Ted Trybus

83 Huntington Hts
Honeoye Falls, NY 14472
585-355-6649
tltrybus@trybusnet.com

CCIE level skilled IT Manager and Systems, Infrastructure and Network Engineer with 35+ years of experience in Business, Government, Military and Healthcare Industries supporting Information Technology, Networking, and Telecommunications needs. Cisco and Fortinet centric with many other manufacturers experience along with server/application defining a well rounded experience level. Managing complex projects, employees, contracts, RFP writing and answers.

Business Owner
Mendon Business Solutions
April 2019 to Present

Trace3

Irvine, CA   January 2023 to Present

Solutions Architect
Security and Enterprise:
Responsible for the complete security of the Trace3 enterprise. Technology planning and implementation, mentoring, migration planning from on premise VMware in 4 data centers to Microsoft Azure.
Consolidation of appliance based services, restructure the environment for more enhanced reliability.
Provide for processes and solutions for managing the security vulnerability remediation and issue tracking.
All Proof of Concept projects, labs and customer facing service offerings.

ComsourceNY

Syracuse, NY   November 2022 to April 2023

Professional Services
Lead Network Engineer:
Network and systems architecture, problem solving and installations.

Tompkins Financial Corporation

Pittsford, NY   March 2019 to July 2022

Infrastructure Services
Lead Infrastructure Engineer:
Providing system and application related services. VMware virtualized environment installations and management. Virtualized Windows and Linux servers. Exchange Management and complex version upgrade from 2013-2019 with preparation for MS365 migration. Netscaler planning and configuration. DISA STIG security implementation across all platforms and applications. Group Policy Management. DNS, DHCP and Active Directory services. Team member mentoring. Industry best practice implementation. Security services best practice. Direct training of team members. Project management. Deployment and testing. Technology planning for 3-5-7 year outlook. Assistant Manager. Disaster Response lead engineer. Data Center planning and capacity analysis. Data Security advisory. SQL Database migrations from individual servers to clustered services.

Synoptek

Rochester, NY   August 2017 to January 2019

ITC Consultant, Professional Services

Lead Network Engineer:

Provided network architecture, infrastructure solutions, deployment services, network, detailed wireless and server assessments for Professional Services. Design and configuration of complex network environments, troubleshooting and assisting support on complex issues. Advanced troubleshooting experience. Utilizing network analysis/monitoring tools such as Solarwinds, Solarwinds Orion and NetBrain, along with vendor developed services. Direct sales support and client advisory services. Mentoring and training of other engineers throughout the Synoptek department teams. Network Assessment remediation efforts with focus on resolving network issues, redundancy, expanded redundancy, Disaster Recovery/Preparation /Business Continuity. Project Management. Responsible for data center specifications, facilities design, equipment architecture, configuration, deployment and testing. Dedicated solely to Ingram Micro and Ingram Micro Mobility over the last year with Synoptek. Designed and implemented Nexus 5000, 7000 and 9000 series switches, Catalyst 9300/9500 series switches, enterprise class routers, midlevel routers, Cisco Controller based wireless networks using Cisco 3504 in high availability configuration along with decentralizing their existing single controller based wireless infrastructure that maintained all their site wireless access points minimizing downtime in a 24/7 always active production revenue generating environment. Performed detailed large environment network assessments that included analysis of data traffic, configurations, optimal usage of network resources, redundancy, facilities, network security, troubleshooting and immediate remediation of critical issues. Planned follow on assessment remediation efforts with focus on uptime, reliability, resiliency. Following industry best practices determine, analyze and review customer requirements, develop solutions (wired and/or wireless network, routing, firewalls, routers and switches), validate and present solutions, develop implementation and production testing procedures, implement/test with responsibility for final delivery. Architect complex network designs inclusive of dynamic routing protocols BGP, OSPF, EIGRP and multiple spanning-tree across global WAN environments. Simplify complex branch office WAN with simplified routing using dynamic routing protocols, spanning-tree switching solutions with Vlans and Vxlans.

Windstream Communications/EarthLink Business

Rochester, NY   December 2014 to August 2017

Lead Network Engineer, Professional Services

Architect, consulting, implementation of data centers, WAN infrastructure, switches and firewalls for all business types. Small business to large enterprise class data centers designs and buildouts including Cisco UCS platform, other VMware based and physical server environments. Professional services engagements for network assessments (LAN, WAN, VOIP), network security audits. Programming of automated systems for rapid deployment of equipment. Design specifications for customer networks based on customers' requirements and budgetary concerns. Configuration of firewalls and network switches. Site to Site vpn configurations and redundant network pathway configurations and designs. Team lead for various large projects for multi-billion dollar companies and trusted adviser. Product Development Lead Engineer for SD-WAN, LAN and WAN Diagnostics and other related network products. Direct involvement with Sales Teams on product proposals to customers, sizing, and expert level engineering support. Continually maintain a high degree of industry recognized certifications and

education as required. Frequently travel as part of a critical role to large project sites within the West and Midwestern Regions. Managed contractors and employees.

EarthLink Business

Pittsford, NY   September 2012 – June 2015

Senior Network Engineer

Implementation of firewalls for all business types. Small business to large enterprise class data centers. Professional services engagements for network assessments, network security audits, overseeing server implementations, Exchange setups and migrations. Programming of automated systems for rapid deployment of equipment. Inventory control, procurement, pricing of services. Design specifications for customer networks based on requirements. Assisted in the Product Development and Engineering of FortiManager, FortiAnalyzer, centralized management of FortiGate equipment deployed to EarthLink's customer base, Pre-Sales recommendations of specific sizing of firewall models. Complex configuration of firewalls and network switches. Site to Site vpn configurations and redundant network pathway configurations and designs (BGP, OSPF, EIGRP). Tier III+ troubleshooting and resolution services for all Earthlink Business products. Primary engineer responsible for Harbert Management, J Jill, Samsonite, Southeastern Paper, Platinum Mortgage, YKK and Tennessee Cancer Specialist. Managed vendors/ contractors and employees.

DOX Electronics

Rochester, NY   August 2007 – September 2012

Senior Network Engineer

Directly responsible for customer's computer networks, design, maintenance and troubleshooting. IT plan coordinator/engineer. Resolve all customer issues relating to their network environments. Review customer requirements, recommend appropriately sized network equipment manufacturer and models. Design, configure, test and deploy. Customers ranged in size from 1-3 computers to mid-sized SMBs with several large enterprise class campus environments. Lead engineer for all Sonicwall equipment deploy-ments. Lead Engineer for Cisco ASA firewall deployments and maintenance. Network security engineer responsible for network infrastructure, server and workstation security assessments. Virus resolution/ mitigation. WAN optimization engineer (Riverbed and BlueCoat). Research new technologies and equip-ment and provide feedback/training as required. Windows Server Active Directory, DNS, Exchange, DHCP and services configurations, troubleshooting and resolution. Managed contractors and employees.

SYNACOR, Inc

Buffalo, NY   August 2006 – April 2007

Manager / Enterprise Network Engineer

All network related issues including purchase, configuration, maintenance, future upscale planning and security. Managed over 150 individual Cisco network devices ranging from enterprise class to small office equipment located in the Corporate, Data Center, and outside sales office locations. Managed all Cisco Call Manager systems. Managed numerous separate network systems. Responsible for all network security issues. Engineered and implemented several network security projects including personnel internet usage tracking, MARS devices, tighter access controls and policies/procedures. Responsible for high level SLA's and 24/7 availability. Mentor for Windows Tech support team which involved project review, training, Exchange management and information store recovery, Disaster Preparedness and Recovery, Active Directory planning, user data access planning, benefits of a standardized IT platform and architecture. Engineered and implemented corporate expansion project for network and VoIP services.

Reviewed and implemented changes to existing configurations when originally hired and developed standardized minimal configurations, access and management procedures for routers, switches and firewalls. Planned departmentalization of the corporate network and access using vlans and domains. Managed contractors and employees.

Bureau of Alcohol, Tobacco, Firearms and Explosives (ATF)

Special Operations Division, Washington DC, Los Angeles Field Division   July 1994 – February 2006

Information Technology Specialist (GS12/Step9)

Assigned to the Special Operations Division /Undercover Branch (regional area of responsibility was the Western United States with further support nationwide). Member of US Secret Service Electronic Crimes Task Force. INFOSEC team member in the formulation, interpretation, dissemination and enforcement of Information Assurance policies and procedures. Utilizing sniffers and network analysis software to monitor and detect security, network breaches and traffic analysis. Worked with numerous law enforcement agencies (Secret Service, FBI, LAPD, Sheriff's offices, California Justice Department, etc.) Developed ATF's Critical Incident Response Network System which allowed ATF to deploy a full working office setup of network systems and computers to anywhere in the country on a moment's notice. Developed and presented numerous applications, presentations, network designs, security models, threat analysis and prevention briefings to Executives and Senior Executives throughout the Bureau, the Department of Justice and the Department of the Treasury. Tasked with the installation, testing, security, network systems penetration, data extraction/recovery on noted operating systems and networks. Interoperability and compatibility expert. IP addressing and routing for all workstation, network equipment and printers. Managed contractors and employees.

United States Air Force Reserves (Retired)

World Wide
August 1984 – August 2005
5 Years Active Duty, 16 Years Reserves

Technical Sergeant (21 years total service)
Managed and supervised 5 personnel in the day to day operations of a worldwide flying squadron. Aircraft and mission planning, scheduling and execution. Training management and analysis. Activated and deployed directly by Air Force Reserves Headquarters with special permission from the Air Force, Department of Defense and Pentagon as a Network and Systems Engineer position (operated outside of primary career field) during Operation Iraqi Freedom solely responsible for the acquisition and installation of a full network system for an Aeromedical Evacuation Squadron that operated in several different countries throughout 2 active Combat zones. Developed a critical resource tracking program to track patient and flight/cargo information during these life saving missions. Utilizing vlans to segregate the different operations centers, command and control, aircrew, med-evac crews, medical and hospital workstations and equipment. Designed and implemented network systems at Mildenhall AB, UK and Ramstein AB, Germany to support Operation Iraqi Freedom and integrated with existing Air Force network backbone. System servers and over 100 workstations. Deployed to support the National Science Foundation in New Zealand and Antarctica to develop VPN capabilities between the numerous sites and NSF facilities stateside. Team Chief and primary design engineer tasked with the installation and maintenance of the base network in 1995-96, as part of a design team that engineered and cabled all the buildings (with additional manpower) on the base with fiber optics on a redundant FDDI backbone. This became a model installation for the Air Force and was further implemented nationwide at many install-ations. Utilized vlans and subnetting to manage and control network traffic in a campus environment supporting 10,000 network devices (servers, routers, switches, workstations, printers, PDA's). Provided briefings to the Pentagon and Air Force Reserve Command Headquarter officials on data security, consolidation and practical use/sharing of data across different applications and platforms. Provided

training classes to active duty Air Force personnel on data security, disaster recovery, network planning and providing for future growth.

Trained Instructor for Battlefield Self Aid and Buddy Care, CPR and EMT (14 years)
Total Quality Management Instructor

Altium, An IBM Company

Formerly CADAM, a Lockheed Martin Company
Burbank, CA   August 1989 – July 1994

- Facilities Manager, Main Frame Data Center personnel, Data Operations Center /Network Operations Center – PC and Main Frame, Copper and Fiber data cabling installer, Help Desk Support

Professional Details

Certifications held
Current Studies: Cisco CCIE Candidate, CCNP

Cisco: CCNP-Data Center, CCNP-Security, CCDA, CCNA

Cisco Specialist: ASA, Firewall, IOS, IPS, VPN Security, Unity Design & Support, and various Unified Computing Systems categories

FortiNet: FCSA and FCSE (NSE)

Checkpoint: CCSA

Sonicwall: CSSA

Riverbed: RCSP

Symantec: STS

MCSE/MCP training

Microsoft Azure and MS365

PCI trained

National Security Agency: 4013 and 4011 Security Recognition

Skills
Network Hardware:
Cisco firewalls, Nexus and Catalyst switches inclusive of Cisco UCS environments, Cisco UCM, Sonicwall, Fortinet FortiGate, FortiManager, FortiAnalyzer and FortiAP, SSLVPN and IPSec Client remote access, email and backup appliances, routers, switches, Palo Alto firewalls, Barracuda: firewalls, spam filters, web filters and email archive appliances, Adtran routers and switches, Checkpoint firewalls, Juniper firewalls/switches and Cisco & Brocade SAN environments.
Wireless:
Cisco, AirTight MoJo, Meraki, Aruba, Ubiquity access points and controllers
VOIP:
Cisco, Avaya, MyTel, ShoreTel and Vonage
Server Environments:
Windows 2016, 2012, 2008 (forest, domain and single server)
Windows 2003/2008/2011 Small Business Server

Exchange 2016 + prior versions
Active Directory design and management in forest, domain and single server environments
Enterprise level of tape/hard drive backups (Veritas)
Workstation:
Windows 10, 8.1, 8, 7 and prior versions.
WAN/Communications:
Ethernet, Multi-GigabitEthernet, FCOE, OTV, MPLS, Frame Relay, T1, T3, VPN, and Fibre channel, multi and single mode fiber, Satellite and Wi-Fi

Software:
Cisco Prime Infrastructure and Network Management, FortiManager, FortiAnalzyer, Sonicwall GMS, Microsoft Office 2016 Professional Visio, GIS mapping, Oracle Browser, TCP/IP applications and tracking, Cisco Prime, NetBrain, NetIQ, VisualWare, CiscoWorks, OpenView, SNMPonline, WhatsUpGold, Solarwinds, Solarwinds Orion, Network Manager and Engineer Toolkit, data recovery software and forensics software (EnCase), programming in Access and scripting. VMware, Hyper-V, Windows Servers 2016 and prior to NT.

Security Clearances held:

- Bureau of Alcohol, Tobacco, Firearms and Explosives – Top Secret-SCI
- United States Air Force – Secret

Additional Information

Education
Empire State College, BS Computer Science program

Glendale Comm. College, AS Computer Science program

Community College of the Air Force, AA Aviation Resource Management program

State University of New York, Regents High School Diploma – Advanced Studies

Board Member

Southern California Air Quality Management District