

Project Management and Risk Mitigation

Overview

Change often involves uncertainty about the best way to achieve the desired goal and how to mitigate risks along the way. In order to realize the benefits of enhanced performance, scalability, and agility from a new network platform, many companies seek guidance to ensure that the migration process is effectively managed, including the identification of potential areas of risk (financial and technical) and options to mitigate those risks. They also need help making the move to a new platform while supporting current business activities during the migration process.

Capabilities Description

The Juniper Networks® Project Management Methodology (JPMM), including both project and risk management practices, is an integral part of all Professional Services engagements, helping customers make a seamless migration to their new network.

Effective management of a network or security implementation requires robust planning and the application of industry best practices to ensure that the project progresses smoothly and with minimum risk. Based on Juniper's years of experience, JPMM—a combination of templates, tools, and processes—provides the foundation for managing and controlling such network migration projects, as well as a process for identifying and mitigating any associated risks.

This methodology is a combination of globally recognized methodologies, including Project Management Institute (PMI) and PRINCE2, augmented by the accumulated knowledge and experience of Juniper project teams around the world. JPMM can be adapted to any project management methodology, such as Agile or other standards-based custom project management processes.

An integral part of JPMM is risk management, which is the process of identifying and mitigating risks within a project. Managing the level of project risk enables you to:

- Create more accurate budgets and forecasts
- Be more confident of completing deliverables on time
- Increase your chances of overall project success

Planning and executing projects that impact business-critical networks demands control, understanding of progress, and the ability to manage changes of scope as well as unexpected events. However, when planning a project, not only is it important to highlight the steps and resources required to achieve the desired objective, it is also necessary to clearly identify and categorize any associated risks and develop ways to mitigate those risks.

Risk mitigation is a multistep process that identifies and assesses the impact of risks in order to develop a comprehensive mitigation plan that recommends ways to avoid identified risks, reduce the likelihood of their occurrence, or transfer/accept them.

A perceived critical risk (i.e., a risk with high probability and high impact) becomes a key factor when evaluating the potential for success, unless an effective way to avoid or reduce this risk can be found. The early assessment of risks will help you understand potential critical threats and allow you to embed mitigation into your overall plan. This also provides the time to proactively plan and prepare for known risks rather than react to them at the last minute—when it may be too late.



Knowing about a possible risk is, in itself, insufficient; you must also develop an effective response, have access to the required resources, and have the authority to ensure that the necessary action is taken. Therefore, a prerequisite to effectively mitigating

risk is to have a clear communication and governance plan to ensure that the right players are available to mitigate risks as they are identified and incorporated into project plans.

Features and Benefits

This approach provides you with the benefits outlined in Table 1 below.

Table 1: Value of Project Management and Risk Mitigation

	Deliverable	Benefit	Business Value
Project management	Project plan	Detailed plan to enable control of quality, resources, milestones, acceptance testing, procurement, and financials	<ul style="list-style-type: none"> • More accurate budgets and forecasts • Visibility of progress • Confidence that deliverables will be completed on time and to specification
Risk mitigation	Risk analysis	Identification, classification, and assessment of risks	<ul style="list-style-type: none"> • Visibility and awareness of areas of anticipated risk to the project
	Risk mitigation plan	Documented plan for addressing key risks	<ul style="list-style-type: none"> • Ability to manage areas of risk and required responsibility and timing of actions
	Risk monitoring	Ongoing reporting of progress and impact of anticipated areas of risk	<ul style="list-style-type: none"> • Knowledge of what risks have been addressed/eliminated and awareness of plans for moving forward

Juniper Networks Professional Services

As leaders in networks and security, Juniper's Professional Services consultants and engineers are uniquely qualified to assist customers design, implement, and optimize network solutions. Our team appreciates the complexities and the subtleties inherent in large-scale internetwork design and can assist, or provide customized and integrated "turn-key" solutions.

Juniper Networks project management consultants are accredited and have formal project management qualifications.

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 will work closely with Juniper specialists, building operational capabilities and reducing your exposure to IT risks. As a result of our previous experience involving hundreds of networks around the world, Juniper Networks Professional Services is uniquely qualified to

help customers design, implement, and optimize their networks for confident operation and rapid returns on infrastructure investments. These professionals understand today's Internet demands and those that are just around the corner—for bandwidth efficiency, best-in-class security, solid reliability, and cost-effective scaling.

Ordering Information

Juniper Networks project and risk mitigation capabilities are available worldwide. Please contact your Juniper Networks account manager for additional information.

About Juniper Networks

Juniper Networks challenges the status quo with products, solutions and services that transform the economics of networking. Our team co-innovates with customers and partners to deliver automated, scalable and secure networks with agility, performance and value. Additional information can be found at [Juniper Networks](#) or connect with Juniper on [Twitter](#) and [Facebook](#).

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