

DevSecOps Quick Start Checklist

Empower Your Team to Build Secure Software,
Every Step of the Way

1. FOSTER A SECURITY-FIRST CULTURE

- ☐ Train development, security, and operations teams on shared DevSecOps responsibilities
- ☐ Encourage open communication and collaboration between all stakeholders
- ☐ Embed security goals into team objectives and performance metrics

2. INTEGRATE SECURITY EARLY IN PLANNING

- ☐ Engage security experts during project kick-offs and architecture design
- ☐ Perform comprehensive threat modeling to anticipate vulnerabilities
- ☐ Define clear, measurable security requirements alongside functional specs

3. AUTOMATE SECURITY DURING CODE DEVELOPMENT

- ☐ Implement automated static and dynamic code analysis tools integrated with CI pipelines
- ☐ Enforce secure coding standards and regular peer code reviews
- ☐ Scan for risks in third-party libraries and dependencies continuously

4. SHIFT SECURITY LEFT IN TESTING

- ☐ Incorporate penetration testing and vulnerability scanning into build pipelines
- ☐ Use automated security tests alongside functional testing
- ☐ Analyze and remediate security findings iteratively per sprint or release cycle

5. SECURE DEPLOYMENT AND OPERATIONS

- ☐ Automate secure infrastructure provisioning using IaC (Infrastructure as Code) tools
- ☐ Use secret management solutions for credentials and sensitive data handling
- ☐ Continuously monitor production environments for threats and anomalies
- ☐ Establish incident response protocols with clear escalation paths

6. CONTINUOUS IMPROVEMENT AND COMPLIANCE

- ☐ Schedule regular security audits and compliance checks
- ☐ Update security controls based on industry trends and emerging threats
- ☐ Conduct ongoing team training and awareness programs about cybersecurity best practices
- ☐ Document security processes and maintain artifacts for regulatory requirements

BONUS TIP: TOOLS & PRACTICES TO CONSIDER

- ☐ Static Application Security Testing (SAST) tools like SonarQube, Checkmarx
- ☐ Dynamic Application Security Testing (DAST) tools like OWASP ZAP, Burp Suite
- ☐ Container & cloud security scanning with tools such as Aqua Security, Twistlock
- ☐ CI/CD security plugins for Jenkins, GitLab, or GitHub Actions
- ☐ Automated compliance tools aligned to GDPR, HIPAA, PCI-DSS, etc.

Begin your journey to Secured DevOps today!

We help businesses embed security, accelerate delivery, and foster trust.

NAKS Digital Consulting-
naksconsulting.com/contact-us



Scan to read more