Data Center Migration and Risk Mitigation Assessment

Service Overview

Changing to a simplified, more effective data center is a journey, but data center executives are often uncertain of the best route and how to minimize any risks along the way. In order to receive the desired benefits of enhanced performance, scalability, and agility, many companies are seeking guidance on the migration process, the identification of potential areas of risk and options to help mitigate the risks.

Juniper Networks Data Center Migration and Risk Mitigation Assessment provides expert guidance on how to make the move to a Simple, Smart, and Open data center while enabling organizations to support current business activities during the migration process.

Service Description

This service is designed to help you prepare for a migration to Juniper Networks® MetaFabric™ Architecture. As part of this service, you are able to leverage the migration expertise within the Juniper's Professional Services team and receive an independent analysis of the following:

1. Technical requirements

2. Migration process

3. Areas of potential risk

4. Mechanisms to best minimize the risks

The Data Center Migration and Risk Mitigation Assessment service is designed to help you mitigate technical as well as financial risks inherent in the migration, and it is available to all customers regardless of their existing data center equipment provider. It is delivered by Juniper consultants with practical, in-depth experience in similar MetaFabric migrations.

Features and Benefits

The service includes a review of the business and technical goals, anticipated architectural changes, and creation of a migration process and associated risk mitigation plan that address each of the following areas:

- Migration preparation: For example, what are the various preparatory phases and steps that lead up to the migration? What level of preparation needs to go into the planning phase?

- Migration execution phases: Multiple phases are defined with each phase having a clear set of objectives and results prior to moving to the next phase in the process. For example, the consultant might recommend a "Testing Phase" in a controlled environment for creating configuration snippets per device/service or recommend a pilot migration that creates test customers per service.

- Tools and processes: The consultant makes recommendations for tools and processes to be used during the migration.

- Automation: The consultant identifies areas where the use of automation can help in creating checks and balances.

- Rollback: Rollback procedures are defined and documented.

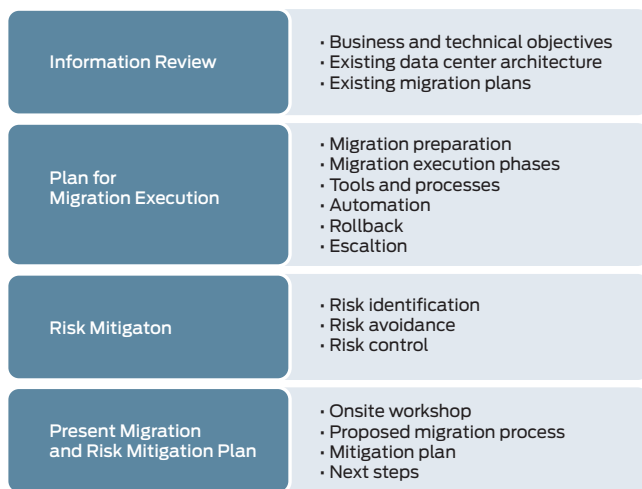- Escalations: An escalation process is created.

Your ideas. Connected.™

Information Review	• Business and technical objectives • Existing data center architecture • Existing migration plans
Plan for Migration Execution	• Migration preparation • Migration execution phases • Tools and processes • Automation • Rollback • Escaltion
Risk Mitigaton	• Risk identification • Risk avoidance • Risk control
Present Migration and Risk Mitigation Plan	• Onsite workshop • Proposed migration process • Mitigation plan • Next steps

Figure 1. Migration and Risk Mitigation Planning Process

The outcome of the assessment includes documentation of current status, desired goals, and recommendations for change, and it allows you to more effectively prepare for the migration and minimize risks that might otherwise not have been foreseen. You have a defined and agreed process that is required in order to execute the migration.

Juniper Consulting

As leaders in networks and security, Juniper's Professional Services consultants and engineers are uniquely qualified to assist service providers in designing, implementing, and optimizing security solutions. Our team appreciates the complexities and the subtleties inherent in large-scale internetwork design and can assist service providers and enterprises, or provide customized and integrated "turnkey" solutions.

Juniper Networks Professional Services helps accelerate your network's time to value, bringing revenue-generating capabilities online faster for bigger productivity gains, faster rollouts of new business models and ventures, greater market reach, and higher levels of customer satisfaction. Your onsite staff works closely with Juniper specialists, building operational capabilities and reducing your exposure to IT risks. As a result of our previous experience involving hundreds of customers around the world, Juniper Networks Professional Services is uniquely qualified to help you design, implement, and optimize your network for confident operation and rapid returns on infrastructure investments. These professionals understand today's network and security demands and those that are just around the corner—for bandwidth efficiency, best-in-class security, solid reliability, and cost-effective scaling.

The use of Juniper's consultants also helps you avoid the requirement to provide the necessary technical and security audit and evaluation skills inhouse. The evaluation can be completed faster, as you are not forced to wait until internal resources become available, nor do you have to address the issue of conflicting project priorities.

Additional Services to Optimize Your Network

Juniper Networks provides additional consulting services to consider along with the Data Center Migration and Risk Mitigation Assessment. For example:

- **Data Center Security Evaluation:** This is designed to identify areas in which your security statement and your security environment are misaligned with each other, misaligned with the requirements of the business, or both.

In addition, a broad range of consulting and packaged implementation services is available to help you enhance your network design and optimize your production environment. Services to consider in the early stages of your network review are:

- **Data Center Interconnect Assessment:** This service provides an opportunity for you to get an expert assessment of design and technology options for your data center interconnect strategy.

- **QFX3000-M QFabric™ System QuickStart:** This service enables you to quickly implement an entry-level QFabric system and help you understand your level of readiness as you move from a three-tier or two-tier network to a flat, single-tier QFabric architecture.

- **Strategic Network Consulting:** In the planning stage of your project, this service assists 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 is 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 lets you 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.

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 Juniper Networks Testing Services or for additional information, please contact your Juniper account manager.

The Juniper Networks Testing Services can be ordered using the part number shown in the table below. Before Testing Services begin, a statement of work (SOW) will be established outlining the scope of effort to be performed.

Model Number	Name
PRO-DC-MIG-ASSESS	Data Center Migration and Risk Mitigation Assessment

About Juniper Networks

Juniper Networks is in the business of network innovation. From devices to data centers, from consumers to cloud providers, Juniper Networks delivers the software, silicon and systems that transform the experience and economics of networking. The company serves customers and partners worldwide. Additional information can be found at www.juniper.net.

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1000484-001-EN   Mar 2015