Data center network security for cloud computing

Enable cloud computing with a scalable and security-rich network

Highlights

- Helps address the security challenges of cloud computing

- Applies data center, networking and security skills and experience to planning and implementing security solutions for cloud computing environments

- Helps mitigate the risks associated with complex infrastructure upgrades

Emerging IT service delivery models like cloud computing offer flexibility and cost effectiveness but may also introduce significant security exposures. Understanding who accesses your network, the applications running on it and potential risks is essential for maintaining data security and integrity. At the same time, you need a scalable, high-performance enterprise IT infrastructure to successfully deliver a cloud computing environment. To do this, you need security solutions as ubiquitous and automated as the rest of your cloud computing infrastructure.

IBM Network Integration Services for data center networks – network security for cloud computing provides services to design and implement a network security infrastructure to help you better secure your critical business systems and data. Working with the products of leading technology providers, we can help you plan and deploy intrusion and anomaly detection, encryption, remediation and management so that only authorized users and devices can access your critical resources. By implementing techniques like these, we can help you prepare a more effective response to potential threats to your cloud computing infrastructure.

Helping to optimize network security in your cloud computing infrastructure

Network security plays an essential role in enabling a flexible and responsive IT infrastructure for cloud computing. The solutions we deliver can help provide the built-in flexibility and capability to automatically change network configurations while helping maintain comprehensive security, visibility and management. Our services can

allow you to balance business demands and risk tolerance, and provide a more security-rich virtualized infrastructure—without adversely impacting availability and performance.

Planning for network security in cloud computing environments

To support the introduction of a new network security solution, our specialists can help you develop the right network security design based on your unique security requirements. We can help you take advantage of new and cost-effective technology while also supporting your availability and performance goals. In addition, we can develop an approach to bringing in new technology that encompasses the equipment and the operational processes needed for a more successful production environment.

Helping you mitigate the risks of complex upgrades

We can help you create a detailed implementation plan, deploy the new technology and prepare for ongoing operations. We can also address the aggressive schedules and limited change windows that are typical in cloud computing environments to help you mitigate the risk of disrupting important elements of your business. IBM can provide the technical and project management skills to perform vendor coordination, site preparation, configuration, testing, training and related activities to help limit potential impacts to critical data and applications.

Why IBM?

IBM can provide skilled professionals in network security, data center infrastructures and cloud computing environments. We can offer extensive, real-world experience building new data centers, updating existing facilities and designing and deploying networks in a variety of IT environments. Our delivery methodology is designed to streamline design and implementation and help reduce the time and resources needed to deploy a successful network security solution.

For more information

To learn more about IBM Network Integration Services for data center networks – network security for cloud computing, please contact your IBM representative or visit the following website:
ibm.com/services/integratedcommunications

ICD03048-USEN-01