

# DevSecOps Essentials **EXAM BLUEPRINT**





# DevSecOps Essentials

## Exam Blueprint

S.No	Domains	Sub Domains	Domain %
1	Application Development Concepts	History of Application Development	16
		Evolution of Application Development Methodologies	
		Introduction to Application Architectures	
		Introduction to the Application Development Lifecycle	
		Application Testing and Quality Assurance	
		Application Monitoring, Maintenance and Support	
2	Application Security Fundamentals	What is Secure Application Development	20
		Need for Application Security	
		Common Application Security Risks and Threats	
		OWASP Top 10	
		Application Security Techniques	
		Secure Design Principles	
		Threat Modeling	
		Secure Coding	
		Secure Code Review	
		SAST and DAST Testing	
		Secure Configurations	
		Educating Developers	
		Role of Risk Management in Secure Development	
		Project Management Role in Secure Application Development	
3	Introduction to Devops	Introduction to DevOps	4
		DevOps Principles	
		DevOps Pipelines	
		DevOps and Project Management	
4	Introduction to Devsecops	Understanding DevSecOps	8
		DevOps vs. DevSecOps	

		DevSecOps Principles	
		DevSecOps Culture	
		Shift-Left Security	
		DevSecOps Pipelines	
		Pillars of DevSecOps	
		DevSecOps Benefits and Challenges	
5	Introduction to Devsecops Management Tools	Project Management Tools	8
		Integrated Development Environment (IDE) Tools	
		Source-code Management Tools	
		Build Tools	
		Continuous Testing Tools	
6	Introduction to Devsecops Code and CI/CD Tools	Continuous Integration Tools	8
		Infrastructure as Code Tools	
		Configuration Management Tools	
		Continuous Monitoring Tools	
7	Introduction to Devsecops Pipelines	Role of DevSecOps in the CI/CD Pipeline	8
		DevSecOps Tools	
		Embracing the DevSecOps Lifecycle	
		DevSecOps Ecosystem	
		Key Elements of the DevSecOps Pipeline	
		Integrating Security into the DevOps Pipeline	
8	Introduction to Devsecops CI/CD Testing and Assessments	Implementing Security into the CI/CD Pipeline and Security Controls	12
		Continuous Security in DevSecOps with Security as Code	
		Continuous Application Testing for CI/CD Pipeline Security	
		Application Assessments and Penetration Testing	
9	Implementing Devsecops Testing & Threat Modeling	Integrating Security Threat Modeling in Plan Stage	8
		Integrating Secure Coding in Code Stage	
		Integrating SAST, DAST and IAST in Build and Test Stage	
		Integrating RASP and VAPT in Release and Deploy Stage	
10	Implementing Devsecops Monitoring and Feedback	Integrating Infrastructure as Code (IaC)	8
		Integrating Configuration Orchestration	
		Integrating Security in Operate and Monitor Stage	
		Integrating Compliance as Code (CaC)	
		Integrating Logging, Monitoring, and Alerting	
		Integrating Continuous Feedback Loop	
		<b>Total</b>	<b>100</b>