Vskills CERTIFIED

www.vskills.in

Certified Network Security Professional VS-1082

Vskills Certifications

Vskills Brochure

Skills for a secure future

Certified Network Security Professional

Certification Code VS-1082

Vskills certification for Network Security Professional assesses the candidate for a company's network security needs. The certification tests the candidates on various areas in network security which includes knowledge of networking, cryptography, implementation and management of network security measures.

Why should one take this certification?

This Course is intended for professionals and graduates wanting to excel in their chosen areas. It is also well suited for those who are already working and would like to take certification for further career progression.

Earning Vskills Network Security Professional Certification can help candidate differentiate in today's competitive job market, broaden their employment opportunities by displaying their advanced skills, and result in higher earning potential.

Who will benefit from taking this certification?

Job seekers looking to find employment in IT or network security department of various companies, students generally wanting to improve their skill set and make their CV stronger and existing employees looking for a better role can prove their employers the value of their skills through this certification

Test Details

- **Duration:** 60 minutes
- **No. of questions:** 50
- **Maximum marks:** 50, Passing marks: 25 (50%)

There is no negative marking in this module.

Fee Structure

Rs. 3,499/- (Excludes taxes)*

*Fees may change without prior notice, please refer http://www.vskills.in for updated fees

Companies that hire Vskills Certified Network Security Professional

Network security professional are in great demand. Companies specializing in securing and implementation of computer networks are constantly hiring knowledgeable professionals. Various public and private companies also need network security professional for securing and managing their computer networks.

Table of Content

1. Networking Concepts
1.1 Basics of Communication Systems
1.2 LAN, MAN and WAN
1.3 Transmission Media, OSI and TCP/IP stack
1.4 Internet Protocol
1.5 Transport Layer
1.6 TCP/IP Applications

2. Security Concepts
2.1 Security Principles
2.2 Identification and Authentication
2.3 Attack Types
2.4 Social Engineering
2.5 Physical Security
2.6 Steganography

3. Security Planning and Policy
3.1 Security Planning
3.2 Security Policies and Guidelines

4. Security Models
4.1 Security Models
4.2 Trust Models
4.3 Access Controls

5. Cryptography
5.1 Evolution and Data Encryption Methods
5.2 Symmetric and Asymmetric Key Cryptography
5.3 Private and Public Key Exchange
5.4 Secret Key Cryptography
5.5 Message Authentication and Hash functions
5.6 Public Key Infrastructure
5.7 Electronic Signature

6. Hardware Security
6.1 Smart Card
6.2 Access Token
6.3 Biometrics

7. Router Hardening and ACL
7.1 Routing Process and Router Security
7.2 Create and Implement Access Control Lists (ACL)
7.3 Remove Unwanted Services and Router Logging

8. IDS
8.1 IDS Concepts and Types
8.2 Signature Detection and Log Analysis

9. Firewalls
9.1 Concept, Components and Types
9.2 Firewall Policy and Rule Sets
9.3 Proxy Server, Bastion Host, DMZ and Honeypot
9.4 Forefront TMG 2010 Server and iptables

10. Wireless Security
10.1 WAP and AP security
10.2 Wireless PKI
10.3 Wireless Security Solutions and Auditing

11. System Security
11.1 Desktop Security
11.2 Email Security
11.3 Web Security
11.4 VPN Types and Architecture

12. OS Security
12.1 OS Vulnerabilities, updates and patches
12.2 OS Integrity Checks
12.3 OS Hardening (Linux and Windows)
12.4 Trusted OS

13. Security Management
13.1 Network Management and SNMP
13.2 Incident Response
13.3 BCP and DR

14. Regulations and Compliance
14.1 Law and policies
14.2 IT Act, IPC and Copyright act
14.3 Privacy
14.4 Email policy

15. Web Security

15.1 Web Server Attacks
15.2 Web Application Attacks
15.3 Cloud Computing and Security
15.4 Identity Access Management

Sample Questions

1. The term TLS expands to _____.

A. Transport Level Security
B. Transport Layer Security
C. Transport Layer Setting
D. None of the above

2. The cipher in which each letter is replaced by another letter is called _____.

A. Transposition
B. Substitution
C. Hash convert
D. None of the above

3. The Diffie-Hellman algorithm is used for _____.

A. Key deletion
B. Key generation
C. Key exchange
D. None of the above

4. The term S/MIME refers to _____.

A. Secure/Multipurpose Internet Mail Extensions
B. Secure/Multipurpose Internet Media Extensions
C. Secure/Multipurpose Internet Multimedia Extensions
D. None of the above

5. The port used by HTTPS protocol is _____.

A. 443
B. 80
C. 21
D. None of the above

Answers: **1 (B), 2 (B), 3 (C), 4 (A), 5 (A)**

Certifications

Accounting, Banking and Finance
- Certified AML-KYC Compliance Officer
- Certified Business Accountant
- Certified Commercial Banker
- Certified Foreign Exchange Professional
- Certified GAAP Accounting Standards Professional
- Certified Financial Risk Management Professional
- Certified Merger and Acquisition Analyst
- Certified Tally 9.0 Professional
- Certified Treasury Market Professional
- Certified Wealth Manager

Big Data
- Certified Hadoop and Mapreduce Professional

Cloud Computing
- Certified Cloud Computing Professional

Design
- Certified Interior Designer

Digital Media
- Certified Social Media Marketing Professional
- Certified Inbound Marketing Professional
- Certified Digital Marketing Master

Foreign Trade
- Certified Export Import (Foreign Trade) Professional

Health, Nutrition and Well Being
- Certified Fitness Instructor

Hospitality
- Certified Restaurant Team Member (Hospitality)

Human Resources
- Certified HR Compensation Manager
- Certified HR Stafffing Manager
- Certified Human Resources Manager
- Certified Performance Appraisal Manager

Office Skills
- Certified Data Entry Operator
- Certified Office Administrator

Project Management
- Certified Project Management Professional

Real Estate
- Certified Real Estate Consultant

Marketing
- Certified Marketing Manager

Quality
- Certified Six Sigma Green Belt Professional
- Certified Six Sigma Black Belt Professional
- Certified TQM Professional

Logistics & Supply Chain Management
- Certified International Logistics Professional
- Certified Logistics & SCM Professional
- Certified Purchase Manager
- Certified Supply Chain Management Professional

Legal
- Certified IPR & Legal Manager
- Certified Labour Law Analyst
- Certified Business Law Analyst
- Certified Corporate Law Analyst

Information Technology
- Certified ASP.NET Programmer
- Certified Basic Network Support Professional
- Certified Business Intelligence Professional
- Certified Core Java Developer
- Certified E-commerce Professional
- Certified IT Support Professional
- Certified PHP Professional
- Certified Selenium Professional
- Certified SEO Professional
- Certified Software Quality Assurance Professional

Mobile Application Development
- Certified Android Apps Developer
- Certified iPhone Apps Developer

Security
- Certified Ethical Hacking and Security Professional
- Certified Network Security Professional

Management
- Certified Corporate Goverance Professional
- Certified Corporate Social Responsibility Professional

Life Skills
- Certified Business Communication Specialist
- Certified Public Relations Officer

Media
- Certified Advertising Manager
- Certified Advertising Sales Professional

Sales, BPO
- Certified Sales Manager
- Certified Telesales Executive

& many more job related certifications

Contact us at :

Vskills

011-473 44 723 or **info@vskills.in**

www.vskills.com