

VLADISLAV STAROSELSKIY

PRINCIPAL/ENTERPRISE SYSTEMS ADMINISTRATOR

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SUMMARY

Cross-platform IT experience since 1992 in systems/network design, architecture, installation, implementation, integration, administration and security with a strong programming background; MS degree in Computer Science, Sun Solaris 8 Certified Systems Administrator (SCSA), Microsoft Certified Systems Engineer (MCSE).

SKILLS

OPERATING SYSTEMS:

Linux: Oracle Linux, RedHat, CentOS, Fedora, Debian, Ubuntu, Mandrake, Slackware, OpenSUSE;
Unix: Sun Solaris, SGI IRIX, FreeBSD;
MS Windows: 2008, 2003, 2000, NT; 10, 8, 7, Vista, XP, 98, 95, 3.x;
Novell Netware; IBM OS/2 Warp; MSDOS; Mac OS X;

INTERNET/INTRANET SERVICES:

HTTP/HTTPS WWW, FTP, DNS, NIS/NIS+, WINS, DHCP/BOOTP, SMTP, POP3, IMAP, PXE/TFTP, NNTP, NFS, SMB (Samba), SNMP, SSH/SFTP/SCP, Telnet, Proxy, VoIP, etc.;

DATABASES:

Oracle RAC/Grid, Exadata, BDA (Hadoop/HBase), MySQL, MSSQL, Scalable SQL, Btrieve;

BACKUP SYSTEMS:

RMAN/OSB, Symantec Backup Exec, Arkeia, Arcserve, Bacula, Veritas Netbackup;

PROGRAMMING LANGUAGES:

PHP, Perl, Shell scripting, HTML/JavaScript, C, REXX, Clipper, Assembler x86/z80;

NETWORKS:

WAN: Internet, Global One, ATM, Frame Relay, Tekos;
LAN: 10G/1G/100M/10M Ethernet and Fiber Optic, Token Ring;

NETWORK PROTOCOLS:

TCP/IP, NetBEUI, IPX/SPX, X.25, Frame Relay;
Voice: VoIP, VoFR, SIP; *Routing:* RIP, OSPF; *VPN:* PPTP, L2TP, IPsec, SSL VPN;

HARDWARE:

Firewalls: Cisco PIX/ASA, Juniper SSG, Fortinet, Palo Alto;
Switches: Cisco Catalyst, Juniper J-series, Arista, Dell Powerconnect, HP Lanplex, 3COM SuperStack;
Servers: Sun X3/X4/Enterprise/Ultra, HP NetServer, IBM xSeries, Dell PowerEdge, Supermicro,
Storage: Oracle ZFS, Net Appliance Filer, SUN StorEdge, Electronix Arena, Dell EqualLogic;
Clusters: IBM System 1350, Oracle BDA, Oracle Exadata;

SOFTWARE:

Monitoring/management: Enterprise Manager, Nagios, Cacti, RRDTOOL, MRTG, HP OpenView, Micromuse Netcool, 3COM Transcend Enterprise Manager, Juniper NSM Express, Ciscoworks, tcpdump, nmap;
Remote access/control: SSH, RDP, VNC, Citrix, DRAC, IPMI, LOM;
Virtualization technologies: KVM/Libvirt, XEN, OVM, VMware;
Mail systems: Sendmail, Postfix, Courier/Cyrus IMAP, MS Exchange, Novell GroupWise, NTMail;
Internet/Intranet: Apache, Weblogic, Bind, Squid, Samba, IPTables, IPFW, TACACS+, Radius;
System apps: MS Small Business Server, Solaris JumpStart, PXE/Kickstart;
Office apps: MS Office, MS Visio, OpenOffice, Adobe Acrobat, Adobe Photoshop, Google Apps;
Research apps: MedX/DICOM, Matlab/SPM2, FSL, AFNI, Paravision, XWinNMR, LCMODEL, IDL, Superlab, Presentation, E-Prime.

EXPERIENCE

December 2014 – present

ORACLE, CORP. – Reston, VA

Principal Cloud Administrator, OCI

December 2012 – December 2014

ORACLE, CORP. – Reston, VA

Principal Cloud Administrator, UGBU

December 2011 – December 2012

DATARAKER, INC. – Reston, VA

Sr. Systems Administrator

- DataRaker was acquired by Oracle in December 2012, our group joined the Utilities Global Business Unit (UGBU), later I moved to Oracle Cloud for Industry (OCI) group with the same set of responsibilities;
- Responsible for designing, installation, administration and support of Unix/Linux servers and network equipment in the US datacenters and abroad;
- Installed, configured and administered:
 - 100+ physical Linux servers under CentOS/Oracle Linux on Sun, Dell and Supermicro hardware;
 - 150+ VMs under Linux KVM (qemu/libvirt) and Oracle VM virtualization software;
 - 40+ MySQL database servers of 1-5Tb size with DRBD replication;
 - 15+ Oracle 11g/12c database servers;
 - 5 Cloudera Hadoop/HBase clusters with a total capacity of ~1 Petabyte;
 - Cisco, Dell and Arista network switches with 10G interfaces using port-channel (bond) and mlag;
 - Fortinet, Juniper, Cisco and Palo Alto firewalls;
 - Various supplemental services (sendmail, bind, apache, snmp, ntp, ssh, tftp, etc.)
- Created OS installation environment using PXE/Kickstart and Puppet automation software;
- Developed backup strategy, programmed scripts for it;
- Monitored network and servers using Nagios and Cacti, developed custom plugins for Nagios;
- Programmed *scripts* for systems administration needs using Perl, PHP and Bash shell;
- Troubleshoot hardware and software, supported users;
- Migrated legacy datacenters to Oracle facilities (in progress)

January 2009 – December 2011

PAXFIRE, INC. – Sterling, VA

Sr. Unix Administrator

- Responsible for designing, installation, administration and support of Unix/Linux servers in a mixed OS environment;
- Managed server and network equipment within 3 datacenters across the US
- Installed, configured and administered:
 - 50+ in-house and 100+ remote Linux and Windows *servers*, 400+ CentOS-based *appliances*;
 - Juniper J-series (JunOS-based) routers and SSG (ScreenOS-based) *firewalls*;
 - Cisco Catalyst 29xx and 37xx *switches*;
 - Juniper NSM Express and VPN SA-2000 appliances;
 - Dell Equallogic iSCSI RAID.
- Installed VMware vSphere Hypervisor (ESXi), configured and administered virtual servers (guests);
- Installed and configured Bind (named), sendmail *services*, PXE network installation;
- Monitored network and servers using Nagios, developed custom plugins for it;
- Developed Asset database using *PHP language* and *MySQL database*, utilized SSL protocol for authorization and access;
- Programmed *scripts* using Perl, PHP and Bash shell;
- Troubleshoot hardware and software, supported users.

September 2002 – December 2008

GEORGETOWN UNIVERSITY – Washington, DC

Systems Administrator

- Performed *systems administration* for CSL (Center for the Study of Learning, Pediatrics Dept.), CFMI (Center for the Functional and Molecular Imaging, Neurology Dept.), Small Animals Imaging Laboratory (Neuroscience Dept.) and GRVP (Psychology Dept.);
- Installed and administered *servers* under RedHat Enterprise Linux, CentOS, Fedora Core, SGI IRIX and *user computers* under Windows and Mac OS X;

- Installed and administered diskless 19-nodes LM/MPI cluster with dedicated management node (TFTP/PXE/NFS), based on IBM System Cluster 1350 configuration;
- Checked systems security, installed security patches and bugfixes, disabled secure-weak services (telnet/ftp/etc.), implemented secure remote access (SSH/X-Windows based, VNC and Hummingbird Exceed);
- Planned, prepared, configured and administered firewalls Cisco PIX 515E and 525E with VLAN/NAT;
- Supported Electronix Arena II and SIVY8630 SATA RAID5 systems (17Tb of the total capacity), IBM 3581/3582/3583/TS3310 LTO tape libraries with Arkeia backup software;
- Monitored network using MIDAS, Nagios, Cacti/RRDTool and MRTG monitoring tools (SNMP protocol);
- Developed csl.georgetown.edu and cfmi.georgetown.edu websites, designed and implemented “Behavioral and MRI testing”, “Scoring” and “GRVP subjects” databases using PHP language and MySQL database, utilized SSL protocol for authorization and access;
- Supported mail servers (Sendmail) and websites (Apache) with PHP/SSI;
- Installed and configured XEN hypervisor for running various versions of Linux, needed for research applications;
- Installed, patched and configured MedX/DICOM, Matlab/SPM2/SPM5, FSL, AFNI, Paravision, XWinNMR, LCModel spectroscopy and image analysis application software;
- Programmed E-Prime and Presentation experiments;
- Performed “Systems and Network Security” presentation for Neuroscience Dept.;
- Troubleshoot hardware and software, supported users.

June 2002 – August 2002

TELVERSE COMMUNICATIONS – Sterling, VA

Systems Administrator

- Installed and administered Sun Solaris, RedHat Linux and Windows servers; maintained WWW (Apache/Weblogic), FTP (wuftpd/vsftpd), DNS (Bind), Mail (Sendmail), SSH (OpenSSH) services; implemented user LDAP authentication; monitored service using Micromouse Netcool and HP Openview utilizing SNMP traps and MIB databases; implemented Veritas Netbackup solution, maintained Net Appliance Filer storage (Sun StorEdge A1000); administered Sylanro VOIP/SIP services; supported MySQL-based TimesTen database, LDAP and MSSQL databases for application-level systems; programmed scripts using Perl and shell script.

October 2001 – May 2002

RIDHIMA TECHNOLOGIES INC. – Okemos, MI

Client: WAYNE STATE UNIVERSITY, Brain Imaging Research Division – Detroit, MI

Systems/Network Administrator

- Installed and administered Sun Solaris/SunOS, SGI IRIX, RedHat and Mandrake Linux servers; implemented NAT firewalls and IPSec tunnels; configured NIS/DNS, DHCP, WWW, FTP, RAS, SMTP/IMAP, SSH services; performed network performance optimization; introduced security policies; applied security patches, implemented backup solution; installed Oracle database; developed division website; supported Windows and Mac OS workstations; installed and configured neuroimaging audio-visual stimulation, real-time data acquisition, magnetic resonance imaging and spectroscopy applications software; programmed data handling converters in C, Perl and Shell script languages.

December 2000 – September 2001

UNIVERSAL TECHNOLOGIES AND SERVICES INC. – Troy, MI

Systems Administrator

- Installed and administered a Sun Solaris, RedHat, Debian and Windows NT servers; administered firewall (with NAT/Proxy); configured and supported Sendmail, POP3, IMAP, INN, NFS, NIS/NIS+, NTP, DHCP, FTP, HTTP and Telnet/SSH services; monitored and analyzed network traffic; installed patches and updates; implemented system automation on Perl and shell scripts for routine administrative and reporting tasks; diagnosed and remedied various hardware, software, and network problems.

March 1998 – December 2000

PSKOV SAVINGS BANK OF THE RUSSIAN FEDERATION

Leading Systems/Network Engineer - Projects Manager

- Led the team of 4 network engineers and 15 regional support engineers; planned, designed and implemented LAN/WAN projects; installed and administered Solaris, FreeBSD, Windows NT/2000 and

Novell Netware servers; administered Oracle, MSSQL, Scalable SQL and MySQL databases; installed and supported services (WWW, FTP, DNS, WINS, Mail, News, DHCP); installed and configured network equipment (Cisco/HP/3COM firewalls, routers, switches, modems) with separate VLANs and IPSec VPN; administered and monitored LAN and WAN; implemented VoIP/VoFR; configured VMWare; assessed network security; solved Y2K problem, implemented user security policies; programmed scripts on C, Perl, Shell; supported users.

May 1996 - February 1998

PSKOV BRANCH OF SAINT-PETERSBURG J-ST. COMMERCIAL "EXIBANK"

Systems Engineer of Computing Department

- Installed and administered Windows NT, Novell Netware, IBM OS/2 servers; administered and monitored Ethernet LAN (IPX/SPX, TCP/IP, NetBEUI) and WAN (Internet, Global One); configured Cisco, 3COM, USR and Zyxel network equipment; installed and supported various Internet/Intranet services (WWW/FTP/Mail); implemented backup; analyzed network traffic; programmed using MSVC++, Clipper 5.2 and REXX languages; developed internal WWW server; troubleshoot hardware and software, supported users.

November 1993 - May 1996

PSKOV REGIONAL COMMERCIAL BANK

Systems/Network Administrator (Specialist of 1st category)

- Administered coax-based LAN, installed and administered Windows NT, Novell Netware, IBM OS/2 and Slackware Linux servers; implemented tape backup solution; programmed using C++, Clipper, and Assembler languages; troubleshoot hardware and software, supported users.

May 1992 - March 1993

PSKOV MACHINE-BUILDING PLANT

Computer Operator

- Administered X.25-based network "Tekos"; installed and configured modems; troubleshoot hardware and software.

ADDITIONAL PROJECTS AND CONSULTING

January 2009 – May 2014

GEORGETOWN UNIVERSITY - Washington, DC

- As a Sr. IT Consultant, had continued performing systems administration tasks for Center for the Study of Learning, Pediatrics Dept. after leaving the fulltime position.

December 2007 – July 2008

U.S. RUSSIAN BUSINESS CONSULTING - Washington, DC

Website: <http://www.usrbc.org/>

- Performed consulting services - analyzed, then successfully reported/fixed problems in Windows 2003 environment, with MS Exchange 2003 server, and migrated PHP-based website.

March 2006 - present

RUSSIANDC INC.

Website: <http://www.russiandc.com/>

- Performed systems administration, technical support and PHP development for the website.

February 2006 – present

VSTARPHOTOALBUM / VSTARBLOGENGINE

Website: <http://freecode.com/users/VladStar>

- Designed and developed a photo album, which generates thumbnails "on-the-fly", on PHP;
- Designed and developed a lightweight multi-user/single-blog engine, on PHP.

September 2002 – June 2004

NETBAIT, INC.

Website: <http://www.netbaitinc.com/>

- Developed a Linux-based NetBait product, that allows catching and analyzing hacker's activity; designed and built client-server architecture with back-end MySQL database using Perl programming language; performed Q&A testing; installed and administered LAN and WAN infrastructures for the project.

September 2001

UNIVERSAL TECHNOLOGIES AND SERVICES INC. – Troy, MI

Client: *STRUCTURED INFORMATION – Birmingham, MI*

- Installed and configured Windows 2000 server with MS Small Business Server (Exchange, SQL, IIS, ISA, RRAS, etc.); installed DHCP, DNS, WINS, WWW, mail, firewall network services; created and tested PPTP/L2TP VPN; implemented backup; migrated users and BDC from Windows NT domain to Active Directory; installed system patches and updates; re-configured user computers.

EDUCATION

September 1990 - July 1997

SAINT-PETERSBURG STATE TECHNICAL UNIVERSITY

- MS degree in Computer Science
- Qualification: Systems Engineer
- Specialization: computers, complexes, systems and networks

TRAINING/CERTIFICATION

ORACLE/SUN:

- Exadata Administration
- Oracle 12c Administration
- Oracle 12c Backup and Recovery
- Oracle 11g RAC & Grid Infrastructure Administration
- Oracle VM Administration
- Sun Solaris 8 Certified Systems Administrator

MICROSOFT:

- Microsoft Certified Systems Engineer (MCSE)

BRAINBENCH, INC.

Public transcript #3845 at <http://www.brainbench.com/>

- Master Unix Administration
- Master Linux Administration
- Master TCP/IP Administration
- Master Networking Concepts
- Master Internet Concepts
- Master Internet Technology Fundamentals
- Master Computer Technical Support
- Master Programmer/Analyst Aptitude
- Master PHP 4
- Master HTML 4.0
- LAN/WAN Communications
- Internet Security
- MySQL Administration
- Bash Shell Scripting

OTHER

- Can work both as a team player and with no supervision;
- Strong analytical and problem-solving skills;
- Excellent written and verbal communication skills.

REFERENCES

Available upon request.