



## ANDY QUIROZ

### Summary:

- Over 25 years of experience as an IT professional, proficient in the design, provision, implementation, and migration of Microsoft Exchange and Active Directory (all versions).
- Strong expertise and in depth knowledge of IT systems infrastructure and related modernized practices of Microsoft Windows Server, Active Directory, Exchange, CentOS, Ubuntu.
- Extended experience in project management and documentation during all phases of designing a Microsoft infrastructure organization for on premise or hybrid cloud model.
- Planned and led team of system engineers, storage designers, and network administrators with design of security, disaster recovery, and backup policies and procedures of various Microsoft systems.
- Prepared and distributed detailed technical documentation pertaining to successfully implemented IT solutions for Microsoft systems with Office 365 or just on premise only along with any Unix systems with all research internal references.

### *Core Competencies:*

- Sound knowledge of security technology and processes, intrusion prevention, vulnerability management, storage, networking, and web technology.
- Thorough with fundamental troubleshooting procedures and techniques, solutions engineering, project management (Scrum Agile and waterfall), and team leadership.
- Efficient skill set using Microsoft PowerShell to automate and report in all aspects related to Microsoft Exchange, Microsoft Lync, and Microsoft SharePoint.
- Strong passion in using UNIX technologies with/in a Microsoft environment such as PERL with PowerShell, CHEF cookbooks for Windows servers.
- Very innovative and detail oriented when delivering accurate, on time project tasked results.
- Strong presence with media production procedures and technologies (MediaSilo, WireDrive) and very familiar with the high demand that features and television productions require.

### Certifications:

Microsoft Certified Professional #2644308  
Microsoft Azure Administrator #2644308  
AWS Certified Cloud Practitioner (August 2020)  
Certified Scrum Master # 000322007  
Okta Certified Professional (May 2021)

### Technical Skills:

#### Systems:

- Windows 10/Server 2008R2/Server 2012R2/Server 2019
- Active Directory & AD Federation Services 2008R2/2012R2/2019
- Mac OSX 10.9/10.8/10.7/10.6/10.5/10.11/11.0/11.2.3
- UNIX Ubuntu 17 and 16
- UNIX CentOS 6.0 and 7.0

#### Management Systems:

- Microsoft SCCM 2016
- Chef on Ubuntu v14 and v16

#### Mail Server:

- Microsoft Exchange Server 2010/2013/2016/2019
- Microsoft Office 365 E3 tenet (Exchange Online, Skype, SharePoint, Azure, Teams, Yammer, etc.)

**Storage:**

- Dell EMC VNX Unisphere
- Dell EMC Isilon NAS
- NetApp EF-Series

**Languages:**

- PowerShell v1.0/v2.0/v3.0/v4.0/v5.0
- PERL aka Activestate PERL v5 for Unix and Strawberry PERL for Windows v5
- Python for Mac OSX v3.5

**Networked File System:**

- SMB aka Samba for Mac OSX, Microsoft Windows
- CIFS and NFS

**Enterprise Security:**

- Sophos Endpoint Security: Encryption for Servers and Workstations
- DUO Multi-Factor
- Netwrix Active Directory Auditor

**Appliance:**

- KEMP Network Load Balancer and Load Master
- Citrix NetScaler for Proxying Exchange, Lync, and NLB for ADFS

**Virtualization:**

- VMware ESX vSphere 4.0/5.0/5.5/6.0

**Cloud/PaaS (Platform as a service):**

- Amazon Web Services for Microsoft and Unix platforms (SharePoint)
- Google Cloud Workspace (Gmail, Google Docs, etc.)

**Education:**

**Riverside Community College**, Riverside, CA 1998

**Experience:**

July 2020  
to present

**Senior Active Directory Engineer**

**University of California, San Diego**, San Diego, CA

Senior identity management engineer working with primarily Microsoft Azure Active Directory for the UC enterprise IDM systems. Primary responsibilities are to manage identity information across a number of different systems using ADDS in a hybrid format with on-premise Active Directory and Azure Active Directory in the Microsoft cloud and within AWS VPC. Supporting the migration to Azure from on-premise Active Directory as well as engineering the architecture for how IDM works for the enterprise forest consisting of over 80k users. Using PowerShell as the primary scripting tool to perform the automation of account management, creation, and delegation to other groups throughout the UC campus. Senior engineer responsibilities are with design and architecture of identity services such as Azure ADFS, on-premise ADFS, SSO, and the campus IDP (IdentityNow). Leading the management of core AD services such as Group Policy, PKI, Certificate services, and domain trusts and relationships with other UC school systems such as the UC Medical School's and UC Health enterprise. All projects and related work were performed using the agile method of work, including CSM and various type of project team leads.

July 2015  
to June 2020

**Senior Cloud Engineer**

**MGM Studios**, Beverly Hills, CA

Senior infrastructure cloud engineer, primarily focused on Microsoft cloud technologies (Azure, Office 365), cloud identity provider services (Okta), AWS data center migration and hybrid VDC, and cloud security platforms such as Nutanix, Palo Alto, Evidentlo and Akamai Luna. Lead engineer in managing all the implementation of new Microsoft and UNIX related server technologies as well as all application deployment via Okta and all Okta policy and identity design. Proficient with PowerShell and CHEF to automate server and infrastructure routine tasks. Designed and engineered Active Directory group policy security features for server and desktop. Engineered server solutions for acquisition of other post and pre production studios for television and features, this included the design of the migration of data, implementation of system security, and deployment of processes for new system integration.

**ANDREW QUIROZ**  
**Page Three (Continued)**

Provided 7x24 support including DHCP, DNS, Backup and Recovery (NetBackup), VMware, and all SAN and NAS storage appliances. Manage Unix and Linux systems for e-discovery, samba file shares, and Apache/Tomcat web services.

April 2015  
to July 2015

**System Engineer IV**

**University of Southern California**, Los Angeles, CA

Lead system engineer and administrator for all Microsoft related technologies such as Exchange 2013, Active Directory, SharePoint 2013, Lync 2013, Office 365 and Azure AD and Identity management. Designed and migrated Exchange 2010/2013 environment to a hybrid Office 365 platform using ADFS, Single Sign On, and Azure AD in the cloud. Lead administrator for Microsoft SCOM and SCCM to provide automated deployment of desktop images, windows updates and security patches to servers and desktops, and deployment of custom applications specific to University business functions. Provided 24x7 support for all sever infrastructure and backup related duties with ComVault and NetBackup. Managed VMware infrastructure with 90% of the environment being virtualized.

March 2014  
to Nov. 2014

**Senior System Engineer**

**DTS, Inc.**, Calabasas, CA

Senior system engineer for all Microsoft and Unix related systems, VMware and storage related technologies including Exchange 2010/2013, Active Directory, SharePoint 2010 and Microsoft Lync 2013. Senior lead engineer in managing all the maintenance and implementation of new server technologies. Proficient with PowerShell to automate routine tasks, and increase site reliability 100% for Active Directory and Exchange globally. Managed all infrastructure related technologies with 7x24 support including DHCP, DNS, Backup and Recovery (NetBackup), VMware, and all SAN and NAS storage appliances. Lead and managed all infrastructure related projects, with strong emphasis on team work and detailed documentation.

July 2013  
to Jan. 2014

**Senior System Engineer**

**Semtech Corporation**, Camarillo, CA

Senior lead engineer for Microsoft Exchange 2010/2013, Microsoft Lync 2013, and SharePoint. Handled all tasks and served as lead role in all projects focused on improving reliability and scaling out Exchange and Lync to six sites globally. Designed and automated scripts to monitor and manage Microsoft systems and improve uptime. Managed the Microsoft infrastructure and systems used more by than 2,000 professionals around the world.

Aug. 2010  
to July 2013

**Senior System Engineer**

**The Scripps Research Institute**, San Diego, CA

Senior administrator and engineer for Microsoft Exchange, Active Directory, SharePoint and Lync. Led all migration projects to move away from all Unix mail systems and sustain and virtualize all pre-existing Exchange servers by moving to a multi-tiered storage appliance.

July 2008  
to July 2010

**Senior Messaging Collaboration Engineer**

**University of Maryland**, College Park, MD

As the lead senior messaging engineer and administrator, led various projects to migrate from an obsolete Unix mail systems to Microsoft Exchange. Coordinated with all sectors of the various universities IT units to design a plan to move all faculty, staff and student's emails to Exchange.

May 2005  
to July 2008

**System Engineer**

**University of Southern California**, Los Angeles, CA

Designed and improved existing infrastructure that spawned a brand new IT department for the school of medicine. Implementation of a new messaging system, directory system, migration of all data to file servers for faculty, staff and students along with installation of new backup and disaster recovery systems.

**ANDREW QUIROZ**  
**Page Four (Continued)**

Feb. 2000  
to May 2005

**Senior HelpDesk Technician**

**University of Redlands**, Redlands CA

Primary accomplishments included leading team of technicians to migrate to Windows 2000 multi domain environment which included the installation of Microsoft Exchange and DFS. I provided various migration strategies for desktops to move to the Windows domain systems along with their mail and all existing data.

Mar. 1998  
to Jan. 2000

**Network Engineer**

**USC University Hospital**, Los Angeles, CA

Administered all network and email level access to all users on Novell NetWare 4.1 and Windows NT 4. Provided full network and PC end-user level support for 450+ user environment on a mixed Novell / Windows NT environment.

June 1994  
to Nov. 1997

**HelpDesk PC Support Technician**

**Aetna Us Healthcare**, Loma Linda, CA

Provided support for all computers, upgraded and migrated desktops from Windows 3.1 to Windows 95. Provided database administration and analyst for all applications on the LAN and connected to AS400 mainframe. Instructed and trained employees on various PC software programs: Microsoft Windows 95, Windows NT Server and Workstation 4.0, Microsoft Office, Novell 3.1 – 4.1, Internet Access, and various email programs.