





Network Architect


WHAT DOES A NETWORK ARCHITECT DO?


A Network Architect is responsible for designing and implementing enterprise class networking architectures that support the availability of an application. They also manage troubleshooting and resolution of network-related issues throughout the organization, while making sure to document and monitor any network failures. Finally, they provide recommendations for network upgrades in accordance to future application usage.

Day-to-Day Expectations and Responsibilities


 **Implement, administer, document, and troubleshoot** network infrastructure devices, including W/LAN, Proxy Servers, firewalls, routers, switches, load balancers, wireless access points, and controllers


 **Execute network administrative tasks** such as collecting statistics, monitoring performance, and deploying updates


 **Conduct robust service management for mission critical applications,** manage incident response, and work / coordinate with various technical and internal stakeholders

 **Create redundant networks** for high availability in case of primary network failures

Key Traits of a Network Architect

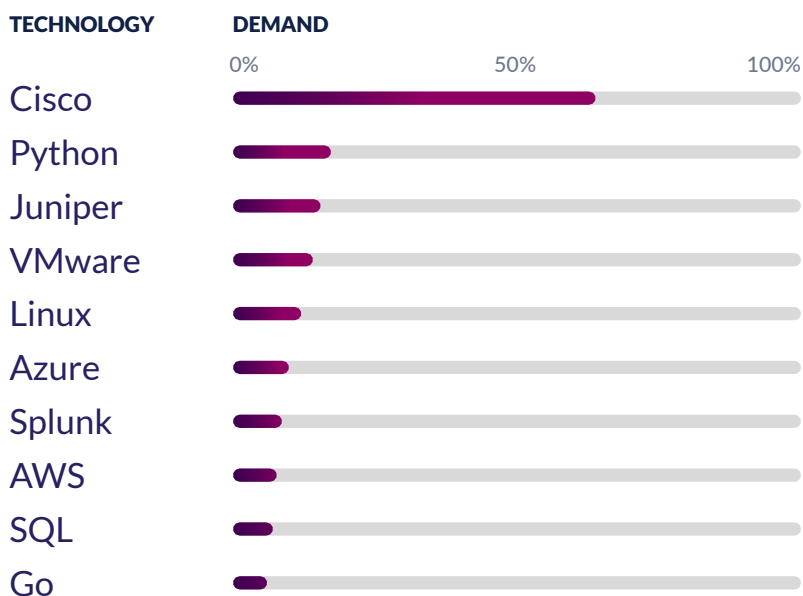
 **Problem-Solver:** Network Architects must be collaborative problem solvers who can work cross-functionally to design the networks for an organization.

 **Learner:** With traditional networking becoming more software-defined (SDN), Network Architects must be willing to learn new best practices and improve existing infrastructure.

 **Communicator:** Documentation is critical for any technology implementation. Network Architects must be master communicators as they are called upon to write and share information about the plans they create.

NETWORK ARCHITECT

Trending Technology Skills for Network Architects



*Figures represent the share of all Network Architect job postings analyzed that require a given skill. Data as of October 1, 2018. View this week's data [here](#).

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Network Architect Target Skill Set

Technical Skill Set

- ✓ Cloud networking software
- ✓ Ticketing tools
- ✓ Networking Fundamentals on IPv4, IPv6, Subnetting, DNS, VPN, BGP, and MPLS
- ✓ Network operations / data center operations in 24/7 environment

Non-Technical Skill Set

- ✓ Attention to detail
- ✓ Analytical mindset
- ✓ Outcome-oriented critical thinking and problem solving

Starter Training Plan for Network Architects

The following Cloud Academy courses and training plans prepare professionals to become Network Architects. [Learn More About Training Plans >](#)

 **Amazon Web Services**

[AWS Networking & Content Delivery](#)

[Advanced Networking – Specialty Certification Preparation for AWS](#)

 **Microsoft Azure**

[Designing for Azure Operations](#)

[Azure Services for Security Engineers](#)

 **Google Cloud Platform**

[Google Cloud Platform for System Administrators](#)

Industry Certification(s) for Network Architects

After taking courses with Cloud Academy, Network Architects can consider the following certifications.

 **Amazon Web Services**

[AWS Certified Advanced Networking Specialty](#)

[AWS Certified Solutions Architect - Associate](#)