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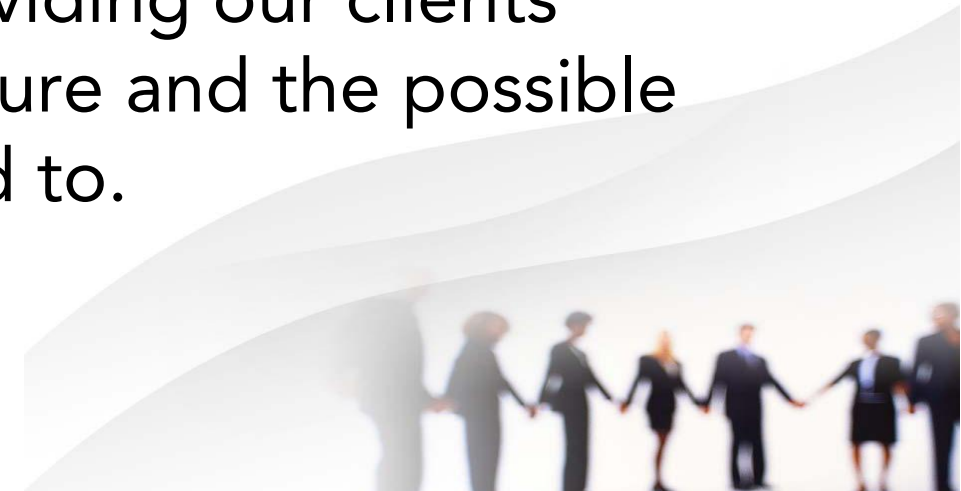


# Information Security Audit of one of biggest Manufacturing firm in India



# Net Square at a Glance

- Net Square has set itself the mission to be the partner of choice for Organizations that seek deep insights into the Network and Application Security.
- To address this challenge, Net Square has built great depth in both these key areas of Information Security.
- Our thoroughly researched methodologies and our knowledge of the latest attack vectors help us in providing our clients insights into the gaps in the security posture and the possible business risks the organization is exposed to.



# About our Client

- The manufacturing firm based out of India and having offices all over the country, approached Net Square for the purpose of performing serious and elaborate InfoSec audit for their IT infrastructure including their firewall, switches, IPs and web applications.
- The sole purpose behind this mission was to be compliant and to make sure that there are no gaps present in IT infrastructure. The firm required higher visibility to identify both infected devices within their plant, and suspicious user activity.
- While this firm already has security layers in place, their increasingly complex environment had recently opened new vulnerabilities.



# The Mandate

- Net Square started work via a kickoff meeting with stakeholders and informed how it is executed.
- A map of IT infrastructures to be part of the audit, was created and scope was defined in terms of what needs to be audited
- Senior management was informed about the audit dates and execution approaches.
- First the on-site testing was performed to check for loopholes in the internal infrastructure such as machines, devices and internal applications
- A detailed penetration test was performed to find vulnerabilities in terms of technology infrastructure and applications. Vulnerability assessment report was created as an outcome of the test.
- A detailed report mentioning areas such as switches and firewalls that failed with non-compliance, areas which exhibited adequate security and process following, and also the areas which were in-tact.



- The detailed report was read in front of the firm's senior management and IT staff to be on the same page and address and remove any disputes or discrepancies.
- Net Square analyst have performed multiple rounds of revalidation to support client's development team to patch all the findings and making sure all the vulnerabilities are patched.




# The Result

The result was a set of findings which provided insights into:

- How attacker could access users uploaded file due to Telnet based management is allowed over internet.
- Due to improper authentication policy, attacker could access critical resources of the organization.
- How attacker could compromise the application due to un-patched and vulnerable resources used in the application image file
- How Attacker could view, edit or update data of whole database as sql query were not handled properly



# The Engagement

- Net Square successfully conducted assessment covering process and technology dimensions of the firm's current security posture and reported it's observations as well as an actionable plan for improvement and remediation to strengthen the over all Cyber security strategy of the firm to meet business objective.
  - **After adopting Net Square Services, the firm were able to:**
    1. Manufacturing firm's senior management achieved their objective to be in compliance.
    2. Value addition was achieved by addressing vulnerabilities found during penetration test and acting on those. Best practices to be followed for the given business.
    3. Due to the insights provided by Net Square team to the Company, there were many important strategic initiatives taken by the Company to strengthen the complete security posture of the organization
    4. The company embarked a policy of yearly security testing initiative and again going to engage with Net Square's services for the same in financial year
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# The Trust

Net Square evokes trust from the experienced and senior IT professionals who manage and lead the team.



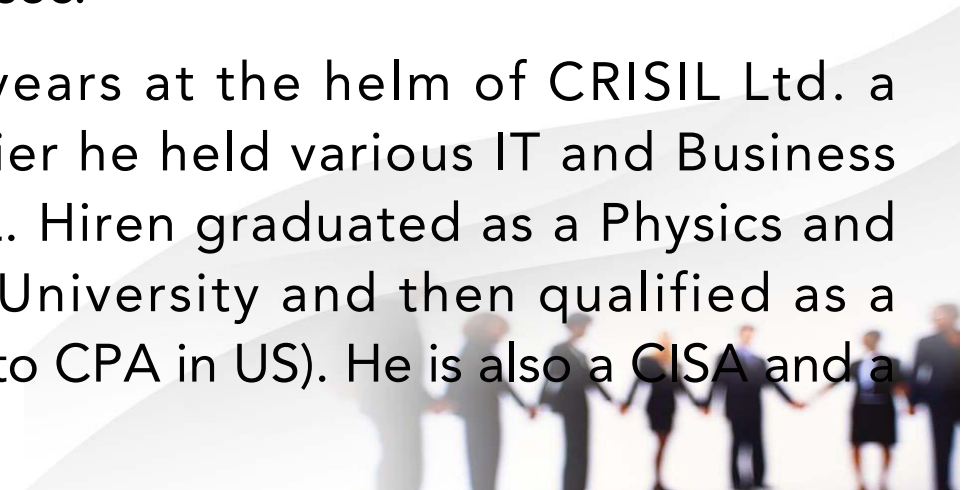
Hiren Shah- President)

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Hiren is President at Net Square and leads Client-Relationships, Business Development and also acts as a Mentor to the team. Hiren is a business cum technology leader with more than 20 years of experience in IT Governance, Management of IT Infrastructure, IT Risk and Information Security, Enterprise Architecture and Global Resource Management.

He is also a functional expert in financial services industry, specially capital markets and risk management. He has presented many papers at seminars on various aspects of Infosec.

Previously Hiren completed 8 years at the helm of CRISIL Ltd. a subsidiary of S&P as a CIO. Earlier he held various IT and Business Management positions at CRISIL. Hiren graduated as a Physics and Electronic major from Mumbai University and then qualified as a Chartered Accountant (Equivalent to CPA in US). He is also a CISA and a CGEIT.







Saumil Shah - CEO

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Saumil is the Founder and CEO of Net Square and leads the Delivery and R&D effort at the company. Saumil has more than ten years of experience in performing various ethical hacking exercises for many well known companies. Saumil has been a regular speaker and trainer at conferences such as Black Hat, RSA, Hack-in-the-Box, IT underground, CanSecWest, EuSecWest, Hack.Lu, etc.

Previously Saumil held the position of Director of Indian operations at FoundStone Inc. and a Senior Consultant with Ernst & Young. Saumil graduated from Purdue University with a Master's Degree in Computer Science and a strong Research background in Operating Systems, Networking, Information Security and Cryptography. He got his undergraduate degree in Computer Engineering from Gujarat University, India. Saumil is also a CISSP.

