

Digital Network Architecture (DNA) Readiness Model



DNA Checklist ✓

Two Key Questions to Ask Your Network Vendor

Can you support our digital business ambitions?

- Do you have a vision and roadmap for networking that will support digital transformation?
- Do you help customers achieve a smooth network evaluation to a software-delivered architecture?
- Can your network architecture deliver lower cost and complexity, reduced risk and enable faster innovation?
- Do you have a proven record as a trusted partner for the long term, to support IT through the journey to digital?
- Can your partners and services ecosystem help me to evolve to a digital-ready network?
- Can you help with developing our network team's skill set to support a programmable network?
- Can your network deliver valuable IT and business analytics?
- Do you have a broadly adopted developers program?

How can your network technologies support our digital requirements?

Architecture

- Is your network architecture end-to-end, meaning from clients to cloud (access, core, WAN, branch office, data center, cloud)?
- Does your architecture enable end-to-end automation?
- Is your architecture open and standards-based?
- Is your architecture designed to support a controller-based programmable network?
- Is your architecture built to support virtualization?
- How does your architecture enable mobile, cloud, Big Data and IoT?

Automation

- Can your management system create and configure networkwide policy and services through standard APIs and traditional interfaces?
- Can your architecture automate policies across day zero, day one and day two operations?

Security

- Can your network enforce contextual security policy and respond to contain threats?
- Can your network act as a networkwide security sensor and intelligence dashboard?
- Does your network provide security and protection for the edge and the core?

Analytics

- Can your network support distributed and cloud-based IoT analytics?
- Can your network identify threats and anomalies in real-time?
- Can your network provide valuable real-time insights into customer and employee behaviors?
- Can your network provide clear visualization of activity networkwide?

Service assurance

- Can your architecture apply application quality of service (QoS) network wide?
- Can your architecture automate QoS policy across the network?