2</sup>.

In June 2005 I left EMC<sup>2</sup> to work directly for Thames Valley Police.

## **EMC<sup>2</sup> CitiGroup**

(Canary Wharf)

**(May 2004 – September 2004)**

### **EMC<sup>2</sup> Implementation Specialist**

My first assignment for EMC<sup>2</sup> was to work as a Storage Administrator at CitiGroup in Canary Wharf.

Working alongside three other members of a team responsible for:

- Managing over 400TB of storage across multiple Symmetrix, DMX and CLARiiON;
- Managing multiple fabrics across multiple sites;
- Forecasting and planning future requirements;
- The controlled release of storage to hosts;
- Integrating changes using strict change control;

**DEFRA**  
(Guildford)

**(July 2002 – April 2004)**

### **SAN and Backup Consultant**

Department of Environment Food and Rural Affairs.

My initial (4 week) contract was to upgrade the existing version of Legato Networker. Upon completing the upgrade I was asked to recommend improvements.

Included in my recommendations I suggested improvements to the backup and data SANs, upgrading the infrastructure, and changes to the Disaster Recovery plans. My contract was extended to implement some of my recommendations.

Highlights through the contract included:

- With the use of BCVs, Legato Networker and knornshell scripts implemented as 'Server-less' backup of Oracle 9i databases on a clustered SunFire 15k server (integrated into the Disaster Recovery process);
- Specified dedicated Backup servers for both Guildford and Westminster sites and oversaw their builds;
- Implemented new backup SAN and backup regime, which reduced backup and clone times to provide more effective use of resources;
- Configure Legato Networker to use 'LAN-free' backups;
- Specified and configured an ADIC Scalar 10k tape library (1500 tape slots and 12 SDLT tape drives);
- Upgraded and moved a tape library for use in the Disaster Recovery environment;
- Implemented a Disaster Recovery strategy for two smaller systems.

## **1994 to 2002**

- Between 1994 and 2002, I had several contracts including working at RAF Innsworth, British Telecom and the Bank of Scotland.
- For the contracts at RAF Innsworth, Defra, and Thames Valley Police I was security cleared.
- My career in IT began as a Cobol programmer for British Gas. I then moved into UNIX support, which was my main role for around 15 years before moving into Storage and Backups.

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## **Interests**

- Member of the Round Table, an organisation that focuses on social events, and raises money for local and national charities.
- Member of Spice, a group with which I have learnt to scuba-dive and attended mountain biking events.
- Member of the local gym and cycle to keep fit. I'm currently attempting to become fit enough to take part in a coast to coast cycle ride across North England.

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## **Additional Information**

- Full clean UK driver's license and my own car.
- Referees available upon request.
- I have been working in I.T. since 1986, and have been contracting through my own limited company since 1994.
- I have worked in several sectors including Financial, Police, Pharmaceutical, public sector, and government agency

