Data Center Interconnect (DCI) Professional Services
Reducing risk when building data center interconnect for the cloud

Data center interconnect (DCI) enables organizations to connect their data centers in private, virtual private and hybrid clouds, and to support applications such as business continuity and disaster recovery.

As organizations consolidate and virtualize their data centers to improve efficiency and reduce costs, and move to the cloud for greater agility and flexibility, they are re-evaluating their DCI needs.

Despite the importance of DCI to business and cloud strategies, implementing a scalable, secure and reliable optical transport network to support DCI is not a core strength of many organizations.

Nokia DCI Professional Services provide rapid deployment capabilities that reduce the risk of DCI build-out and help accelerate business success.
DCI Professional Services tailored to your needs

**DCI build-out**

Building a DCI solution makes sense where the cost can be offset by the savings achieved by reducing the number of data centers and moving to virtualized cloud IT models, or by the additional revenue generated through offering managed DCI services. However, maintaining control, ensuring security and reducing risk when implementing DCI are important factors for all organizations—particularly for business-critical applications and those that affect valuable assets such as intellectual property and customer data.

Building and operating a DCI solution must address security, data integrity and control concerns, but at the same time it can increase risk and impact time-to-market.
Reduce risk and time-to-market with Nokia DCI Professional Services
Nokia Professional Services can help you achieve business success by reducing risk and time-to-market for your DCI build-out with a range of services covering all aspects of the implementation and deployment process, from consulting to design, build, integration, deployment and maintenance.

Nokia DCI Professional Services provide rapid deployment capability for DCI build-outs and include two critical components to make your business a success.

Consulting services provide financial analysis and modeling, high-level network architecture design, and certification as a service.

Build, operate and transfer services provide a comprehensive solution to help you cost effectively roll out, operate, and manage your network; reduce operational risk and time-to-market; and alleviate expertise and resource constraints.

DCI consult, build, operate and transfer services to meet your needs
Professional Services tailored for you
We recognize that each customer’s requirements are different, so Nokia is able to customize DCI Professional Services to meet individual needs.

We can assist you to select the most economical and flexible deployment strategy to meet your needs, and we can customize the various components of the solution to best fit your operational model.

Benefit from our experience
Nokia has gained deep experience in providing efficient and flexible interconnectivity for data centers. We provide industry-leading services and products as needed for a comprehensive solution. Whether within the data center, or between data centers, with any degree of separation, we can offer rapid, de-risked deployment to support the business goals of a wide range of organizations.

Across the city or across the continent
Nokia DCI Professional Services deliver a truly global capability, supporting consistent implementations and a range of architectures from metro/inter-city deployments to regionally and globally distributed infrastructures.
Nokia DCI Professional Services solution life cycle

**Consulting services for DCI networks**
Select the most economical deployment strategy using offer components that can include:
- Financial analysis
- Nokia Bell Labs modeling
- High-level network architecture
- Certification as a Service (CaaS)

**Build, operate and transfer for DCI networks**
A comprehensive solution for customers to:
- Cost effectively roll out, operate, and manage their networks
- Reduce time-to-market and operational risks
- Alleviate expertise and resource contraints

**DCI Professional Services that leverage Nokia's advanced service delivery model**
The DCI consulting process

The consulting phase is crucial in establishing the near-, medium- and long-term requirements of the solution. Our approach blends near-term pragmatism to assist rapid deployment of best-in-class DCI with an eye to longer term evolution in order to benefit from the latest technological advances.

For example, Nokia is a technology leader in software defined networking (SDN) and network functions virtualization (NFV) and these capabilities can be addressed in the planning and design process as needed to support current and foreseen business goals.

The consulting and design phase can include a range of considerations to select the most effective deployment from a financial and engineering standpoint.

These can include the following:

- Security, business continuity, disaster resiliency and recovery analysis
- Financial analysis including Nokia Bell Labs modeling
- Operational model establishment across all stakeholders
- High-level and detailed network architecture generation
- Media requirements and availability across λ, sub-λ, Ethernet and IP
- Latency targets for applications such as synchronous data replication or high-speed trading
- Asynchronous requirements such as remote data backups
- Optical and IP solution design and integration
- End-to-end management and administration policy design
The DCI network build, operate and transfer process

Nokia can build your DCI network, including integration and deployment of equipment with the following best practices:

• Project Management (performed by PMI-certified project managers)
• Active and passive network site infrastructure engineering
• Active network installation and network element integration
• Management of third parties and subcontractors
• Quality assurance with key acceptance milestones and operational handover

Nokia can also operate and manage the network for you once it is built and accepted:

• Establish processes and interfaces between you, Nokia and third parties
• Use of field-proven tools to ensure smooth operation and monitoring
• Metrics and reports including KPIs/SLAs with internal/external metrics and reporting structure
• Establish a governance model for change management and escalation process

At the end of the operate and manage period, parties can decide to either extend the contract, or transfer the operations to the customer or a selected third party. In case of transfer, Nokia is committed to support you during the entire transfer process with tools and processes to secure seamless operation.

Nokia DCI Professional Services solution values

• Operational efficiency to reduce risk and cost
• Resiliency to ensure business continuity
• Agility and speed to match business demand
About Nokia
Nokia is a global leader in the technologies that connect people and things. Powered by the innovation of Bell Labs and Nokia Technologies, the company is at the forefront of creating and licensing the technologies that are increasingly at the heart of our connected lives.

With state-of-the-art software, hardware and services for any type of network, Nokia is uniquely positioned to help communication service providers, governments, and large enterprises deliver on the promise of 5G, the Cloud and the Internet of Things. http://nokia.com

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