

Darryl E. Blonski

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6 Heron Court
Manalapan, N.J., 07726-9014

Linux Administrator / Cybersecurity / Network Engineer

An efficient and effective technical professional with eighteen years of experience as a Linux Administrator, thirteen years of experience as a Network Engineer and seven years' experience in Cybersecurity. Has extensive experience configuring and integrating software and hardware from multiple vendors, experience with a wide range of operating systems and server.

Proficiencies:

System

Administration:

- Redhat Enterprise Linux / CentOS 6 & 7 and Ubuntu 16LTS and 17 installation and configuration to DISA / DoD security standards and industry best practices.
- Configuration automation using Puppet CE/PE and Ansible.
- Server virtualization using VMware ESXi with and without vSphere , KVM, Qemu, Oracle VirtualBox and Xen.
- Administering para-virtualized Docker software containers.
- Cloud server administration using Amazon EC2 and Google Cloud platform.
- Installation, configuration and administration of Oracle Database, MySQL / MariaDB, PostgreSQL and MongoDB.
- Installation, configuration and administration of JBoss EAP / Wildfly Java application servers.
- Installation, configuration and administration of numerous other services (e.g., Postfix, Squid, Nginx, Samba, Bind, etc.).
- Server and service monitoring using Zabbix, Nagios, and Cacti.

System

Administration:

- Operating Systems: RedHat Enterprise Linux, CentOS, Fedora, SUSE Linux, Slackware Linux, Ubuntu, SELinux, BSDI, Sun Solaris, Windows XP / 2003 / Vista / 2008 / 2008r2 / 2012r2 / 7 - 10
- Configuration Automation using Puppet CE and PE, and Ansible.
- Administration and troubleshooting of AWS EC2 and OpenStack virtual machine instances
- FusionIO ION Accelerator and Netapp OnTap configuration and administration
- Configuring Apache httpd, Hadoop, Accumulo, WINS, DHCP, DNS (Bind and Microsoft DNS), SMTP (Sendmail, Exim and Postfix), POP3/IMAP (QPopper/Dovecot), MySQL, Puppet, Samba, Squid Proxy, Nginx and various other daemons
- Advanced Linux / Windows security configuration using DISA STIGs and industry best practices
- Server virtualization using VMware vSphere 4 & 5, 5.5, KVM, Qemu, Oracle VirtualBox and Xen
- Network monitoring using Zabbix, Nagios, and Cacti
- Experienced with "Data-at-Rest" encryption
- Windows administration and troubleshooting

Networking:

- Networking (TCP/IP, Ethernet, DSL, Frame Relay, VLAN, CDP, STP, RIPv1&2, IGRP, EIGRP, OSPF, IS- IS, BGPv4, EBGp, et cetera) and network wiring
- Cisco router, Catalyst and Nexus switch (layer 2 and 3) secure configuration and troubleshooting
- Brocade BigIron / FastIron, Dell Force10 / PowerConnect, Mellanox, 3Com, and SMC switch configuration and troubleshooting
- Firewall configuration and troubleshooting including Cisco ASA / PIX, IPTables, and SonicWall
- Wi-Fi configuration and security
- Print server configuration and troubleshooting of network printing problems
- Layer 2, 3 encryption and encrypted VPN technologies

Programming:

- Languages: C, C++, Python, PHP, SQL, HTML, Bash
- Configuration management and version control using Git and Mercurial.
- Object Oriented Analysis and Design / Object Oriented Programming
- Web page development using HTML5
- Server-side scripting using Bash, Perl, PHP, and Python
- SQL and relational database design

Software:

Ansible, Puppet, Jenkins, Git, Mercurial, Maven, Apache Ant, Apache httpd, Hadoop, Zookeeper, Accumulo, KVM, VMware ESXi / vCenter, Glusterfs, Oracle VirtualBox, OpenVPN, Bind, Sendmail, Postfix, Dovecot, Exim, Qpopper, Samba, Squid, Nginx, Apache Tomcat, JBoss Application Server 7, MySQL, PostgreSQL, Oracle 11 and 12, Microsoft SQL Server, WSUS, CastleRock SNMPc, Splunk, Numara Network Monitor, Solar Winds, Zabbix, Nagios, MS Exchange Server, Veritas BackupExec, CA ArcServe, CommVault Galaxy, Veritas NetBackup, eEye Retina, Harris Stat Guardian, ISS, Nessus, Cisco ASDM, Wireshark, AirMagnet, Pointsec, VeraCrypt

Work Experience:

CyOne, Inc.

Senior Systems Engineer, *April 2016 – Present*

- Manage software maintenance and development activities for DSS (DCGS Single Source), including the coordinating the activities of developers as well as fulfilling reporting requirements of prime contractor.
- Work with government POC to evaluate and prioritize bugs, and coordinate bug fixes with developers.

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- Generated, updated and modified all system documentation, including, but not limited to, Users' Guides, Software Test Plans / Descriptions (STP/STD), Maintenance Guides, Software Version Description (SVD), Software Design Description (SDD), and diagrams and drawings.
- Authored automated deployment scripts for Puppet 4 and oversaw software deployment.
- Provide DevOps support for DCGS-A Single Source.
- Released first operational version of Single Source for DCGS-A.

Senior Cybersecurity Architect, *December 2015 – April 2016*

- Analyzed and assessed the cybersecurity posture of a prototype US Army database system designed to replace the database engine behind DCGS-A.
- Designed and authored Puppet modules for Puppetmaster 3.8 and 4.3 to assure the secure configuration of component machines running Redhat Enterprise Linux, as well as automate the installation and configuration of component software (e.g., MongoDB Enterprise, Elasticsearch, Jetty, et cetera).
- Generated and provided artifacts to facilitate system accreditation utilizing DOD RMF.

Vistronix, Inc.

Senior Systems Engineer, *June 2012 – December 2015*

- Designed and build custom controller node for FusionIO all flash storage array based on Redhat Enterprise Linux 7 and created customized installation media.
- Performing integration and design on US Army DCGS-A IPC-2 IaaS private cloud based on Redhat Enterprise Linux.
- Designed and implemented network configuration of IPC-2 cloud computing cluster, and provided CONUS on-site and remote support.
- Performed integration on US Army DCGS Edgenode system, a miniature version of the DCGS Standard Cloud system, utilizing a wide variety of technologies, including Hadoop, Accumulo, Ganglia, Condor, Puppet, Fedora Cobbler, JBoss, MySQL and Nagios, running on Redhat Enterprise Linux 5.
- Designed and implemented numerous custom Puppet modules and a scalable, highly efficient Puppet node classifier to facilitate the provisioning of network servers with Puppet open source.
- Designed and implemented several programs written in Python, including 'Gather', to query information from remote servers and generate documentation and 'cexec', a utility for remotely running commands on sets of remote servers, and SwitchConfig which automatically configures and updates network devices.
- Designed and implemented numerous Bash shell scripts to facilitate the administration of Redhat Enterprise Linux 5 & 6.
- Researched and built prototype HA IAAS solution utilizing OpenNebula, KVM, and VMware ESXi / vCenter and distributed file systems (GFS2 / Glusterfs).
- Built and administered provisioning servers using Fedora Cobbler and Puppet Open-source, a Zabbix network monitoring server as well as associated MySQL servers, and numerous web servers running JBoss and Apache Tomcat.
- Configured boot server and operating system image to PXE boot and run disk-less workstations from a single NFS mounted root file system.
- Designed and implemented a service to download and activate unique configurations on disk-less workstations.
- Researched, authored, edited and proof read instructional documentation and training material.
- Authored .spec files and built numerous custom RPMs.

QED Systems, LLC.

Systems Engineer / IA Architect, *February 2008 – May 2012*

- Act as Information Assurance Security Officer for two I2WD laboratories.
- Designed the security configuration of globally fielded Linux systems.
- Transformed I2WD's Redhat Enterprise Linux infrastructure from being un-accreditable to being some of the cleanest DIACAP accredited Linux systems in use by the Army.
- Acted as Lead Network Administrator for US Army I2WD IESIL (Software Integration Laboratory).
- Worked toward implementing entire IT Infrastructure at QED Systems, LLC. in Aberdeen, Maryland, including Windows 2003 Domain Controllers, NAS, web servers and web portal, AD Integrated Linux based OpenVPN server, Oracle VirtualBox Server and cloud computing and development environments.
- Participated in designing and implemented the network infrastructure at the US Army I2WD IESIL at Aberdeen Proving Ground, Maryland, comprising Cisco Nexus 5020 Series Switches, Cisco Nexus 2048 Fabric Extenders, Cisco Catalyst 2950's, 3550's, 3650's, 3750's, 6506's, and Dell PowerConnect switches.
- Designed, develop and maintain the Linux Security Template Applicator (LiSTA), I2WD's product to automate the application of DISA STIGs and updating of Redhat Enterprise Linux 4, 5 and 6 and installed software.
- Designed and developed numerous tools to simplify the management of CentOS Linux cluster compute nodes.
- Back-ported numerous applications to Redhat Enterprise Linux 4 & 5.

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- Built, released and maintain numerous custom RPM packages.
- Authored numerous globally distributed technical bulletins regarding system configuration and security.
- Designed and developed a Linux based management and maintenance infrastructure for stand-alone development networks using Xen, WSUS, Apache, yum and an in-depth knowledge of Linux's advanced networking features to seamlessly integrate it into the existing heterogeneous network architecture.
- Designed and implemented the Linux security configuration for FCS Network Analysis and Integration Laboratory (NAIL) CentOS servers, workstations and MPI computing cluster from ACT.
- Re-engineered and optimized I2WD's Software Integration Lab's (SIL) classified and unclassified networks, replacing copper trunks with multi-mode fiber optics.
- Designed and implemented a network auditing and access control solution for I2WD's software integration labs.

Ultra Media Video Labs, LLC. / Ultra Media Publications

Director of Information Technology, *April 2005 – Jan. 2013*

- Act as the chief technical adviser to the President.
- Designed and implemented entire IT infrastructure including switches, routers, Linux based VPN concentrator, NAS, CentOS servers and Windows XP workstations.
- Responsible for the installation, configuration, maintenance and troubleshooting of all WAN links, VPN concentrators, VoIP and telephony systems, servers and workstations.
- Responsible for all in-house development efforts.
- Pioneered proprietary tools and methods used to recover data from damaged or otherwise unreadable media.

US Army CECOM Software Engineering Center (SEC)

Computer Scientist, *May 2007 - February 2008*

- Acted as Information Assurance Network Manager (IANM) for FCS NAIL.
- Acted as the government point-of-contact for all laboratory activity.
- Provide technical guidance to facilitate secure network implementation.
- Perform network analysis to verify and document IAVA compliance.

Computer Scientist, *September 2001 – May 2007*

- Configured and troubleshot Layer 2 and Layer 3 Cisco devices on the 2000+ user network infrastructure.
- Configured, installed and maintained Cisco PIX firewalls and VPN concentrator.
- Designed and implemented organization's encrypted wireless infrastructure.
- Implemented SEC's Linux based Wireless Intrusion Detection System (IDS).
- Installed, configured and maintained layer 2 encryption devices.
- Achieved and maintained a high level of security on the entire network infrastructure.
- Designed and implemented SEC's secure isolated printer network.
- Designed and implemented scripts and programs in Perl and C++ to automate administration tasks.
- Built and secured new Linux and Windows servers on the network.
- Maintained and upgraded Windows 2000 and 2003 servers on an active directory domain in production and development environments.

Education:

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| Monmouth University
<i>(Sept. 2002 – May 2005)</i> | Earned a Master's of Science in Software Engineering. |
| Stevens Institute of Technology
<i>(May 2002 – Sept. 2002)</i> | Took several graduate level courses on Encryption and Information Security. |
| Montclair State University
<i>(Sept. 1995 – Dec. 2000)</i> | Earned a Bachelor's of Science in Computer Science. |
| Sysoft, Inc.
<i>(Oct. 1999)</i> | Completed 1000 Level Web Design and 3000 Level Web Development Courses. |

Security Clearance: Top Secret, SCI (Active)