

CURRICULUM VITAE

STUART BUDD

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CURRICULUM VITAE

STUART V BUDD

Voodoo IT Ltd

Tel/Fax +44 (0) 117 951 1700

Mobile 0778 083 7287

Email stuart.budd@voodooit.co.uk

Web: www.voodooit.co.uk

PROFILE

Solaris

A decade of Solaris systems administration experience gained from a variety of organisations including GE, IBM, JP Morgan Chase, Barclays Capital, EDS, Orange, Bristol-Myers-Squib, QXL and Britannia Building Society with projects including security, file transfer, applications support, Volume management, scripting and backups.

- 10 years experience from Solaris 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;
- Performance tuning using mixture of disk volume, Unix commands and applications;
- Backup experience using scripts, Veritas NetBackup and Legato Backup;
- Veritas Storage Foundation (Volume Manager VxVM, File System VxFS) to version 5.0; SVM / DiskSuite;
- Sun Cluster 2.2 and 3.1, 3.2 Build and maintenance experience;
- Veritas Cluster support and build experience to v5.0;
- LDAP maintenance, script creation for user account maintenance;
- Star Fire E10K, Sun Fire 6800/6900, Sun Fire 15/25K domain, and SSP / SC maintenance and patching experience;
- Experience of Sun patching, security checking and Jumpstart / JET builds.
- Solaris 10 experience with containers / zones, ZFS, Service Management Facility (SMF);

AIX

Four years of systems administration experience gained with organisations including Barclays, JP Morgan Chase and VISA with projects using a mixture of AIX versions 4.3.x to 5.3.

- IBM Power5 maintenance and awareness of NIM build methods;
- Some HACMP experience including the discovery and fix of APAR IY89236;
- Awareness of virtualisation using LPARs.

HP-UX

My experience includes:

- 4 years experience of HP-UX from versions 10.x and 11;
- Experience gained from University of the West of England, Zurich Bank, Viatel 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.

Unix scripting

- 8 years Unix scripting experience using C (csh), Korn, (ksh) and Bourne (sh) shells 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.

Veritas / Symantec Applications

- Storage Foundation (Volume Manager (VxVM) / File System (VxFS) from v2.4 to v5.0;
- Veritas Cluster Server (VCS) experience to v5.0;
- NetBackup upgrade and configuration experience from v3.4 to v4.5 and from v5.1 to v6.0

Veritas / Symantec Volume Management, Cluster and NetBackup

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

Security

- Sarbanes Oxley (SOX) compliance at Orange, JP Morgan Chase, Barclays, Zurich Bank and IBM;
- Server Security hardening experience either manually, via scripts or 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), Enterprise Security Manager (ESM);
- Secure Message / file transfers using applications such as MQ, Connect:Direct, Secure+, File Agent and scripts;
- Single Sign-on using LDAP and integration with Active Directory, Website access Management using Siteminder;
- SSH, Tripwire, TCP Wrappers, eTrust, KeON.

Documentation

- Excellent.

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PERSONAL INFORMATION

Address: 32 Douglas Road, Horfield, Bristol, BS7 0JD
Marital Status: Single
Nationality: British
Driving Licence: Full

PROFESSIONAL PROFILE

A proficient computing professional with over a decade of operational experience, specialising in Unix flavours including Solaris, HP-UX, AIX and Linux, covering various issues such as networking, security, storage management, scripting, backup/recovery, performance management and process automation.

I work well individually or as part of a team and enjoy the technical challenge presented by large IT environments. 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. I value input from colleagues and consider peer review an essential part of any work.

EXPERIENCE

Sept 2008 **Unix Systems / Middleware / Secure Messaging Systems** **Contract**
Dec 2008 **Barclays, Knutsford, <http://www.barclays.co.uk>**
Project to support, maintain and improve Barclays secure payments systems using a combination of Connect:Direct and MQ based on Unix (Solaris and AIX) 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 integrate into Tivoli and Unix cron;
- Production of scripts for general Connect:Direct functions and use of File Agent for automation;
- Use of Sterling Control Centre for monitoring of transfers.

Aug 2007 **Systems Architect / Unix Systems Administration** **Contract (2 renewals)**
Aug 2008 **Orange, Bristol, <http://www.orange.co.uk>**
Project based contract to produce technical architecture definitions for projects including a SAP migration from HP-UX and Solaris servers to Sun Microsystems and Fujitsu Prime Power servers within a Veritas Cluster Server configuration. Other environments included AIX and HP-UX.

Key projects and achievements:

- Server builds for Prime Power 250,450,1500 and Sun M4000 and Txxxx servers
- Veritas SF, VCS and NetBackup. Additional environments included Bull AIX and HP-UX;
- Architecture design and implementation with organising of quotations and engineers;
- SAN storage of HDS and EMC with use of SRDF replication for the clustered environment;
- Disaster Recovery using JET / Jumpstart with flash archives and production of documentation;
- Production of a NetBackup client on a DVD for automatic booting and recovery;
- Documentation for Unix servers and Sarbanes Oxley (SOX) compliance;
- SAP ERP integration of separate systems covering Finance and materials, HR and Retail.

July 2006 **Unix System Administrator** **Contract (2 renewals)**
Aug 2007 **VISA Europe, Hampshire, www.visaeurope.com**
BAU and project support within a large 24x7 Solaris and AIX 500 server environment using Veritas / Symantec VCS, Sun Cluster and AIX HACMP cluster configurations.

Key projects and achievements:

- Migration of SF15K domains to SFV210 servers using Jumpstart/JET;
- SF25K domain installations; SF6800 upgrades; Opsware and Bladelogic evaluation;
- Installation of Connect:Direct, Apache, Websphere and Abinitio environments;
- EMC Power Path installation and patching on Solaris and AIX servers;
- HACMP error and fix, APAR IY89236; Sun SF6800 SC bugs 6567546, 6585200, Sun Alert 102986;
- Sun T1000 and T2000 server builds using JET; Veritas VxVM upgrades from v3.x to v5.0;
- Solaris 10 Secure installations using RBAC (Role Based Access Control) for secure systems;
- Installation and configuration of Solaris 10 zones/containers and ZFS pools;

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Jan 2006 June 2006	Unix System Administrator British Energy, Gloucestershire, www.british-energy.com Project to install three, two node Sun Cluster installations along with other servers using NetApps and StorEdge 3xxx external storage for energy trading, documentation, oracle and NetBackup systems. Key projects and achievements: <ul style="list-style-type: none">▪ Installation of Oracle and Apache hosting servers that were clustered using Sun Cluster;▪ Fully tested above and production of handover documentation to support staff.	Contract (1 renewal)
June 2005 Dec 2005	Unix System Administrator Britannia Building Society, Staffordshire, www.britannia.co.uk BAU and project work within a Solaris and EMC storage environment. Key projects and achievements: <ul style="list-style-type: none">▪ Unix systems administration on Solaris, Red Hat and AIX hardware platforms;▪ Solaris 10 containers / zones proof of concept using Apache;▪ NetBackup firewall configuration and upgrade from v4.5 to v5.0, EMC SAN maintenance.	Contract
Dec 2004 June 2005	Unix System Administrator IBM, Reading, www.ibm.com Support based environment with some project based deliverables including reducing the time a SF15K domain running 120 Oracle instances took to boot from 90 minuets down to 15 minuets and producing a Sun Solaris server patching strategy for IBM. Key projects and achievements: <ul style="list-style-type: none">▪ SF15K SMS maintenance upgrade, SSH and SSL upgrade, Veritas VxVM, VxFS & NetBackup;▪ 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.	Contract
June 2004 Nov 2004	Unix System Administrator Bristol Myers Squibb, Chester, http://www.b-ms.co.uk Solaris, HP-UX and RedHat Linux systems administration within a support environment with some project work that included Sarbanes Oxley (SOX) compliance, iPlanet mail administration, new server installations using Solaris 9 on v120, v210 and v240 platforms and Solaris / HP-UX server patching.	Contract
Oct 2003 Mar 2004	Solaris and AIX Systems and Security Administration JP Morgan Chase, Bournemouth, http://www.jpmorgan.com Security administration within a secure Solaris (RBAC), AIX and RedHat based environment for Sarbanes Oxley compliance using SeOS / eTrust and RSA BoKS / KeON security products.	Contract
Jun 2003 Sep 2003	Unix Systems Administrator / Currency Trading Administrator EDS, www.eds.co.uk 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, www.barcap.com Project to support and improve Barclays Capital batch payments processing system, Bulkfile that interfaces with other financial products such as SOLD, AFTS and Nostro for secure payment transfers using a mixture of AIX, Solaris, HP-UX, NT, Tivoli, Oracle, SQL, MQ and Connect:Direct.	Contract (3 renewals)
Mar 2001 Jul 2001	Unix and Windows Systems and Security Administration Zurich Bank, Cheltenham, www.zurich.co.uk Project to implement secure message transfers for ISO17799 within a banking environment using Korn, Perl, Expect/Tcl scripts with SSH, HiPortfolio, Tivoli/Maestro and Secure+ with Connect:Direct.	Contract (2 renewals)
Oct 2000 Mar 2001	Unix Systems Administrator Viatel, Redditch, http://www.viatel.com 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.com (internet auction site), London Installation and the support of servers using Veritas NetBackup, NIS and NFS.	Contract

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Mar 1999	UNIX Systems Administration	Contract
Mar 2000	GE Capital, Bristol, www.gecapitalfinance.com Support and projects using Solaris, AIX, Dynix / ptx and RedHat.	
Mar 1996	UNIX and database Systems Manager	Permanent
Feb 1999	University of the West of England, Bristol, www.uwe.ac.uk UNIX systems administration using Solaris, HP-UX 10 & DYNIX / ptx 4.0.4;	
Mar 1995	User Support Co-ordinator	Permanent
Mar 1996	University of the West of England, Bristol, www.uwe.ac.uk User support within a Unix and PC environment.	
Oct 1994	PC Analyst / Developer	Contract
Mar 1995	BAE Systems, Bristol, www.baesystems.com Bespoke dBase IV applications development and Novell Administration.	
Mar 1994	Software Project Administrator	Contract
Jun 1994	Clerical Medical, Bristol, www.clericalmedical.co.uk Production and implementation of test plan for new Oracle financial package.	
Mar 1993	PC Analyst / Developer	Contract
Oct 1993	BAE Systems, Bristol, www.baesystems.com Development of bespoke dBase IV application.	
Jun 1990	Computer Support Officer,	Contract
Oct 1990	Southmead Hospital, Bristol, www.nbt.nhs.uk	
Jan 1990	Dec PDP 11 Computer Operator	Permanent
Jun 1990	Remploy Limited, Bristol, www.remploy.co.uk Operations, user support and problem resolution.	
Nov 1985	Computer Operator	Contract
Jan 1986	South West Water Authority, Bristol, www.southwestwater.co.uk Punch card loading and organising paper tape streams.	

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

AIX Systems Administration I: Implementation (AU14GB)	IBM	2008
Veritas Storage Foundation (VxVM, VxFS) 5.x	Symantec / Veritas	2007
Veritas Cluster Server (VCS) 5.x	Symantec / Veritas	2007
Sun Cluster 3.1 Advanced	Sun Microsystems	2006
Veritas Volume Manager	Sun Microsystems	1998
Solaris 2.6 System Administration II	Sun Microsystems	1997
Solaris 2.5 System Administration	Quanta Training Ltd	1997
Managing CA-Ingres Databases	Computer Associates	1996
CA-Ingres System Administration (UNIX)	Computer Associates	1996
Dynix / ptx SVM Administration	Sequent	1995
Dynix / ptx UNIX Systems Administration 1 & 2	Sequent	1994

ADDITIONAL INFORMATION

Security Clearance:

Interests:

References:

To CTC level by Defra on 28th April 2005

Cycling, road running, music

Available on request

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OPERATING SYSTEMS

Sun Solaris: 2.3 to 11, OpenSolaris **HP-UX:** 10.x, 11i **AIX:** 4.3.x to 5.3
Linux: Redhat, Ubuntu, CentOS, Susie **Microsoft:** DOS, Windows XP, VISTA

HARDWARE

Sun Systems: Star Fire E10K, Sun Fire 4800/4900, SF15K, SF20/25K; Fujitsu Prime Power 250, 450, 1500; Sun Fire: 280R, V100, V120, V210, V240, V440, V480, V490, V880, V890; Netra: 1, T1, X1 and 105; Enterprise: 2, 5, 250, 450, 3000, 4000, 5000, 6000 and 6500, Ultra 2, 5, 10 and 30; SPARCstation: 5 and 10; SparcCentre 2000E, UltraServer 1,5 and 10, T1000, T2000, Mx000; A1000, D1000, A5100, A5200, Sun StorEdge D2, S1, T3, 3xxx, 69980, Unipack, Multipack;
Sun Storage: Sun StorEdge L8, L20, L180, L700;
Tape Storage: A1000, D1000, A5100, A5200, Sun StorEdge D2, S1, T3, 3xxx, 69980, Unipack, Multipack;
HP-UX Servers: 9000: L2000, K360, K410, K460, K570, rp5470, rp7410, N4000, VA7100 Disk Array.
RedHat: HP/Compaq Proliant: DL380 G2, DL380 G3, 6500, 1600.
AIX: RS6000, F50, H70, 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.

UNIX SOFTWARE

Sun: Solstice DiskSuite / Volume Manager, Sun Cluster to v3.2, Solstice AdminSuite, Solstice / Legato (Sun StorEdge Enterprise Backup) 4.1 to 5.5, Solaris Management Console (SMC); Jumpstart Enterprise Toolkit (JET), Jumpstart Assisted Security Suite / Security Toolkit (JASS);
Veritas / Symantec: Veritas Cluster (VCS) 2.2 to 5.0, Veritas NetBackup 3.4 to 6.0
Storage Foundation (Volume Manager and File System) to v5.0, High Availability (VCS) to v5.0;
HP-UX Omniback, HP OpenView Operations, LVM, Ignite tape creation.
AIX HACMP: High Availability Cluster Multi-Processing v4.4.1, v4.5, v5.1 and v5.2.
Solaris Security: Jumpstart Assisted Security Suite / Security Toolkit (JASS), Secure Solaris using RBAC, containers;
Security (general): SSH, Tiger, Tripwire, TCP Wrappers, COPS, Enterprise Security Manager (ESM), eTrust, KeON.
File Transfer: Sterling Commerce Connect:Direct, Secure+, FileAgent, Control Centre, MQ, SCP, sftp;
SAP: SAP R/3 / Enterprise Resource Planning (ERP): Finance & materials, HR, Retail, SAP router;
Alerting: HP OpenView Operations, BMC Patrol, Tivoli / Maestro, I-Watch, Foglight, BigAdmin;
Virtualisation: Sun: LDOM, Zones, Containers, xVM IBM: LPAR, WPAR Hypervisors: VirtualBox, VMware iPlanet / Netscape Messaging Server v4.1, v5.0, LDAP, NIS, NIS+, DNS, NFS, Samba, Apache,
Other: Websphere, Prophacy Accounting, Holos, Blade Logic, Opsware, JetDirect, Intershop, Uniplex.

DATABASES

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

PROGRAMMING LANGUAGES

C ++, Perl, Java, Cobol, HTML, DOS, Expect / Tcl, Awk, Sed, Unix shells: (Csh, Korn, Bourne)

PC SOFTWARE PACKAGES

Emulators: Humming Bird Exceed, Reflection X, Putty
Word processors: Microsoft Word, Open Office, vi, emacs.
Helpdesk Systems: Remedy, Asyst.
Web Development: HotMetal Pro, FrontPage, Dreamweaver,
Project: MS Project, Artemis 7000

BANKING / FINANCIAL

Barclays: SWIFT, Branch Accounting, RISK, Billing, Nostro, Vostro, SOLD, TRAMS and SMS.
Zurich: Secure message transfers.
EBS: EBS Trader support.
JP Morgan: Systems Security.
GE Capital: Secure Message Transfer and systems security.

NETWORKS

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