Keith Hanlon
(502) 693-9282
kahanlon@gmail.com

Certifications

Comptia Security+, Network+ & A+ Certified   MCSA (2012)
MCSE (2000)

Notable Technical Skills

- Advanced Powershell scripting
- SharePoint 2007, 2010, 2013, 365
- DNS (AD and BIND)
- ISO and SOX certification, auditing
- Microsoft App-v 4.5, 4.6, 5.0, 5.1
- Terminal Services and TS gateways
- IIS, Apache, NGINX
- ADFS, Azure AD,
- Linux (Multiple Flavors)
- Hyper-V and Vmware
- FlexNet / KMS / Volume Activation Services
- Multiple SAN technologies
- Sonicwall, Pfsense, ASA firewalls
- Citrix VDI/XenApp

- Cisco, Force10, Juniper, Dell networking
- Internal and Public Certificate (SSL) Management
- Exchange on Premise and O365
- Forefront, Sophos, TrendMicro Virus Protection
- Windows Server NT, 2008, 2012 r2, 2016, 2019
- Active Directory design, security, migration
- Failover Clustering and Mirroring
- Proxy 2.0, ISA, TMG
- UCS, Dell, HP Server hardware
- JIRA workflow creation
- Group Policy
- SCCM, MDT, endpoint management
- Openview, Nagios, Zabbix monitoring
- MongoDB, Mysql, MS SQL

Employment

Rainbow Design Services, Inc.   Louisville, Kentucky
Systems/Network Engineer – December 2015 - Present
Lead Engineer in charge of all aspects of the IT team. Deployed and maintained firewalls, wireless, workstations, switches, servers, virtual machines, and software. Developed automated tasks (using powershell) to do many functions such as account creation, software license management, log shipping, virtual machine management, SSL, and permission management. Built cloud environment on Azure hosting web applications, servers, applications, and DNS. Bult Terminal Server environment. Built Virtual Machine Cluster with Hyper-V and ProxMox with Ceph Storage SAN. Built and maintained JIRA/Confluence for company. Built out ansible environment for DSC

Highlighted Contributions
- Built a wireless network with external guest portal
- Completely rebuilt network from basic layer two switching
- Built a Zabbix monitoring solution for servers, server hardware, and automation
- Migrated from single exchange 2010 server to 2013 on a load balanced cluster
- Built a sharepoint environment for user and IT knowledgebase. Later migrated to JIRA
- Built out Disaster Recovery plan and backup solution

LGE-KU Louisville, Kentucky
System Engineer - November 2014 - December 2015

Part of the Infrastructure team managing workstations and VDI in the environment. Used SCCM 2012, Citrix VDI 5.6/7.5, AppV 5, Powershell and XenApp 6.1 to deliver applications to users. Acted as a go-between for tier 1,2 helpdesk and the Engineer team.

Sullivan University Systems Louisville, Kentucky
Systems Engineer – December 2008 – November 2014
Part of a three person team responsible for care of server hardware/software of the entire organization. Roughly 200 servers. A complete Windows shop, using Hyper-V and Windows Server for the backend to all servers including a 1200 concurrent VDI XenDesktop farm. Managed other software such as Exchange 2007/2010, AppV, Terminal Services, Lync, Sharepoint, SQL, ADFS, IIS, External DNS, ImageNow, and KMS

Major Contributions
- Upgraded OCS 2007 environment to Lync 2010
- Complete Active Directory DC refresh from 2003 to 2008 R2
- Installed SharePoint 2007 Environment, upgraded it to 2010
- Built out App-V infrastructure with ~150 applications
- Consolidated SQL Servers to a mirrored environment
- Migrated 40,000 email accounts to Office 365 (live @ edu)

Humana Incorporated Louisville, Kentucky
Network Operations Analyst – July 2006 – November 2008

Responsible for monitoring all networking and server hardware across the environment. Performed after-hours maintenance of installing software on servers, configuring networking equipment and repairing server hardware and configurations. Responsible for patching all Windows and Novell network operating systems. Built several VMware ESX hosts and servers. Installed and configured several HP blade server enclosures in a boot to SAN environment and provided support. Network consists of almost 2000 servers, 200 sites, 18,000 employees, 120 firewalls, & 400 switches.

Major Contributions
- Installed and configured several HP Blade server enclosures – P & C Class
- Built several VMware ESX hosts & migrated servers from physical to virtual
- Managed Cisco networking infrastructure

Carroll County Public Schools Carrollton, Kentucky
Systems Administrator – August 2003 - August 2006
Responsible for maintaining, updating, buying, and administering the District's computer, telephone, and surveillance equipment. Network consists of 22 servers, five sites, and two routers in an Active Directory Environment with about 900 Workstations.

Major Contributions
- Upgraded domain environment from NT 4.0 to Native 2003 Active Directory.
- Upgraded and consolidated its two Exchange 5.5 Servers to one Exchange 2003 box
- Upgraded all Windows NT 4.0 Servers to Windows Server 2003
- Built a wireless network at each site
- Created and implemented a disaster recovery plan with offsite tape backup
- Over the course of three years, replaced ~400 Windows 9x obsolete workstations with new XP workstations.
- Built images and a centralized workstation monitoring solution.

Education
Louisville Technical Institute   Louisville, Kentucky
Associate Degree in Computer Network Administration