

Security Clearance MOD SC (24/04/09); DV (19/08/09)
Specialism UNIX: Solaris, Red Hat Linux, AIX, HP-UX
Experience 12+ years
Availability April 2012

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TECHNICAL PROFILE

SOLARIS

A decade of professional experience in roles covering administration, architect / design, deployment and support of enterprise Solaris solutions for a variety of organisations including VISA, JP Morgan Chase, Orange, Barclays, IBM and British Energy. Projects included security, file transfer, applications support, volume management, scripting and backups.

- Solaris experience 2.3 to Solaris 10 and Solaris 11 / OpenSolaris;
- System build experience using Solaris 2.6 through to 10 on hardware from Ultra 5 through to SF15/25K;
- Symantec Veritas Storage Foundation (SF) to version 5.0; SVM / DiskSuite;
- Solaris Cluster to v3.2; Symantec Veritas Cluster Server (VCS) experience to v5.0;
- Sun patching, security checking and Jumpstart / JET builds;
- Solaris Virtualisation with Solaris 10 containers / zones, LDOM's, Solaris xVM, Virtual Box and VMware.
- Performance tuning using mixture of disk volume, Unix commands and applications;
- Backup using scripts, Symantec Veritas NetBackup and Legato Backup.

LINUX / RED HAT ENTERPRISE LINUX (RHEL)

Ten years experience of mainly Red Hat / RHEL 3, 4 and 5 plus other flavours including Ubuntu, CentOS and SuSE for a number of organisations including Orange, Britannia, UK Government, British Energy, First Group and GE.

- Installations, patching, Package Management, application installations and automation;
- Experience of HP DL-series server hardware, Software deployment using scripts within secure SSH environments;
- Kickstart build experience, SAN integration experience using EMC and HDS;
- Linux within a virtualised infrastructure using VMware ESX, Virtual Box and Red Hat KVM;
- Experience of building and deploying RPM packages within a corporate environment.

AIX

Seven years systems administration experience gained with organisations including Barclays, JP Morgan Chase and VISA in projects using a mixture of AIX versions 4.3.x to 6.1.

- IBM Power5 / 6 maintenance and awareness of NIM build methods;
- HACMP and LPAR virtualisation experience. Discovery and fix of APAR IY89236;
- HMC installation experience.

HP-UX

- Five years experience of HP-UX from versions 10.x and 11 including LVM, builds and Ingite;
- Experience gained from Zurich Bank, Viatel, Bristol-Myers-Squib, Orange and GE;
- Projects have included initiating backup routines (Viatel), secure file transfer (Zurich) and LVM operations (GE).

SAN

- Hitachi Data Systems (HDS) / Sun StorEdge 9980 using Truecopy and Shadow Image data replication;
- EMC Symmetrix DMX800 maintenance and administration;
- Brocade SilkWorm, Cisco and Nishan Fibre switch installation and maintenance.

SECURITY

- Sarbanes Oxley (SOX) compliance experience at Orange, JP Morgan Chase, Barclays, Zurich Bank and IBM;
- Server Security hardening experience either manually using scripts or via packages (ESM, JASS);
- Firewall configuration experience using EFS, Sunscreen Lite and IPfilter;
- Security reporting experience using BMC Patrol, Enterprise Security Manager (ESM) and JASS;
- Encryption using Secure Socket Layer (SSL) certificates, Keys (SSH) or add-hock methods;
- Jumpstart Architecture & Security Scripts (JASS), SSH, Tripwire, TCP Wrappers, eTrust, KeON.
- Secure Message / file transfers using Connect:Direct, Secure+, File Agent, MQ, Tibco & SCP scripts;
- Experience of security checks using software port scanners Nmap and Nessus;
- Single Sign-on using LDAP and integration with Active Directory, Website access Management using Siteminder;

UNIX SCRIPTING

- Ten years Unix scripting experience mostly using Bourne or bash along with Awk and Sed;
- Experience of Perl scripting and Basic C;
- Automation of tasks using scripts includes system checks, file transfers and general systems maintenance.

SYMANTEC VERITAS STORAGE FOUNDATION, CLUSTER AND NETBACKUP

- Storage Foundation (Volume Manager (VxVM) / File System (VxFS) from v2.4 to v5.0;
- Veritas Cluster Server (VCS) installations and configuration experience to v5.0 at Orange, GE and IBM;
- NetBackup experience at Orange, British Energy, Britannia Building Society, IBM and Viatel.

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WORK HISTORY

Nov 2009 **Unix Systems Administrator** **Contract (2 renewals)**
Mar 2012 **UK Government**

Rollout of corporate applications across a large Unix / Linux estate, consisting of several thousand servers which included environments based on Solaris (SPARC, x86), HP-UX (Itanium, PA-RISC), CentOS, RHEL (3 thru 6), Debian, Fedora, SuSE and Ubuntu within a secure environment using specialist security software for corporate accountability, control and vulnerability reporting.

Key projects and achievements:

- Virtual and physical server builds using Solaris, Linux and VMware;
- Shell scripting of a wrapper script used for the deployment of a secure application;
- RHEL RPM development and deployment, scripting development and maintenance;
- Configuration and release control along with creation of and updating of documentation.

Sept 2008 **Secure Messaging Systems Architect** **Contract**
Dec 2008 **Barclays, Knutsford**

Support, development and maintenance of Barclays secure payments systems using a combination of Connect:Direct and MQ based on Unix (Solaris, AIX and RHEL), z/OS and Windows servers.

Key projects and achievements:

- Document installation procedures for Connect:Direct and Secure+ on Unix and Windows platforms;
- Production of transfer scripts on Unix and Windows platforms and integration into Tivoli and Unix cron.

Aug 2007 **Systems Architect / Unix Systems Administration** **Contract (2 renewals)**
Aug 2008 **Orange, Bristol**

A Systems Architect role for several projects including a SAP migration from HP-UX to Solaris.

Key projects and achievements:

- Solaris builds for a SAP ERP system covering Finance and materials, HR and Retail;
- Hardware included Prime Power 250,450,1500, Sun M4000 and Txxxx servers;
- Support of Symantec Veritas SF, VCS, NetBackup, JET, EMC storage with SRDF replication
- EMC storage with SRDF replication; Solaris containers, Sarbanes Oxley (SOX); RedHat Linux.

July 2006 **Unix System Administrator** **Contract (2 renewals)**
Aug 2007 **VISA Europe, Hampshire**

BAU and project support within a large 24x7 Solaris and AIX 500 server environment using Symantec Veritas Storage Foundation, VCS, Solaris Cluster and HACMP cluster configurations.

Key projects and achievements:

- SF15K domain migrations to SFV210 servers using Jumpstart/JET; SF25K domain installations;
- SF6800 upgrades; Opsware and BladeLogic evaluation; EMC Power Path installs, Solaris patching;
- Connect:Direct, Apache, Websphere and Abinitio environments;
- IBM APAR IY89236 fix; Sun fixes for 6567546 and 6585200, Sun Alert 102986;
- Solaris 10 RBAC, zones / containers, ZFS, Jumpstart server.

Jan 2006 **Unix System Administrator** **Contract (1 renewal)**
June 2006 **British Energy, Gloucestershire**

Project based with Sun professional services to upgrade systems for Document Management, NetBackup and energy trading using Solaris, Oracle DB, Solaris Cluster, Apache and NetBackup.

June 2005 **Unix System Administrator** **Contract**
Dec 2005 **Britannia Building Society, Staffordshire.**

Unix systems administration using Solaris, RHEL and AIX. Solaris virtualisation using zones;

Dec 2004 **Unix System Administrator** **Contract**
June 2005 **IBM, Reading**

Systems administration within a Solaris, AIX and RHEL based environment.

Key projects and achievements:

- SF15K, SSH and SSL upgrades, Symantec Veritas Storage Foundation, NetBackup installs;
- HDS / Sun StorEdge 9980 LUN allocation to servers using Storage Navigator;
- Sun SVM / DiskSuite, Apache, Solaris 8, 9 and 10, LDAP; Solaris 10 containers / zones;
- Server penetration testing using Nmap and Nessus, Enterprise Security Manager (ESM);
- Jumpstart Architecture and Security Scripts (JASS) toolkit / Solaris Security Toolkit.

UNIX PROFESSIONAL

STUART BUDD

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June 2004 Nov 2004	Unix System Administrator Bristol-Myers-Squibb, Chester Systems administration within a Solaris, HP-UX and RHEL based environment.	Contract
Oct 2003 Mar 2004	Solaris and AIX Systems and Security Administration JP Morgan Chase, Bournemouth Security management within a Solaris, AIX and RHEL based environment using eTrust and KeON.	Contract
Jun 2003 Sep 2003	Unix Systems Administrator / Currency Trading Administrator Electronic Data Systems (EDS), London Solaris and Red Hat server administration with support for financial trading applications within 24x7 environment.	Contract
Dec 2001 Jan 2003	Unix Systems / Banking Trading Systems Administration Barclays Capital, Poole Project to support and improve Barclays Capital batch payments processing system.	Contract (3 renewals)
Mar 2001 Jul 2001	Unix and Windows Systems and Security Administration Zurich Bank, Cheltenham Project to implement secure message transfers using Perl, Expect / Tcl, Secure+ and Connect:Direct.	Contract (2 renewals)
Oct 2000 Mar 2001	Unix Systems Administrator Viatel, Redditch Audit of Unix based systems. Improved backup procedures and HP Open View monitoring.	Contract (1 renewal)
May 2000 Sep 2000	Solaris Internet and Security Consultant QXL, London Server and systems support using Symantec Veritas NetBackup, NIS and NFS.	Contract
Mar 1999 Mar 2000	UNIX Systems Administration GE Capital, Bristol Systems administration within a Solaris, HP-UX and RHEL based environment.	Contract

EDUCATION

1994-1999	BSc Computing	University of the West of England, Bristol, England
1988-1991	HND Computer Studies	University of the West of England, Bristol, England
1986-1988	OND Computer Studies	Filton Technical College, Bristol, England
1980-1986	7 'O' Levels including Mathematics	Monks Park / Henbury schools, Bristol, England

PROFESSIONAL DEVELOPMENT

Red Hat Certified System Administrator (RHCSA)	Red Hat / QA	2011
Red Hat Certified System Administrator (RHCE)	Red Hat / QA	2011
Sophos Security Software	Sophos, Abingdon	2011
AIX System Administration II: Problem Determination (AU16GB)	IBM	2009
Solaris 10: Logical Domains Administration	Sun Microsystems	2009
AIX System Administration I: Implementation (AU14GB)	IBM	2008
Symantec Veritas Storage Foundation (VxVM, VxFS) 5.x	Symantec Veritas	2007
Symantec Veritas Cluster Server (VCS) 5.x	Symantec Veritas	2007
Solaris Cluster 3.1 Advanced	Sun Microsystems	2006
Symantec Veritas Volume Manager	Sun Microsystems	1998
Solaris System Administration 1 and 2	Sun Microsystems	1997
Managing Ingres Databases / Ingres System Administration (UNIX)	Computer Associates	1996
Dynix / ptx SVM Administration, UNIX Systems Administration 1 & 2	Sequent	1994/5

ADDITIONAL INFORMATION

I enjoy the technical challenge presented by large IT environments and consider my greatest strength is the ability to solve problems and grasp new technologies quickly. This is complemented by a disciplined approach to tasks and excellent documentation skills.

Interests: Cycling, road running, music
References: Available on request

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SYSTEMS EXPERIENCE

OPERATING SYSTEMS

Oracle Solaris (SPARC & x86): 2.3 to 11, Open Solaris / Solaris Express
Linux Red Hat (RHEL): RHEL 2.x to 6
IBM AIX: 4.3.x to 6.1
HP-UX (Itanium, PA-RISC): 10.x, 11i
Linux other: SLES (SuSE Linux Enterprise Server), CentOS, Debian, Ubuntu and Fedora
Microsoft (DOS / Windows): Windows XP, Windows Server 2003, 2008, Windows 7, DOS, 3.11

UNIX SOFTWARE

Oracle Solaris: ZFS, DTrace, DiskSuite, Solaris Cluster to v3.2; Jumpstart Assisted Security Scripts (JASS); Jumpstart Enterprise Toolkit (JET) system builds and maintenance.
HP HP-UX Omniback, HP OVO, LVM, Ignite tape creation.
IBM AIX: High Availability Cluster Multi-Processing (HACMP) from v4.4.1 to v5.2, HMC server Installation. Logical Partition (LPAR) management.
Red Hat Linux: RPM package building and deployment, Kickstart server builds and management.
Storage: Symantec Storage Foundation (VxVM), LVM / DiskSuite, ZFS.
HA Systems: Cluster Server (VCS) to v5.0, Sun Cluster, HACMP.
Backup: Symantec NetBackup
Virtualisation: Solaris SPARC containers / zones, Domains, Logical Domains LDOM's, VMware ESX, Virtual Box; IBM AIX Logical Partitions (LPAR), RHEL KVM.
Security: SSH, Tiger, Tripwire, TCP Wrappers, LANDesk, Sophos, COPS, eTrust, KeON; Enterprise Security Manager (ESM), Nmap & Nessus port scanners.
File Transfers: Sterling Commerce Connect:Direct, Secure+, FileAgent, Control Centre, MQ, SCP, sftp, Tibco.
SAP: SAP R/3 / Enterprise Resource Planning (ERP): Finance & materials, HR, Retail, SAP router.
Monitoring: HP OVO, BMC Patrol, ESM, Foglight, BigAdmin.
Scheduler: Tivoli Workload Scheduler (TWS), Control-M.
Other: Samba, Apache, Websphere Application Server (WAS), Blade Logic, Opsware.
Unix shells: bash, korn, bourne, Expect / Tcl, Awk, Sed.

DATABASES

Ingres: 6.4/06
Open Ingres: 1.2, 2.0
Sybase: 11
Oracle: 8, 9i, 10g, 11g

OTHER SOFTWARE

Office: Microsoft Office, OpenOffice, MS Project **Software Management:** ClearCase, ClearQuest
Other: HP Service Desk, HP Asset Manager, LANDesk, Discover, Exceed, Reflection X, Putty

BANKING / FINANCIAL

Barclays: Trading support, secure data transfers, application support for financial transfers (SWIFT, CHAPS)
Zurich: Secure data transfers using Connect:Direct.
VISA: Unix Systems management, Security, Secure data transfers.
EBS: EBS Trader support.
JP Morgan: Unix Systems management and security.
GE Capital: Unix Systems management, Security, Secure data transfers.

HARDWARE

Solaris Systems: Solaris Sun Fire: V100 thru to 25K, Netra: 1, T1, X1, 105, Ultra 2 to 30; Fujitsu Prime Power 250 to 1500; Solaris Enterprise: 2 to 6500.
Solaris Storage: A1000, D1000, A5100, A5200, Sun StorEdge D2, S1, T3, 3xxx, 69980, Unipack, Multipack.
Tape Storage: Sun StorEdge L8, L20, L180, L700.
HP-UX Servers: 9000: L2000, K360, K410, K460, K570, rp5470, rp7410, N4000.
Red Hat: IBM x3xxx M servers, HP/Compaq Proliant
AIX: Power4, Power5 505, 510, 520, 550, 560, 570, 590/595.
SAN / NAS: Hitachi HDS / Sun StorEdge 9980 using Truecopy and Shadow Image data replication; EMC Symmetrix DMX800, Brocade SilkWorm 2400, 2800, 3800, 3900 and 4100 FC switches.

NETWORKS

TCP/IP, Ethernet, Fibre, Serial RS232, terminal servers.