



*“Approximately 70% of corporations reported a successful cyber attack in the past 12 months resulting in an average cost of \$3.5 million to the corporation.”*

## Why Do You Need a Penetration Test?

Penetration tests help identify vulnerabilities and provide mitigation solutions resulting in a lower attack surface and a more secure network. Penetration testing is also a critical requirement for meeting regulations such as: PCI DSS, SOX and HIPPA. It also ensures compliance with industry standards such as ISO 17799 and ISO 27001.

### Axxera Penetration Assessment

The Axxera Penetration assessment service is an in-depth review of the customer’s gateway entry points and its critical IT components including: firewalls, routers, switches, Wireless Access Points (WAP), web servers, database servers, and other application servers. An Axxera senior security consultant conducts a security assessment of the customer’s gateway architecture that includes:

- An external penetration study (from the Axxera penetration / assessment facility)
- An on-site assessment
- A review of critical components (firewall, routers, switches, and application servers)
- A review of current protective mechanisms (firewall rule sets, router access control lists, and authentication methodologies)
- A review whether the existing security perimeter is well defined and affords adequate protection

### Detailed Assessment Reports

Upon completion of the penetration test, the Axxera senior security consultant will provide a detailed report including:

- Specific identification of weakness (vulnerability), including both system-level vulnerabilities, as well as network architecture, topology, and protocol vulnerabilities that may weaken the security profile of the network or systems
- A description of each vulnerability
- An assessment of the level of risk created by each vulnerability
- Recommendations to mitigate risk created by each specific vulnerability
- Where applicable, recommendations to establish policies or procedures to prevent the recurrence of vulnerabilities.

\*Penetration testing performed by certified security professionals

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## Axxera Security Services

Axxera’s Security Professional Services core premise is that Information Security solutions should be based upon each client’s fundamental business models and processes. Axxera’s consultants work in collaboration with a client’s staff to determine both high level strategic threats to critical business assets, and specific technical vulnerabilities.