

Henrik Morsing

Unix System Administrator

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Personal Profile:

I am a Unix System Administrator with 20+ years of experience. I have extensive knowledge of AIX and Linux systems as well IBM hardware, IBM's technologies and virtualisation. I perform well under pressure on my own, in small teams or in large enterprise ITIL environments. I learn new procedures and technologies quickly, but can also develop new processes. I always work hard on root cause analysis to prevent recurring problems to achieve a stable and efficient environment for my clients. I have worked as a DevOps in several companies as well, having supported development teams and deployed software.

Summary of Technical Skills:

Operating Systems: AIX, Linux (RedHat/Ubuntu/Debian/Amazon Linux), Solaris, TRU64, HP-UX

Hardware: IBM pSeries, HP ProLiant, SUN Solaris (T2, T5), IBM HMC, EMC and 3par Storage

Applications: IBM P-Series technology (DLPAR, NIM, HMC, VIO), AWS, TSM (ESS), IWS/TWS, ITSC, WebMethods, WebSphere, Samba, Apache, Sendmail, Postfix In-house written automation / monitoring / testing tools and scripts

Backup: Spectrum Protect (TSM) backup and ESS Spectrum Scale GPFS cluster

Clusterware: Oracle RAC, Power HA, Veritas Cluster, Terracotta

Database: MySQL

Virtualisation: POWER LPAR, LPM Live Partition Mobility, AWS, KVM

Comms & Networking: TCP/IP, EtherChannel, DNS, NFS, VIOs, NPIV, VLANs, Virtual network & Fibre channel switches

Languages: Python, PHP, Korn / Bash Shell scripting

Key Skills and Strengths:

- Strong experience and highly certified in all areas of IBM pSeries and AIX
- Strong Linux experience
- TSM Spectrum Protect backup experience
- Installing, upgrading and supporting large system estates that run 24/7 critical applications
- Writing and reviewing Disaster Recovery plans, implementing DR tests and implementing DR
- Troubleshooting problems or incidents to identify and fix issues at root cause
- Analysing, developing, implementing and reviewing changes within the IT change process

- Creating and improving documentation in line with company standards
- Writing new and improving existing in-house scripts and applications
- Learning new technologies to help improve levels of service efficiency (e.g. AWS certification)
- Ensuring that BAU Incident resolution is within the defined Service Level KPI targets and all services are running smoothly

Employment History:

12.2021 – Present **Viskefi, Milton Keynes**

Job Title: **Linux Systems Administrator**

Joined Viskefi as a start-up company entering completely empty offices, tasked with installing networking, SAN, servers and all infrastructure.

Infrastructure Team:

- Planning and designing all infrastructure from scratch

06.2012 – 11.2021 **SSE Plc - Scottish and Southern Energy, Havant**

01.2012 – 04.2012

Job Title: **Senior Unix System Administrator**

I successfully oversaw many aspects of SSE's Midrange Team, while I filled various positions within the BAU, Project and Maintenance Teams.

I am currently working on two projects, the ESS Spectrum Scale project to replace TSM tape libraries with a high-performance GPFS disk cluster and a project to replace four POWER7 frames with four new POWER9 frames. The latter involves frames, HMCs and VIOs setup from scratch, the LPM 900 LPARs across.

BAU Team:

- Taking a lead role in a small team providing BAU support and on-call to over 1500 Unix servers
- Completing configuration of 350 project servers to productionise them
- Analysing and resolving incident and problem tickets including root cause analysis for long term fixes and improvements
- Managing and troubleshooting Veritas and RAC Clusterware clusters
- Managing TSM Spectrum Protect backups, nodes and servers
- Using TWS/IWS to monitor and trouble shoot job schedules

- Writing script amendments and fixes for monitoring
- Writing Python GUI to visualise and manage alerts in monitoring systems
- Supporting MySQL database and PHP scripts for monitoring systems
- Providing continued assistance to the ESS storage project

Project Team:

- Setting up four new POWER9 frames and HMCs, building VIOS 3.1 from scratch and LPM migrating 900 LPARs across from old POWER7 frames
- Firmware updating POWER servers and adapters
- Decommissioning old systems and hardware
- Setting up new NIM and MKSYSB servers
- Security patching of 1000 LPARs across the estate
- Taking a lead role of an IBM ESS migration project to replace TSM tape libraries with ESS high performance GPFS disk system
- Adapting and testing use of REAR (RedHat Backup Recovery) on IBM POWER
- Configuring IBM ESS software and RedHat on POWER
- Building first SSE RedHat Linux on POWER LPAR for testing
- Setting up virtual tape pools on existing TSM servers and migrating clients
- Troubleshooting and supporting ESS storage systems
- Writing monitoring scripts for ESS storage nodes
- Working with Veritas clusters decommissioning disks and resources
- Security patching 1500 servers across the estate

Maintenance Team:

- Maintaining OS and firmware levels on 1500 AIX LPARs across 18 pSeries frames
- Maintaining OS and firmware levels on 100 Linux servers on HP ProLiant hardware or VMware
- Planning and arranging upgrades and out-of-hours failovers with application teams and business users to ensure all servers were on supported levels
- Configuring LPM Live Partition Mobility for hardware migration project
- Maintaining and updating Python monitoring GUI after release

06.2012 – 06.2013

SGN – Scotia Gas Network – AIX Project Team

Job Title: **AIX Specialist**

- WebMethods migration project, version 6.5 to 8.2
- Installing, patching and configuring WebMethods 8.2
- Installing and configuring Terracotta cluster for WebMethods and working with networking team to set-up load balancer
- Support for WebMethods developers and testers, troubleshooting and configuring WebMethods

- Building LPARs to SSEs specifications on POWER7 hardware using dual VIOs, NPIV, logical VLANs and virtual switches
- Using NIM to build AIX 6.1 LPARs following strict SSE build procedures
- Setting up mksysb and TSM backups of LPARs controlled by TWS
- Working with DBAs to deliver LPARs to support Oracle databases
- Configuring fail-over systems for DR recovery
- Assisting BORIS migration project by building LPARs and configuring for Oracle use

Other positions in order:

- 10.2011 -10.2011 **IBM** - Hursley - Job title: **AIX Specialist**
- 02.2011 - 06.2011 **Lloyds TSB** - London - Job title: **AIX Consultant**
- 03.2010 - 12.2010 **GlaxoSmithKline** - Stevenage - Job title: **AIX System Administrator**
- 03.2009 - 12.2009 **Virgin Media** - Basingstoke - Job title: **Unix System Administrator**
- 09.2008 - 11.2008 **McKesson** - Warwick - Job title: **AIX System Engineer**
- 12.2007 - 05.2008 **Pipex Homecall** - Manchester - Job title: **AIX Consultant**
- 05.2007 - 10.2007 **Visa Europe** - Basingstoke - Job title: **Unix System Administrator**
- 04.2006 - 04.2007 **Attenda** - Staines - Job title: **Unix Support Specialist**
- 10.2003 - 03.2006 **Camelot Interactive** - Watford - Job title: **Unix DevOps**
- 11.2002 - 10.2003 **Safeway Plc.** - Hayes - Job title: **Unix System Administrator**
- 08.2001 - 06.2002 **PBS Data A/S** - Copenhagen - Job title: **Unix System Administrator**
- 02.1999 - 07.2001 **International Data Post** - Copenhagen - Job title: **Unix DevOps**

Certification:

- 1999 Certified - AIX 4.3 System Administration
- 2003 Certified - p690 LPAR Technical Support
- 2006 Certified Specialist – eServer p5 and pSeries Administration and Support for AIX 5L V5.3
- 2007 Certified Specialist – eServer p5 and pSeries Enterprise technical Support AIX 5L V5.3
- 2007 Certified Specialist – eServer p5 Virtualization Technical Support AIX 5L V5.3 IBM
- 2007 Certified System Expert – eServer p5 & pSeries Enterprise Technical Support AIX 5L V5.3

- 2007 Certified System Expert – eServer p5 Virtualization Technical Support AIX 5L V5.3
- 2007 Certified System Expert – eServer p5 HACMP for AIX 5L
- 2007 IBM Certified Advanced Technical Expert – IBM System p5
- 2019 AWS Cloud Practitioner
- 2019 AWS Solution Architect

Technical Training:

- 1999 IBM AU16, Advanced AIX System Management and Problem Determination
- 2000 Azlan, Cisco ICND (Interconnecting Cisco Network Devices)
- 2000 eHuset, Solaris System Administration I
- 2001 IBM AU91, SP System Administration I
- 2002 IBM CF21U,DB2 UDB Administration Workshop for Unix
- 2002 IBM AU54GB, HACMP System Administration I: Planning and Implementing
- 2003 IBM WF38GB, WebSphere Application Server V4 (Advanced Edition)- Administration
- 2003 IBM AU70GB, pSeries Logical Partitioning (LPAR) for AIX
- 2004 InTechnology, TSM implementation and configuration
- 2005 IBM AU54GB, HACMP system Administration I: Planning and Implementation