

## Network Engineer

Our Network Engineer is responsible for the design, implementation and operation of the Global RingCentral Corporate Networks ensuring that the network infrastructure is operating within the design specifications.

This engineer will produce architectural design recommendations for upgrades and drive future network functionality and architectures. Additional tasks are to collect operational and trend statistics and to analyze performance results.

This position is expected to provide advanced technical support for issues that are escalated from the network and systems operations teams and is the top escalation point for all critical network related issues; training and knowledge transfers to other network team members are also expected.

### Your Roles:

- Design complex and efficiently operable networks to support real-time protocols.
- Network subject matter and policy expert.
- Continuously identify and leverage new technologies or methodologies.
- Vendor engagement.
- Operation of the Global RingCentral Corporate network environment.
- Capacity and performance management of existing infrastructure.
- Execute routine changes, provisioning services and deployments.
- Fault isolation, service recovery and incident analysis.
- Provide level three technical support to global IT teams.
- Participate in 24x7 on-call rotations.
- Develop standards, procedures and other documentation.
- Provide direction and training for other network engineers and administrators.

### Requirements:

- 5+ years experience hands-on network engineering/design and operation of large, high-availability, global enterprise networks
- Hands-on design, operation and support of large, high-availability, global enterprise networks.
- Multi-vendor hardware and software environments (Juniper, Cisco, Ruckus Wireless, Palo Alto Networks, and Fortinet experience preferred).
- Troubleshooting complex networks and applications.
- Executing best practice concepts including RFC and ISO standards, SLA's, and change management.

### Subject Matter Expert:

- IP routing protocols including BGP, EIGRP, OSPF, ISIS, IP Multicast, MPLS
- IPv4 knowledge required, IPv6 knowledge preferred
- TCP/IP fundamentals (packet level analysis)
- Network protocols including TCP, UDP, HTTP, FTP, DNS, SIP, RTP
- Network infrastructure including LAN, WAN, WLAN, routing, switching, load-balancing, monitoring
- Network applications including VoIP, encryption, SSL offloading, content delivery
- Network security including firewalls, proxies, ACL, IPSec, VPN, SSL/TLS, PKI
- Network concepts including VRRP, EtherChannel, LACP, STP, QoS

- Physical layer including Ethernet, optical OCx, SONET, T1/T3, FiberChannel
- Hardware including Juniper, Cisco, Ruckus Wireless, Palo Alto Networks, Fortinet.

#### Working Knowledge:

- Network management tools including OpenNMS, CiscoWorks, JunOS Space
- Voice and video over IP
- Analysis tools including WireShark, IXIA, Cacti, Iperf
- Network file systems including NFS, CIFS, NAS
- Multimedia, collaboration and other real-time content delivery
  
- Linux and Windows administration
- Programming and scripting such as Bash, Perl, Ruby, PHP, Powershell
- User and enterprise applications such as Exchange, Email, databases, SQL, web servers
- Server hardware
- Non-IP network protocols a plus

#### Education and Other Skills:

- BS degree in Electrical Engineering, Computer Science, or related scientific disciplines
- Expert level industry certification (e.g., CCIE, JNCIE) preferred
- Creative problem solving and design
- Function well in a team as well as individually
- Excellent written and oral communications skills (American English primary)
- Strong organizational practice