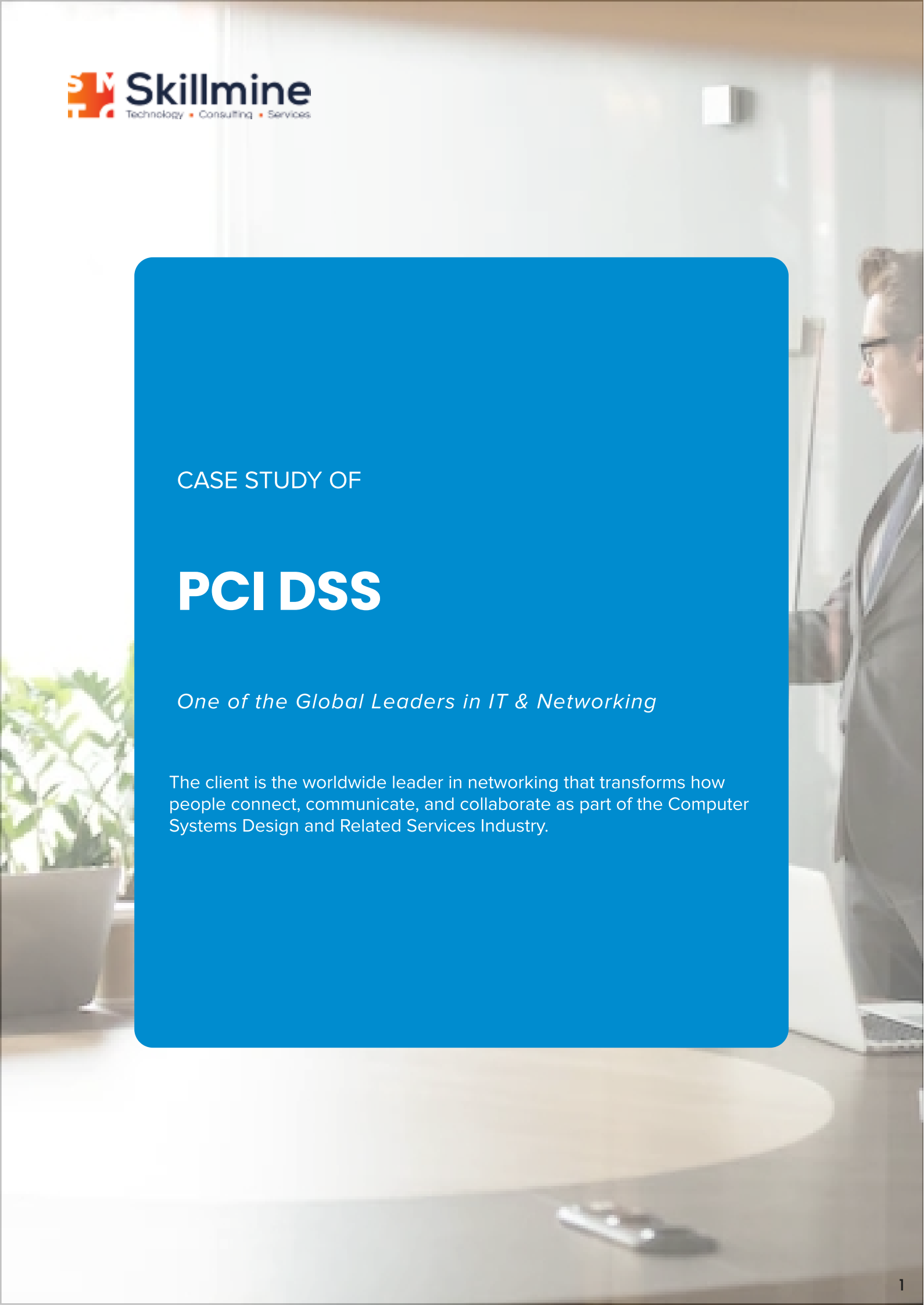
Skillmine
Technology • Consulting • Services



CASE STUDY OF

PCI DSS

One of the Global Leaders in IT & Networking

The client is the worldwide leader in networking that transforms how people connect, communicate, and collaborate as part of the Computer Systems Design and Related Services Industry.

Objective

- PCI DSS's purpose is to safeguard cardholder data wherever it is processed, stored, or transferred.
- The PCI DSS security controls and processes are critical for safeguarding cardholder account data, including the PAN (primary account number) displayed on the front of a payment card.
- PCI-compliant web hosting protects you and your clients from the risks of working with sensitive data over the internet.

Business Challenge

Failure to plan compliance efforts accurately.

- If firms are serious about compliance, they must take a targeted and complete strategy. Gaining a better understanding of data, its placement, and movement both within and outside the company is the first step in the compliance process.
- It then continues on to determining the appropriate controls to implement in order to safeguard the data you desire.

Organizations fail to consider compliance as a continuous process.

- It's not that businesses have decided to be non-compliant with the PCI-DSS; they just take their eyes off the ball accidentally in between compliance examinations (compliance audits happen every year).

Performance management challenges arise as a result of disparate systems.

- PCI-DSS compliance is built on 12 pillars, which are essentially a set of security rules that must be applied to achieve maximum compliance.
- This necessitates the implementation of a set of security solutions for risk mitigation, monitoring, and control.

A scarcity of qualified cybersecurity personnel, resulting in a lack of understanding of security concerns

- One of the most important cybersecurity concerns is a scarcity of expertise capable of managing and optimising an organization's cybersecurity infrastructure.

Compliance is not considered as part of the bigger cybersecurity paradigm while constructing a secure infrastructure.

- All PCI-DSS and other regulatory compliance requirements must be integrated into bigger security goals.
- They must handle the ever-increasing breadth of cybersecurity threats that your company may face. It cannot be handled in isolation; rather, it must be linked to this goal.

Skillmine Solution

- Create and manage a safe network.
- Put in place strict access controls.
- Safeguard the information of cardholders.
- Analyze and test networks on a regular basis.
- Keep a vulnerability manage--ment programme in place.
- Keep an information security policy in place.

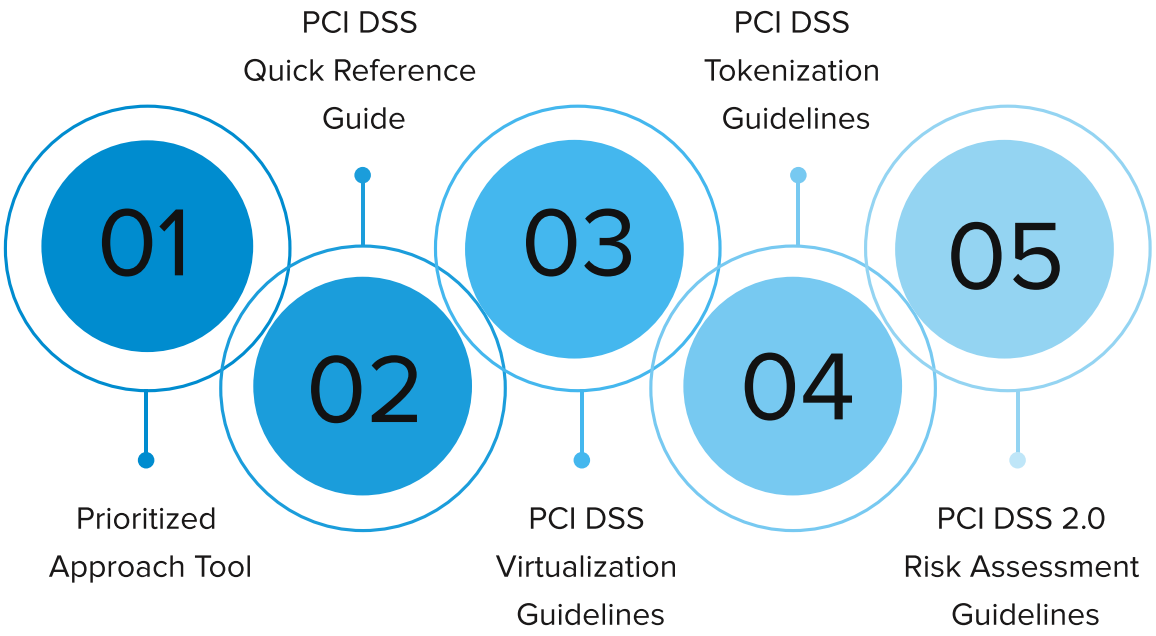
Execution

1. To secure cardholder data, set up and maintain a firewall setup.
2. For system passwords and other security settings, do not utilise vendor-supplied defaults.
3. Safeguard information on cardholders that has been saved.
4. Encrypt cardholder data transfer via open, public networks.
5. Anti-virus software or applications should be used and updated on a regular basis.
6. Secure systems and apps must be developed and maintained.
7. Access to cardholder data should be limited to those who have a business need to know.
8. Each person with computer access should be given a unique ID.
9. Physical access to cardholder data should be limited.
10. All access to network resources and cardholder data should be tracked and monitored.
11. Test security systems and processes on a regular basis.
12. Maintain a policy for all employees that covers information security.

Data Points

- Requirement 11.3 Penetration Testing.
- Requirement 6.6 Code Reviews and Application Firewalls Clarified.
- Navigating the PCI DSS - Understanding the Intent of the Requirements.
- PCI DSS Applicability in an EMV Environment
- The lifecycle for Changes to the PCI DSS and PA-DSS
- Guidance for PCI DSS Scoping and Segmentation

Capability & Competency



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