**NTT DaTa**
Services

# Reduce Risk and Increase Savings With Flexible, Secure Network Infrastructure

Network Consulting Services by NTT DATA

### Do you depend on your network to run your business?

In today's rapidly changing IT environment, implementing network solutions can be challenging as enterprise networks continue to evolve with the emergence of technologies such as voice over IP, video, mobility, unified communications, convergence, virtualization, data center consolidation and cloud-based solutions. Added to this, IT is expected to take advantage of these technological advances with limited budgets.

Address these challenges with Network Consulting Services by NTT DATA. Our experienced professionals apply proven methodologies to develop an end-to-end multi-vendor network solution for your business and IT needs — today and in the future.

Our Network Consulting Services provide resources to design, plan and implement cost-effective networks to support your enterprise. We transform and optimize your network to realize measurable performance improvements and increased service levels — with substantial cost savings.

Based on open global industry standards, we support a wide variety of technologies from vendors such as Cisco, Juniper, Riverbed, VMware and Brocade. Our key capabilities include:

- Network health
- Network security
- Network readiness
- Network optimization
- Network transformation

- Wireless and IP telephony (IPT)
- Next-generation network advisory services

**Key benefits:**
- Maximize network performance and availability to enhance business continuity
- Protect your wired/wireless network infrastructure from unauthorized access
- Optimize your network investment with state-of-the-art architectures
- Enable business continuity with tailored disaster recovery solutions
- Increase business flexibility with agile network designs that align to your changing business needs
- Reduce network outages and required operating expenses through implementation of best-practice designs

## Create a flexible, optimized network while mitigating risk

Our Network Consulting Services help create a highly available, secure and superior network environment that supports your growth while accommodating the convergence of voice and data systems and network traffic. The upgraded network integrates with your business processes to enhance workforce performance and manage the needs of your mobile and remote workers — while providing the bandwidth you need to scale and accommodate application and communication demands. By incorporating technologies such as cloud, collaboration, bring your own device (BYOD) and big data, our services also take advantage of analytics to support your continuous improvement.

## Design a network environment tailored to your needs

| Service component | Features and benefits |
|---|---|
| Network health | Delivers a prioritized roadmap of network investments, aligned with your technology and business strategies, and rapidly deploys the upgraded network with reduced risk to increase efficiency, enhance performance and improve network operations. Our consultants work with you to provide services such as:<br>• **Network-based performance analysis:** Breaks down application flows in order to isolate the root cause(s) of poorly performing applications or predict future application performance under various network conditions.<br>• **Discovery and topology mapping:** Validates the current structure of your network topology and provides updated topology documentation.<br>• **Best/critical practices assessment:** Guarantees your business is getting the most from the people, processes and technology implemented. |
| Network security | Develops secure networks and network management practices that adhere to industry best practices. Our consultants work with you to provide services such as:<br>• **Best/critical practices assessment:** Analyzes your network to ensure your operations are in compliance with industry best practices and critical practices.<br>• **Network security architectural assessment:** Reviews your security requirements, operational practices and security architecture, and then analyzes your firewall rule sets. This provides a prioritized list of focus areas to enhance your network's security.<br>• **Network security architectural design and planning:** Designs a secure and cost-effective solution for your organization. We review the design with you and discuss options to develop the right network for your needs.<br>• **Virtual private network (VPN) services:** Assesses your requirements and develops the right VPN solution for your needs. |
| Network readiness | Understands the impact of a new technology before it comes onto your network and your people start calling with performance issues. Our consultants work with you to provide services such as:<br>• **Lync network readiness:** Ensures we are setting proper expectations of the communication experience offered through Microsoft Lync.<br>• **Cloud and virtual desktop infrastructure (VDI) network readiness:** Ensures your network is ready for cloud and/or VDI, and offers guidance on migrating applications and data to a private or public cloud infrastructure.<br>• **IPv6 network readiness:** Assesses your current network infrastructure and explores your strategic and architectural options for transitioning to this next-generation protocol. |
| Network optimization | Helps implement and manage your data center environment — whether you need help optimizing an existing data center network infrastructure or implementing new technologies to meet your scaling demands. Our consultants work with you to provide services such as:<br>• **Load balancing:** Increases operational efficiency using application delivery controllers, while ensuring peak network performance and enhancing security for your business-critical applications.<br>• **Wide area network (WAN) optimization:** Reduces WAN utilizations and improves application response times across WANs. |
| Network transformation | Builds out and tests your new network infrastructure to provide an end-to-end comprehensive suite of services that support and transform your network. Our consultants work with you to provide services such as:<br>• **Network architectural consulting and design:** Reviews where you are and what you have to work with, and provides independent and cost-effective solutions for the growth of your network.<br>• **Data center networking:** Ensures your data center is designed and built to enable high availability and high performance. |
| Wireless networking and IP telephony (IPT) | Creates a wireless network that provides scalable bandwidth, secure access, flexibility, 24x7 reliability and manageability. Our consultants work with you to provide services such as:<br>• **Wireless site surveys:** Determines/troubleshoots optimum access point count, location, power levels and radio frequency coverage required for effective wireless networking. This is performed onsite or remotely.<br>• **Wireless design and implementation:** Provides detailed wireless engineering, including wireless controllers, access points and standards required to authenticate and secure the network, while allowing users appropriate access.<br>• **IP telephony assessment, design and implementation:** Reduces circuit costs and toll charges by consolidating voice into your data infrastructure. |
| Next-generation network advisory services | Provides advisory services if your organization is planning for a next-generation business network. It enables the effective use of software-defined networking (SDN), network functions virtualization (NFV), big data and the Internet of Things. |

Visit **nttdataservices.com** to learn more.

NTT DATA partners with clients to navigate the modern complexities of business and technology, delivering the insights, solutions and outcomes that matter most. We're a top 10 global IT services and consulting provider that wraps deep industry expertise around a comprehensive portfolio of infrastructure, applications and business process services.

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