

Tim Andrews, MCSE, CCA
Sr. Systems Engineer
(949) 354-2264 | tim@ac64.com | www.ac64.com

Tim Andrews is Microsoft Certified Systems Engineer (MCSE) and works as a project-based consultant to small to medium-sized businesses in the Southern California region. Tim has been working with computers since 1981 and has worked on many projects and many different technologies over the years. Today his focus is on high-end Microsoft server rollouts with Exchange, SQL, Sharepoint, and terminal servers utilizing high-availability solutions such as clustering and load balancing to achieve enterprise-class stability and performance. Focus is also on remote access and communications using Exchange Server, Citrix, Remote Desktop, virtualization, VPN technologies, mobile devices, and advanced firewalls to provide a seamless experience for users working outside of the office or via satellite offices.

Server technologies:

- Windows Server
 - Active Directory
 - Group Policy
 - Clustering
 - Remote Desktop Services
- Exchange Server
 - Clustering/DAGs
 - Disaster Recovery
 - Mobile Access
 - Migration
- SQL Server
 - Database management
 - Data migration
 - Linking external data
 - Clustering/HA
- Sharepoint
 - Setup
 - Customization
 - Migration/Upgrade
- Remote Desktop/Applications
 - Citrix XenApp
 - RDP Services
 - VMware ThinApp
 - Setup
 - Migration/Upgrade
 - High Availability/Load Balancing
- System Center
 - Configuration Manager
 - WSUS Integration
 - Operations Manager
- Virtualization
 - VMware
 - Citrix XenDesktop
 - Microsoft Hyper-V
 - Virtual Desktop Infrastructure
 - High Availability/Disaster Recovery
- IIS
 - Load balancing/SSL offloading
 - SSL certificates
 - Datacenter support
- Firewalls/Routers/Switches/Appliances
 - Sonicwall
 - Cisco
 - Watchguard
 - Netscaler
 - VPN
 - SANs
- .NET Development
 - ASP.NET
 - SQL DBA
 - Secure data access
 - XML Web Services

References

Randall Hayes, IT Manager, Systems Source - (949) 852-0920

Andy Hang, IT Manager, QualSpec Group - (310) 257-8222

Brett Gregor, Owner, Fisix - (949) 874-4545

Job History

2000-Present: Sr. Systems Engineer, Andrews Consulting, Costa Mesa

1998-2000: Sr. Systems Engineer, Langtech Systems Consulting, San Francisco/Rancho Santa Margarita

1996-1998: Sr. Systems Engineer, PC Manager, Irvine

Notable Clients

Access TV	Global Premier Development	Redhawk Fire & Security
Arbonne Int'l	Mainstay Business Solutions	Redmond Orthodontics
Avanade	Microsoft	Riffe Int'l
Best Life & Health Insurance Co.	Netfacilities	Smpl Solutions
Better Beverages/Speedy Fountain	Pacific Building Care	SOI
BFL Owen	Pegasus Biologics/Synovis	State Bank & Trust
Chinatrust Bank	Precision Pet Products	Systems Source
Epicor	Putnam Lovell	Tony Robbins
Gateway Orthodontics	Qualspec Group	USC Orthodontics

Work performed

- Installation and configuration of Windows Server, Active Directory, Group Policy, DHCP, and DNS with planning and deployment of forest structure, DFS, remote sub-domains, OU design, site replication, FSMO and DC placement, group membership, security, and site topology
- Installation and configuration of Exchange Server in Hub Transport, Mailbox, Client Access, Active/Passive Cluster, Database Availability Groups, Edge Transport, and Unified Messaging roles with planning and deployment of antivirus and antispam services, firewall/antispam/antivirus configuration, user and mailbox migration, Powershell scripting, and deployment of SSL certificates for OWA, RPC over HTTPS, TLS, S/POP, S/SMTP, and S/IMAP
- Clustering Windows Server and Exchange Server (CCR & SCR) with SANs and log shipping, High Availability with Database Availability Groups
- Virtualization of servers and desktops with VMware, Citrix XenDesktop, and Microsoft Hyper-V including physical-to-virtual migration, client deployment, and resource monitoring
- VDI implementation with VMware ESX Server, Virtual Iron, Citrix XenDesktop, virtual Windows, and gateway web access software from VMware and Microsoft
- Architecture, installation, configuration, and management of Citrix XenApp and Remote Desktop including load balancing, resource monitoring, and troubleshooting for Wyse Winterm thin clients and Windows fat clients
- Sharepoint installation, upgrades, management, and troubleshooting
- Symantec Anti-Virus Enterprise and Endpoint Security installation, deployment, and management
- Firewall, UTM, and security appliance configuration on Sonicwall, Cisco ASA and PIX, Barracuda, WatchGuard, Panda
- Site to site and client-server VPN and remote access design, implementation, and access management
- Installation and administration of SQL Server including AlwaysOn High Availability, database mirroring, clustering, replication, security, data migration, SQL Reporting Services and SSIS, backups, disaster recovery, and data file management
- Installation, configuration, and troubleshooting of Blackberry Enterprise Server
- Approve and deploy Windows Updates with WSUS and System Center Configuration Manager
- Network infrastructure design and implementation with phone/cabling/ISP vendor management
- Backup/Disaster Recovery planning and management with Symantec Backup Exec, SAN, DAT, LTO, and Exabyte
- Manage servers and firewalls at datacenters with load balancing hardware and bandwidth management
- Hardware management and troubleshooting for Dell, HP, IBM Bladecenter, Compaq, EMC, Netapp
- Domain name registration, IIS hosting, SSL certificate installation, and website, FTP, and database configuration

Case Studies

Client: Epicor

Environment: Windows 2008, Exchange 2003 and Exchange 2010 network with global locations
Windows servers running Active Directory, Citrix, file storage, DHCP, DNS, group policy
Several Exchange 2010 DAGs with 3 servers – each DAG with two local and one remote for disaster recovery and site maintenance

Work performed: Migrated approximately 1,000 mailboxes from Exchange 2003 to 2010 environment using Powershell scripting
Troubleshooting issues related to Quest Migration Manager between two Active Directory forests during the migration of an acquisition

Client: State Bank & Trust

Environment: SQL 2012 AlwaysOn High Availability, Sharepoint 2010

Work performed: Configure and troubleshoot SQL AlwaysOn environment to provide High Availability and automatic failover, with manual failover to DR site
Troubleshoot and fix issues with Sharepoint services such as Sharepoint Search

Client: Redhawk Fire & Security

Environment: Windows 2008, Exchange 2010 network
Windows servers running Active Directory, Citrix, file storage, DHCP, DNS, group policy
Several Exchange 2010 DAGs and load balanced CAS servers, terminal servers

Work performed: Migrated 1,500 users from hosted Exchange to freshly built in-house network, retaining all distribution group membership and management attributes using Powershell scripting
Configured Citrix Netscalers with High Availability to load balance Exchange CAS, RDP Services, SMTP, and IIS

Client: Systems Source

Environment: Windows 2003/Exchange 2000 network with 2 locations, Irvine & Los Angeles, connected via ISP
10 physical Windows servers running Active Directory, Citrix, file storage, one domain controller in each site, DHCP, DNS, group policy
Virtual Iron virtualization environment running on 3 physical servers and a SAN, hosting several more virtualized servers and workstations.
Panda content filter gateway
Watchguard Firebox firewall

Work performed: Replaced domain controller in Los Angeles office with new machine, demote old server
Installed Exchange Server 2007 on two blades in an IBM Bladecenter S with SCR clustering
Installed Exchange Server 2007 as Hub Transport role on virtual server & modify firewall rules to route inbound email to Hub Transport
Replicate Exchange public folders to decommission old Exchange Server
Used Powershell to mass-migrate user mailboxes to Exchange 2007
Resolved various issues relating to AD replication, DNS, DHCP, remote access, and firewall/content filter security
Migrated Citrix servers to virtual machines using Physical-to-Virtual software
Upgrade Backup Exec, remote agents, and configure backups
Clone virtual Windows XP machines to rollout to users
Install SQL 2005 on virtual machine to host databases for applications, BES, Backup Exec, Citrix
Configure VDI gateway for web-based user access to virtual XP machines

Case Studies (cont.)**Client: Pacific Building Care**

Environment: 2 physical servers running Windows Server 2003, Exchange 2003, MAS 200
Corporate merger with Janico Building Maintenance – 3 physical servers running Windows 2003, Exchange 2003, SQL 2005, and a Remote Desktop/Terminal Server, Sonicwall firewall

Work performed: Purchased and installed two Dell Poweredge 2900 servers with Windows Server, Exchange, and SQL
Installed Active Directory, DHCP, DNS, group policy, created login scripts, shared folders, home directories, security/distribution groups, and permissions
Migrated users, mailboxes, and data to new Active Directory environment, maintained trust relationship to old domain for access to MAS 200 server
Migrated accounting data from MAS 200 to Winteam (SQL Server 2005) – employee master list, vendor list, payroll and tax data, customers
Migrated old servers to virtual machines using Physical-to-Virtual software
Installed Citrix Presentation Server 4.5 on several virtual servers for remote desktop access and applications
Rolled out Wyse Winterms for in-house employees to run virtual XP and/or Citrix
Configured Sonicwall CGSS for antivirus, content filtering, and intrusion prevention

Client: Arbonne Int'l & Epicor

Environment: Red Hat Linux & Pick database, 5 Windows servers for Active Directory, file storage, voicemail, DHCP, DNS, IIS, Exchange Server, SQL Server

Work performed: Worked with Epicor technicians to migrate data from Pick to Epicor
Designed and implemented a Windows service to monitor a folder for CSV files generated in real-time by Pick as thousands of orders per day were placed, read CSV files and import data into Epicor
Setup access to web site through IIS, Cisco PIX firewall, SSL
Programmed access to Pick data through ASP.NET for sales reps to access data from web
Installed several more servers for Sharepoint, IIS, file storage, DNS, SQL Server

Client: Pegasus Biologics

Environment: Two Microsoft Small Business Server 2003 machines in separate buildings, one Windows Server 2003 machine running Active Directory, Exchange 2003, one Remote Desktop/Terminal Server
Buildings connected by long-range wireless access points and Sonicwall VPN tunnels

Work performed: Migrated SBS machines to Windows Server 2003/Exchange 2003 using the Microsoft Transition Pack
Purchased and installed 4 new servers and Dell MD3000i SAN for new building
Installed Exchange Server Enterprise on two machines in a CCR cluster for Mailbox role and clustered file sharing from SAN drive
Configured Backup Exec to backup to disk on SAN
Installed Exchange Server and Active Directory on third machine as Hub Transport, DHCP, DNS
Installed VMware Server on fourth machine to host virtual servers

Client: Redmond Orthodontics

Environment: 5 servers running Windows, Citrix Presentation Server, Exchange Server
5 offices connected via Sonicwall VPN

Work performed: Installed Exchange Server, created mailboxes for users, migrated and redirected email from POP/IMAP accounts to Exchange through Sonicwall
Installed Citrix and applications on two servers using Citrix Load Balancing
Configured Wyse Winterms at each station with access to imaging and x-ray data through Citrix
Setup remote access to Citrix through Citrix Web Interface
Installed SSL certificates for secure web access to Exchange OWA & Citrix Web Interface