



Certified DevOps Security Professional

Vskills Certifications

Vskills Brochure



Skills for a secure future

Certified DevOps Security Professional

DevOps security refers to the discipline and practice of safeguarding the entire DevOps environment through strategies, policies, processes, and technology. Security should be built into every part of the DevOps lifecycle, including inception, design, build, test, release, support, maintenance, and beyond.

Today, this type of "baked-in" DevOps security is often called DevSecOps, which aims to improve security through improved collaboration and shared the responsibility that overlays the entire DevOps workflow.

Why should one take this certification?

The certification is suitable for web developers, programmers and graduates wanting to excel in web application development areas. It is also well suited for those who are already working and would like to take certification for further career progression in web application development.

Earning Vskills DevOps 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 software development departments of various companies, students who want to learn DevOps Security.

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 DevOps Security Professional

Job seekers looking to find employment in 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.

DevOps Security professionals are employed in companies like Google, Flipkart, TCS & Cognizant.

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1. Integrate Security within DevOps

- 1.1 Integrate Security for a DevOps World
- 1.2 Risk Management in a Rapidly Changing World
- 1.3 Key Principles and Benefits of Secure DevOps
- 1.4 Business-Driven Security Strategies
- 1.5 OWASP Security Guidelines

2. Applying Shift Left Security Approach

- 2.1 Integrating Security Into CI/CD Pipeline
- 2.2 Automated Security Testing
- 2.3 Tools of the Trade
- 2.4 Red and Blue Teams

3. Securing Development Practices

- 3.1 Security Requirements
- 3.2 Architectural Considerations
- 3.3 Threat Modeling, Data Flow Diagrams, and Attack Surface
- 3.4 Identity and Access Management
- 3.5 Code Inspection
- 3.6 Environment Hardening

4. Security Verification in the Pipeline

- 4.1 What Is Static Application Security Testing?
- 4.2 Embed SAST into the CI/CD Pipeline
- 4.3 What Is Dynamic Application Security Testing?
- 4.4 Embed DAST Into the Pipeline
- 4.5 Runtime Application Self-Protection (RASP) versus Interactive Application Security Testing (IAST)
- 4.6 Software Composition Analysis

5. Deploy Secure Software

- 5.1 Infrastructure as Code
- 5.2 Key Management and Identity Management
- 5.3 Chaos Monkey and Fuzz Testing

6. Security in System Monitoring

- 6.1 Security Monitoring
- 6.2 Governance, Risk, Compliance and Audit
- 6.3 Incident Response and Forensics

Certifications

- ▶ **Accounting, Banking & Finance**
 - Certified GST Professional
 - Certified AML-KYC Compliance Officer
 - Certified Business Accountant
 - Certified BASEL III Professional
 - Certified GAAP Accounting Standards Professional
 - Certified Treasury Markets Professional
- ▶ **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 Professional
- ▶ **Foreign Trade**
 - Certified Export Import (Foreign Trade) Professional
- ▶ **Health, Nutrition and Well Being**
 - Certified Fitness Instructor
- ▶ **Hospitality**
 - Certified Restaurant Team Member (Hospitality)
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 - Certified HR Staffing Manager
 - Certified Human Resources Manager
 - Certified Performance Appraisal Manager
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 - Certified Data Entry Operator
 - Certified Office Administrator
- ▶ **Project Management**
 - Certified Master in Project Management
 - Certified Scrum Specialist
- ▶ **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
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 - Certified Logistics & SCM Professional
 - Certified Supply Chain Management Professional
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 - Certified IPR & Legal Manager
 - Certified Labour Law Analyst
 - Certified Business Law Analyst
 - Certified Corporate Law Analyst
- ▶ **Information Technology**
 - Certified Angular JS Professional
 - 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
- ▶ **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 Governance Professional
 - Certified Corporate Social Responsibility Professional
 - Certified Leadership Skills 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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