

Certified Internet of Things Security Professional VS-1225



Certified Internet of things Security Professional

Certification Code VS-1225

Vskills certification for Internet of Things Security Professional assesses the candidate as per the company's need for developing knowledge and awareness on Internet of Things.

The certification provides in-depth knowledge of IOT Systems, Technologies and its Security Architecture with the help of case studies and real-world applications.

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 Internet of Things 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 IoT Security departments 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

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Companies that hire Vskills Certified IoT Security Professional

Understanding of internet of things is in great demand. Companies specializing in automobile, energy, technology, consultancies or IT, analytics are constantly hiring skilled IoT security engineers. Various public and private companies also need IoT security engineers, to manage their IoT System.

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- 1.2 Case Study: Connected and Self-driving Vehicles
- 1.3 Case Study: Microgrids
- 1.4 Case Study: Smart City Drone Systems
- 1.5 IoT Hardware and Software
- 1.6 IoT Communication and Messaging Protocols
- 1.7 IoT Interfaces and Services

2. <u>An Introduction to IoT Security</u>

- 2.1 Threats, Vulnerabilities and Risks
- 2.2 Case Study: The Mirai Botnet Opens up Pandora's Box
- 2.3 Today's Attack Vectors
- 2.4 Current IoT Security Regulations
- 2.5 Current IoT Privacy Regulations
- 2.6 An Introduction to IoT Security Architectures

3. Conducting an IoT Threat Model

- 3.1 What is Threat Modeling
- 3.2 Identifying Assets
- 3.3 Creating a System Architecture
- 3.4 Documenting Threats
- 3.5 Rating Threats

4. <u>Deep Dive on Privacy</u>

- 4.1 IoT Privacy Concerns
- 4.2 Privacy by Design (PbD)
- 4.3 Conducting a Privacy Impact Assessment (PIA)
- 4.4 Case Study: The Connected Barbie

5. Securely Designing IoT Things and Systems

- 5.1 The Course Overview
- 5.2 Secure IoT System Design
- 5.3 Security System Integration for the IoT
- 5.4 Integrating Safety into the Design Process
- 5.5 Processes and Agreements
- 5.6 Technology Selection

6. Cryptographic Approaches for The IoT

- 6.1 Fundamentals of Cryptography
- 6.2 Cryptographic Modules
- 6.3 Cryptographic Key Management
- 6.4 Implementing Cryptography Within the IoT
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7. Identity and Access Management for The IoT

- 7.1 The Device Identity Lifecycle
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- 7.4 IAM Infrastructure
- 7.5 Authorization and Access Control
- 7.6 New Approaches: Applying Biometrics

8. Secure Connections to The Cloud

- 8.1 Introduction to Cloud Services for the IoT
- 8.2 Cloud Security Architecture Microsoft Azure
- 8.3 Cloud Security Architecture Amazon Web Services
- 8.4 Cloud Security Architecture IBM Watson IoT Platform

Sample Questions

1. Which markup language is used by NETCONF

- A. HTML
- B. XML
- C. SGML
- D. None of the above

2. What is referred as agent, in SNMP

- A. The managed device
- B. Software that runs on managed device
- C. Network management station
- D. None of the above

3. Which type of jobs are scheduled by Apache Oozie

- A. Directed graph
- B. Cyclic graph
- C. Directed Acyclic graph
- D. Acyclic graph

4. Which Apache Storm component can do some processing on input stream

- A. Bolt
- B. Spout
- C. Job
- D. None of the above

5. What refers to Amazon's storage engine, offered as cloud computing product

- A. Amazon S3
- B. Amazon EC2
- C. Amazon Cloudfront
- D. None of the above

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

Certified Internet of Things Security Professional

Certifications

- Accounting, Banking and Finance
 Certified AML-KYC Compliance Officer
 Certified Susiness Accountant
 Certified Commercial Banker
 Certified Foreign Exchange Professional
 Certified Financial Modelling Professional
 Certified Financial Modelling Professional
 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 Instructo

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 Master in Project Mangement
- 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 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 SEO Professional
 Certified Software Quality Assurance Professional

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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

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