

Marshal Langlois II, CISSP

Network Architect
mvl@albany.edu

Network Architect and SUNYA adjunct with over twenty years of experience in various government agencies including financial, health and public safety. Combining industry knowledge with secure architecture (focused on compliance), implementation, and support for a wide variety of network disciplines.

Certifications



10/2016 – present

Skills and Expertise

Palo Alto, Arista switching, Cloudvision, VMware, NSX, Checkpoint firewalls, Sniffer Infinistream, SNMP, Juniper IVE (SSLVPN), Arista networking platforms, Cisco Routers/Switches/Firewalls/Load Balancers, Netscreen Firewall/VPN's, Nortel VPN/Switches, Extreme Switches, DNS, SMTP, IMAP/POP3, Ciscoworks, Scrutinizer, IIS, Sniffer, Ethereal (Wireshark), Windows XP, Windows NT 4.0/2000, Windows NT Server 4.0/2000/2003, Active Directory, UNIX, LINUX, BASIC, COBOL, KIX scripting, SQL. Microsoft Windows 95/98, Windows for Workgroups, NetWare

Professional Experience

New York State Chief Technology Office (now ESSE - ITS) | Albany, New York
Manager Network Architecture

- 2015 Data Center Engineering Team award winner
- 2014 GTC award winner for contributions on high profile, priority projects
- Supervision network architecture team
- Data center cloud integration
- Network research/design statewide consolidated datacenter
- Network disaster recovery architectures
- SDN (NSX) network design/build including security and load balancing
- Data center intrusion prevention system architecture and implementation
- Developed IPS runbook designated as template for all future CTO runbooks
- DNS DHCP IPAM research/design statewide datacenter architecture
- Migration/transformation assistance into the statewide datacenter for consolidation

State University at Albany | Albany, New York
ADJUNCT FACULTY

- Instruction - (BFOR-203) Networking: Introduction to Data Communication (Fall Semester '16, Fall Semester '17)
- Expanded and maintain the course syllabus to include cryptography
- Created a virtualized network lab local to individual PCs to illustrate network concepts
- Develop and publish syllabus

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New York State Division of Criminal Justice (ITS Public Safety Cluster) | Albany, New York Network Engineer

- Network security Design/Maintenance/Monitoring/Troubleshooting and project management
- Network Disaster recovery architectures critical CJIS components
- Intrusion prevention system management
- SNMP management and data analysis
- Supervision/development of Network staff

New York State Department of Health | Albany, New York Network Engineer

- Network Design/Maintenance/Monitoring/Troubleshooting in a primarily Cisco environment. Including Firewall's, Routers, Switches, Load Balancers, and DNS
- Microsoft Desktop/Server support and maintenance
- Supervision/Development of Network and desktop/server support staff

New York State Office for Technology | Albany, New York Network Engineer

- Management level 3 troubleshooting and documentation effort
- Designed, deployed and maintained NYeNet 3 tier Internet Access Network (DMZ)
- Designed, deployed and maintained statewide Intranet DNS (BIND 8.2.5 - Solaris 2.6)
- Configure Cisco routers, switches, load balancers (CSS), firewalls, Nortel Switches, Netscreen Firewalls, SSL VPN, and Extreme switches

New York State Insurance Fund | Albany, New York Systems Engineer

- Managed NT/NetWare servers and associated personnel
- Configured Capacity Management/Threshold Alerts (NT Servers)
- Automated numerous tasks by utilizing scripting technologies
- Administered SCO UNIX server
- Responsible for NT Workstation/Server deployment, configuration, and migration to one primary Domain (3000 Workstations 30 Servers); analyzed Y2K threat (NT 4.0 Environment) and organization/deployment of patches (3000 Workstations 30 Servers)
- Responsible for Troubleshooting/configuring Cisco Routers/Bay Switches, WINS and DNS configuration, McAfee Anti-Virus deployment

Education

Computer Science/Business | State University at Albany | Albany, New York