#### PERSONAL DETAILS

Address: Highgate Tel: 0113 272 2005 Email: mick@whinhirst.co.uk

Lane End Mount Prof Qual’s MBCS, C.Eng, ITIL,

PUDSEY Solaris 9, HPUX & HP-XP (HDS) Array Cert’n

LS28 9AE Clearance SC Security Cleared (Expired Aug ‘15)

**OVERVIEW**

Over 25yrs experience in the IT industry working on Development, Support, Design & Delivery projects which has resulted in me gaining experience on a wide range of installations rather than concentrating on only a single platform or industry sector.

My skillset is truly multi-skilled although my main skillset would be Unix/Linux & Storage in both physical and virtualised cloud environments working in Delivery/Build teams. In addition to this I have 10 yrs experience in NetBackup, SAN and SAN Storage (HDS/HP/NetApp) plus a good knowledge of networks. I run a number of small public websites written in PHP and have also worked with Chef, Puppet & AWS; the Puppet I self funded training in Holland and with AWS, recently completed the AWS badges online and am currently supporting an AWS Dev/Test/Stage/Live Environment configured using Chef. I also have experience in working in an agile environment (Kanban)

Over the years I've worked on all types of Enterprise Environments; although always with a Storage/Unix/Linux focus and feel confident that I would be able to find similarities with the advertised role..

My experience covers the following ares; all of which I’d be comfortable using in future roles :-

Operating Systems

* Solaris (Cert’d Admin)
* HPUX (Cert’d Admin)
* Tru64
* Linux/Redhat/CentOS/SUSE
* AIX
* DEC/AXP VMS

Storage

* HP – EVA / 3Par
* HP – P9500 / XP (Cert’d)
* HDS – USPV/VSP & HUS
* Sun – StorageTek
* NetApp

Database

* Ingres
* MySQL / NOSQL
* OracleMethodologies
* ITIL

SAN

* Brocade

Clustering

* Sun Veritas Clustering
* VMS Clustering
* Tru64 Clustering
* HPUX Dataguard
* AIX HACMP

Cloud/Virtualisation

* VMWare
* OVM
* KVM
* HP VM
* AWS
* Solaris LDOMProgramming
* Shell Scripting
* Perl / Python
* PHP
* C / COBOL
* XML/XLS Scripting
* HTML Scripting

Software

* AWS
* NetBackup
* Veritas Volume Mgr
* Apache/Tomcat
* Puppet / GIT / Chef
* Connect Direct - Secure+
* CMDB
* Nagios
* Terraform (AWS)

#### DETAILED EXPERIENCE

**June 16 - Current – Retail Company**

Software: **CentOS 6, GIT, DNS, Apache/Tomcat, Nagios, MySQL, Kanban, VirtualBox, RunDeck, HAProxy**

**Amazon AWS (Cloudformation, VPC, EC2, S3, Route53, EFS, RDS, IAM), ELK, VirtualBox, Chef**

Working in an IT Support Team where the primary web hosted systems are supported on AWS. The Web systems are being migrated to MicroServices accessed through HAProxy and the AWS environments are built using the standard blocks (VPC, EC2, S3, Route 53, RDS, IAM and the new EFS) along with ELK logging with configuration management held in Cloudformation scripts under Git & Chef. The IT department run an agile Kanban continuous delivery environment supported on JIRA. I have also been tasked with the expansion of the locally hosted Rundeck Schedular to use a replicated MySQL database and rsync to provide a standby environment in the cloud.

**Sept 15 – June 16 – Ad-Hoc Consultancy**

Software: **CentOS 6 & 7, SUSE 12, RedHat 6 & 7, Solaris 10, Puppet, GIT, NexentaStor, DNS, Apache, Nagios, PHP, Amazon AWS, Terraform, SQL, KVM, OVM, VirtualBox**

Working on a number of freelance projects including SUSE Linux / VMWare environment setup for SAP/HANA data migration. This involves setting up VMs & OS ready to hand over to SAP Application Support and ongoing Knowledge Transfer to support staff prior to live migration.

Also completed 10 AWS Badges on Qwiklabs, reviewed Hyper Converged solutions and built public websites using products such as AWS (Terraform), Puppet, Docker, LAMP Stack & MongoDB. Previously funded myself on the PuppetLabs Foundation Course at Amazic and setup a cloud environment using VirtualBox, KVM and OVM virtualisation technologies on x86 hardware.

**July 14 – July 15 (12 mths) TNT**

Hardware: **HDS VSP USPV, AMS2x00, HUS,** Software: **VMWare, HDvM, HUR, HORCM, SAN, vCentre**

**Brocade, SL8500, NetApp, VTL, NetBackup 7+AIR, Solaris 10, RHEL 5, Lotus Notes**

**P9500, 3Par Nagios, RMAN**

Worked on the Systems Admin of physical and cloud environment running Windows and Linux OS servers under VMWare and the Storage & Backup of the plethora of storage (HP/HDS & NetApp) and Netbackup environments in the UK & overseas. This involved provisioning of storage, configuring backups, upgrading hardware, assisting 2nd line with restore requests, call-out, taking part in a simulated DR tests and logging calls with Symantec, Oracle, HDS & HP. Also involved in configuring the new VMWare cloud environment and Netbackup AIR replication for DR.

**January 11 – June 14 (3+yrs) Atos Origin**

Hardware: **HDS VSP USPV, AMS2x00, HUR,** Software: **VMWare, HDvM, TSM, HUR, TrueCopy, SRM,**

**Brocade, Storagetek 6180, NetApp HORCM , NetBackup 7, Solaris 10, RHEL 5, SAN, vCentre, Nagios, C**

At Atos Origin I was the primary lead in the setting up of SAN/ HDS Storage in two new data centres, connected via HUR replication;for acustomer migration of vCentre and Solaris environment from the customer site. This involved the commissioning and support of Brocade SAN switches, USPV storage and virtualising of an AMS2100.

I was also involved in the migration of storage from older HDS arrays by first virtualising the existing storage and then using TSM to migrate the data.As well as the storage aspect, I setup new NetBackup Media Servers and Tape Library in the existing environment and configuring them for the new backups which included vStorage backups for the VM environment.

In parallel to the above migration, I wrote and implemented the Storage & Backup Detailed Design for a large customer migration (150TB replicated to DR) which predominantly involved migrating to a twin site using vCentre, SRM & SAP environments linked between live and DR by a TrueCopy replication link. This also involved migrations from Oracle/SAP on Solaris to Linux OS using Trucopy replication from the original site to the new site and ShadowImage copies for test exports/imports of the databases, with HORCM & Hicommandcli scripts to control the DR testing of subsets of the environment. Also involved in setting up VMWare environment on the 64 ESX hosts in the environment.

One customer migration involved a suite of Solaris 10 servers (inc zones) being physically relocated to the Atos Data Center with additional DR capabilities. Another project involved providing storage on an M5000 for zfs use; followed by investigating what zfs configuration had been implemented.

The last significant project involved setting up storage, VMs and a new Netbackup v7 installation within a Government Secure Cloud environment supporting a number of clients accessable only on IL4 laptops from an Atos list-X site. The clould environment was split into dedicated access and secure zones for each client; this allowed each client to standup an environment for internal and external access with network security ensuring no inter-client access was permitted and external web based access had no means of straying into the internal database systems.

**January 08 – November 10 (>2 years)- Torry Harris Business Systems**

Hardware: **HP, Sun, Linux, Alpha, IBM** Software: **HPUX 11.31, Tru64 V5.1B, VMS, Solaris 9 & 10,**

**HP-EVA, Brocade, StorageTek, AIX 5, Linux, Connect Direct(Secure+), NetBackup,**

**HDS, EMC, Fujitsu, C7000 Perl, SANCopy, Apache, SAN, VeritasVolMgr**

During the 2 years at TorryHarris I worked on the Design & Delivery Team to migrate from old to new hardware and also to rationalise Data Centres in the UK. This has involved writing business cases, infrastructure designs and building new HP & Sun hardware, implementing standard builds and migrating services to the new hardware, followed up by handing over the new servers to the support teams. The main new hardware that has been implemented on the HP side was either Rx servers or C7000 chassis with BL860/870 blades and on the Sun side is T5220/5240 servers, both connected to EVA, StorageTek or NetApp storage arrays via Brocade 48000 SAN Directors. The T52xx servers were configured with LDOMs in an attempt to reduce the power footprint.

I was also been involved in the following activities:-

* Hands on evaluation of HDS USP-VM & AMS2500 in Test Lab, to frontend existing mixed storage arrays and migrate storage between arrays.
* Migration of Stratum 1 GPS system to new hardware for enhanced NTP throughout O2s Data Centers.
* Migration of Veritas disks between Fujitsu (Solaris) servers.
* Creation of a Tru64 DR Environment consisting of GS1280 and EVA Storage
* Migration of a Connect Direct Server to new hardware at remote site.
* Rollout of a CMDB Agent to over 500 servers as part of an attempt to create a single point of information for the O2 hardware.

**April 06 –December 07(20 months) - O2**

Hardware: **HP, Sun, Linux,Alpha, Brocade** Software: **HPUX 11.x Tru64 V5.1B, VMS, ,Solaris 9& 10,**

**EVA Storage Perl, RH Linux, NetBackup, Apache, SAN, C**

My role at O2 was split between the general support of the servers based in Leeds, Sheffield and Salisbury on a 24x 7 basis, including On-Call and a project to achieve Sarbane-Oxley Compliance on the major finance systems.

The servers supported were a mix of Tru64 clusters, HPUX, Linuxand Solaris servers running with HSG80 &EVA disk subsystems. Backups were viaNetbackup where there were a number of silos based at each of the main sites.

As part of the SOx auditing I wrote a suite of scripts that ran on 400+ servers (All flavours on unix& VMS) each night; feeding information back to a central server for processing and viewing via a web server. This information replaced the out-of-date snapshot audits that were being undertaken by staff and allowed new data to be automatically collected from all servers without the need to visit each server in turn.

I was also involved in the introduction of a Microsoft Sharepoint area for holding documentation and linking into dynamic views of the landscape from the above auditing scripts. This included documenting a large number of services, including detailed DR implementation guides.

**November 05 - April 06 (6mths) -WanadooUK**

Hardware: **Sun E280, V210, E4500, Fujitsu** Software: **Solaris (7, 8 & 9),Weblogic, Netbackup, Apache,**

**Clariion Storage Perl, VeritasVolMgr**

Supported 200+ Solaris based servers in the Live, QA and Test environments some of which were clustered. These servers ran a variety of applications including Weblogic/Apache/Jrun Applications. They support the Wanadoo Web Portal, Search Engines and Billing systems and weremonitored using the BigBrother application tools.

As well as the standard day to day unix sys admin duties, I was involved in the security hardening of the new servers, supporting and deploying Weblogic/Fault Management/WebSearch applications Apache configuration and maintenance of SSL certificates. The backup of the application disks were also our responsibility and this was performed using VeritasNetbackup,

Although the hardware was offsite and supported by a 3rd Party, we were responisble for the OS build (JumpStart) and patching of the servers, along with the hardware maintenance of the servers that were local.

The Centre for Internet Security Scanning tool (CISscan) is run on all servers to obtain a security rating report of positive and negative aspects of the server.

**July 03 – September 05 (2 yrs) - Barclays Bank**

Hardware: **Sun, IBM incpSeries** Software: **Solaris 8, AIX (4.3.3, 5.1 & 5.2), HACMP (4.5, 5.1)**

**Connect Direct (inc Secure+), T3 Storage Array**

Administering a production and test environment running on Sun hardware. The work involved the normal sys admin duties; plus the development of scripts for processing files via Connect Direct and through DataStage. The scripts were called via TWS scheduler and formed the core of the new application.

Prior to this I was supporting the test infrastructure and liasing with production support to implement changes.

Tasks included:-

* Building Oracle/Informix environments.
* Configuring AIX & HACMP.
* Installing and Configuring Connect Direct for file transfers to/from the Mainframe.
* Configuring Work Load Manager.
* Installing, Configuring and Supporting LDAP, DB2, iAS, Websphere (4 & 5), MQ Software.
* Writing Shell Scripts, Perl Scripts.
* Writing build guides and associated shell scripts to pass to production support via change control.

**June 03 – July 03**

I have used my spare time to gain certification in a number of IT disciplines.

* ITIL Foundation – Passed
* HPUX Sys Admin Certification – Passed (HP0-002)
* Solaris 9 Sys Admin – Passed Part I (Part II passed in Dec 2006)

**May 01 – January 03 (18 mths) - Unilever**

Hardware: **Compaq, IBM & HP Unix servers** Software: **Tru64 (4.0D,E,F & 5.1,5.1a), AIX, HPUX, VMS 7.2**

**VMS Servers, Compaq SAN Legato, Solaris, Remedy, Oracle (7 & 8),**

**SAP (R4.6C), MFG/Pro, Pro\*C, SQL**

Initially I worked on the Unix/VMS Support team supporting 600+ Compaq, IBM, HP & Solaris servers across Europe, most of which are running Oracle/SAP applications. This involves day-to-day systems admin tasks (NIS, DNS, Accounts setup, Legato Backups, ESM, LSM, AdvFS, printers) along with planning and implementing upgrades and reconfigurations of servers/disks etc. I also was involved in troubleshooting network related problems. Remedy is used for dealing with fault tickets which is the majority of the job. I also cover a small number of VMS systems that also come under the wing of the Unix support team

After 6 months I then moved to the Transition Team where I was responsible for producing technical proposals, building hardware and implementating production systems. This role allowed me to get involved with a wide range of technical areas such as SAP, Oracle, SAN design & implementation, MFG/Pro, Unix tasks (Setting up NIS, DNS, Accounts, Legato Backups, ESM, AdvFS, printers) & networks and also be involved directly with the customer to produce the detailed plans required to move mission critical systems, with minimum unplanned disruption. The systems being moved were normally those systems that control the running of factories from goods-in to goods-out, with any unplanned loss of service causing real-time problems to the running of the factory. This generally took the form of moving the applications and all the interfaces from the clients environment in Europe and implementing the same within the standard Unilever service models. Unilever policy was to always implement Compaq/Tru64 technology and so all new production installations were Tru64 clusters which I built and configure. The last transition project involved moving an Oracle Data Warehouse from an IBM SP Frame environment using NFS disks for file sharing; to a separate Tru64 environment with secure shell transfers between the systems. There were over 200 interfaces written in shell script, perl, PL/SQL and SQLLoader that all needed re-writing to fit in with the new environment.

### PREVIOUS ASSIGNMENTS

### VMS Systems Manager & Ingres DBA

The following assignments were predominatly VMS Systems Manager (VMS v6 & v7 on VAX & AXP hardware) plus INGRES DBA roles

Jan 00 - Mar 01 Yorkshire Water

Sep 99 - Dec 99 Keltec Progress Ltd

Feb 99 - Aug 99 IBM Global Services

Nov 95 - Feb 99 Cable & Wireless

### Ingres Development

The following assignments were predominatly INGRES development using INGRES 5 & 6.4, Windows 4GL, ABF/RBF, Report Writer, Embedded SQL (C & COBOL) and C Programming.

Sep 95 - Nov 95 ASDA Stores.

Jun 94 - Aug 95 BACG

Feb 94 - May 94 British Library.

Sep 93 - Jan 94 BACG.

Mar 92 - Sep 93 National Vulcan Insurance

Aug 91 - Mar 92 VSEL Ltd (Security Clearance)

July 89 - Jun 91 DSS - Training Agency

Feb 89 - Jun 89 TSB.

May 88 - Feb 89 RHP Bearings.

Jan 88 - Apr 88 Sherwood Computel.

Apr 87 - Nov 87 CAP (UK) Ltd

Apr 84 – Apr 87 BT Applied Technology

--- oOo ---