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Ethical Hacking and Ethical Hacking Ess			Exam 312-50 Certified Ethical Hacker			
Γ	LO#10: Exp	plain Differe	ent Types o			
L	_	n Testing and				
en a	ration Testing etration testing is a method of evaluated to find out vulnerabilities to	nat an attacker could exploit	formation system or netw			
It no	ot only points out vulnerabilities b results are delivered to executive	ut also documents how the	weaknesses can be explo	nsive report		
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Why do Penetration Testing?



- Identify the threats facing an organization's information
- Change or upgrade existing infrastructure of software,
- Reduce an organization's expenditure on IT security and enhance Return On Security Investment (ROSI) by identifying and remediating vulnerabilities or weaknesses
- hardware, or network design

Test and validate the efficacy of security protections and

- Provide assurance with a comprehensive assessment of organization's security including policy, procedure, design, and implementation
- Focus on high-severity vulnerabilities and emphasize application-level security issues to development teams and management
- Gain and maintain industry regulated certification (BS7799, HIPAA, or other regulations)
- Provide a comprehensive approach of preparation steps that can be taken to prevent future exploitation
- Adopt best practices in compliance with legal and industry regulations
- Evaluate the efficacy of network security devices such as firewalls, routers, and web servers

Comparing Security Audit, Vulnerability Assessment, and Penetration Testing



Security Audit



Checks whether the organization is following a set of standard security policies and procedures

Vulnerability Assessment

Focuses on discovering the vulnerabilities in the information system but provides no indication of whether the vulnerabilities can be exploited or the amount of damage that may result from their successful exploitation



Penetration Testing

A methodological approach to security assessment that encompasses the security audit and vulnerability assessment and demonstrates if the vulnerabilities in the system can be successfully exploited by attackers

Notes:			 	

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