

BROCADE SAN SECURITY ASSESSMENT



PROFESSIONAL SERVICES

Brocade Expertise for the Most Secure SAN Environments

HIGHLIGHTS

- Provides onsite expertise for assessing and implementing field-proven SAN security mechanisms
- Enhances the security of SAN environments by introducing best-practice methodologies
- Includes onsite Transfer of Information (TOI) and training to expand the knowledge and skill set of internal SAN designers and administrators
- Helps support a wide range of industry regulations and compliance initiatives in regard to data security

Protecting corporate data has become increasingly important, not only because of new regulatory compliance requirements, but also because of potential litigation and liabilities, regardless of industry or the size of the enterprise. However, even though enterprise storage is potentially the most critical component in overall IT security, it is often the most overlooked component and possibly the most vulnerable.

In the context of a Storage Area Network (SAN) infrastructure, where physical media containing data is shared among several devices, the potential risk and exposure increases correspondingly. Moreover, the rapid advances in security technologies often make it more difficult for IT professionals to keep up with the latest capabilities—leading to the unfortunate consequence of greater risk for the storage infrastructure.

Brocade® has been at the forefront of SAN infrastructure security since the introduction of the first Access Control Lists (ACLs) and authentication of switches using PKI. Brocade has since added several security-enhancing features into the base Fabric OS®, including support for SSH, SSL, HTTPS, SecTelnet, RADIUS, and SNMPv3.

Today, Brocade offers the Brocade SAN Security Assessment, a service designed to help organizations leverage this security functionality to further strengthen their SAN infrastructures and help ensure that their data is well protected.

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FIELD-PROVEN BEST PRACTICES

The Brocade SAN Security Assessment is based on field-proven best practices as well as industry-recognized security principles as defined by organizations such as the Storage Network Industry Association (SNIA) and the National Security Agency (NSA).

The engagement will be performed at an organization's location by a Brocade SAN security expert. The assessment is designed to be non-disruptive to production environments and will be conducted in a manner to completely protect the integrity and confidentiality of organizational data.

As part of the engagement, Brocade will assess every aspect of a SAN infrastructure's security, including:

- Physical device security
- Administrative controls and policies
- Fibre Channel device access
- TCP/IP vulnerabilities

In addition, Brocade will explore complementary technologies, such as data encryption and file access rights, to raise the security level of data throughout the enterprise SAN infrastructure.

BROCADE SAN SECURITY ASSESSMENT PROCESS

The Brocade SAN Security Assessment includes the following activities:

- A Brocade expert will conduct a phone interview and send a questionnaire to be completed prior to the onsite visit (if necessary, the questionnaire can be omitted for security reasons).
- Brocade will arrive onsite to collect the necessary data for the assessment through interviews with internal staff and from direct analysis of the Brocade SAN infrastructure.
- Brocade will prepare a full assessment report.
- Brocade will conduct an onsite TOI that includes the final assessment report, recommendations to further secure the SAN infrastructure, a review of Brocade SAN security best practices, and a discussion about other technologies that can improve overall data security.
- Optionally, Brocade will also perform a complete Professional Services engagement to implement security measures/countermeasures to secure the SAN infrastructure.

KEY DELIVERABLES

The following deliverables will be provided at the end of the Brocade SAN Security Assessment:

- Detailed documentation of the SAN infrastructure
- Identification of potential SAN infrastructure vulnerabilities
- Recommendations on how to secure the SAN infrastructure
- Brocade SAN Security Best Practices Guide
- Transfer of information and training session

MAXIMIZING INVESTMENTS

Brocade and its partners offer complete data management solutions to meet a wide range of technology and business requirements. These solutions include education and training, services, and support to help optimize data management investments. For more information, contact an authorized Brocade sales partner or visit www.brocade.com.

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