Data Center Interconnect (DCI) Assessment Service

As data centers become critical enablers for the ongoing growth and success of businesses then the data center architecture becomes increasing important. Some organizations are adding additional interconnected data centers in an effort to enhance performance, business continuity, scalability, and agility capabilities.

The Data Center Interconnect Assessment service helps customers assess how they should connect their data centers so that these requirements are best achieved.

Service Description

Juniper Networks® DCI Assessment service is recommended for IT executives who are seeking a comprehensive analysis that takes into consideration the requirements of all stakeholders and helps determine the optimum interconnect solution.

Times when an assessment of your DCI approach are especially applicable include:

- When you are considering investing in a new data center(s)
- When you are planning the migration strategy to a new data center
- When you are upgrading your WAN
- As part of a review of your business continuity planning (BCP) process
- As part of an architecture assessment of your highly virtualized environment that demands seamless compute workload migration (vMotion)

The DCI Assessment provides an opportunity for you to get an expert assessment of design and technology options for your data center interconnect strategy. This will enable you to support current business activities while also providing a cost-effective, scalable, robust, and adaptable environment for the future.

Service Features

Our consultant will initially work with you to understand your business goals and current approach to data center interconnect. This will provide the context for subsequent interviews with appropriate stakeholders including representatives from business users, application team, server team, storage team, as well as network team. These interviews will ensure that a comprehensive set of requirements are identified and included in subsequent analysis.

This analysis and associated recommendations will address the potential to satisfy current as well as future needs, plus the requirement to address "pain points" identified during the interviews.

Recommendations on how to address your requirements in the DCI environment will be delivered as part of a workshop which will also include a demonstration of the proposed solution, whenever practical.

Service Deliverables

You will receive a written report summarizing recommendations for your DCI design. It will include technical details of the recommended DCI solution, and will demonstrate how this solution will enable you to satisfy present and future needs, address current "pain points," and show how you can continue to align with your overall data center strategy.

Information Gathering	• Interview stakeholders • Identify current and anticipated business goals, interconnect issues, and technical requirements
Develop Analysis and Recommendations	• Define recommended solution • Evaluate impact on goals, issues, and requirements • Identify technology requirements
Workshop and Knowledge Transfer	• Present recommendations and justification • Demonstrate technology solution • Outline path forward

Juniper Consulting

In today's high-speed environment, the challenges and the risks are as great as the opportunities. Network investments are substantial, and few IT departments can spare the time or staff resources needed to keep pace with the latest innovations in business networking.

As leaders in networks and security, Juniper's consultants and engineers are uniquely qualified to assist you in designing, implementing, and optimizing network solutions. Our team appreciates the complexities and the subtleties inherent in large-scale network design and can assist by providing customized and integrated "turn-key" solutions.

Juniper's consultants are uniquely qualified to help design, implement, and optimize your networks for reliable operation and rapid returns on network infrastructure investments. Our consulting services can help you:

- Optimize your infrastructure and operations
- Provide immediate value to your network
- Extend the performance of Juniper products
- Control your costs

Additional Services to Optimize Your Data Center

Juniper Networks offers a broad range of consulting services to help you enhance your network architecture and optimize your production environment. Services to consider in the early stages of your network review include:

- **Strategic Network Consulting:** In the planning stage of your project, this service will assist you in determining a strategy for your network architecture and a plan to translate that strategy into an optimal solution. It is aimed at understanding your business requirements, determining the impact of the changes on your existing network infrastructure, and providing architectural guidance and recommendations to ensure that your network will be enhanced in a controlled manner.

- **High-Level Design:** Implementing a new network or security project starts with an evaluation of the requirements and a detailed rendering of the architecture to be used. The High-Level Design service defines the topology, protocols, and equipment required, mapping the design to your needs.

- **Low-Level Design:** Once the high-level design of a network is determined, the specifics need to be identified. The Low-Level Design service identifies the optimal configuration and equipment needed to make your network a reality.

- **Testing Service:** Prior to implementation of a new network, Juniper Networks Testing Service gives you the opportunity to combine your knowledge of your network's specific performance requirements with Juniper's sound foundation of network design methodology and products to create a customized test environment that simulates your unique end-to-end deployment scenario. This allows you to avoid the cost of creating and operating your own test labs, reduces your project risk, ensures a seamless implementation of new technology into your production environment, and accelerates your time to deployment.

- **Implementation Consulting:** Subsequent to lab testing, the Implementation Consulting service offers remote or onsite engineering assistance to support execution of a predefined implementation plan. This service is typically used to help you in implementation, migration, testing, and troubleshooting activities.

Juniper Networks Services and Support

Juniper Networks is the leader in performance-enabling services that are designed to accelerate, extend, and optimize your high-performance network. Our services allow you to maximize operational efficiency while reducing costs and minimizing risk, achieving a faster time to value for your network. Juniper Networks ensures operational excellence by optimizing the network to maintain required levels of performance, reliability, and availability. For more details, please visit www.juniper.net/us/en/products-services.

Ordering Information

To order the service, or for additional information, please contact your Juniper account manager. Before the services begin, a statement of work (SOW) will be established outlining the scope of the effort to be performed.

About Juniper Networks

Juniper Networks brings simplicity to networking with products, solutions and services that connect the world. Through engineering innovation, we remove the constraints and complexities of networking in the cloud era to solve the toughest challenges our customers and partners face daily. At Juniper Networks, we believe that the network is a resource for sharing knowledge and human advancement that changes the world. We are committed to imagining groundbreaking ways to deliver automated, scalable and secure networks to move at the speed of business.

Corporate and Sales Headquarters

Juniper Networks, Inc.

1133 Innovation Way

Sunnyvale, CA 94089 USA

Phone: 888.JUNIPER (888.586.4737)

or +1.408.745.2000

Fax: +1.408.745.2100

www.juniper.net

APAC and EMEA Headquarters

Juniper Networks International B.V.

Boeing Avenue 240

1119 PZ Schiphol-Rijk

Amsterdam, The Netherlands

Phone: +31.0.207.125.700

Fax: +31.0.207.125.701

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