



Transform Your Software Development

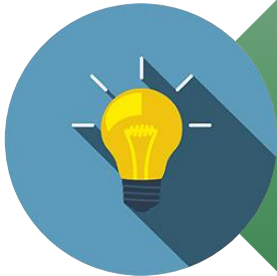
Agenda

- Background
- Challenges organization face
- The rise of DevSecOps
- Key Benefits of Using DevSecOps
- Why Netwoven?
- Netwoven Approach
- Customer Success Story
- Next Steps

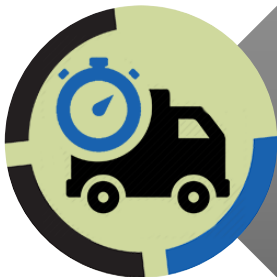
Background



Global software development is a \$500 billion industry and growing



In an era of rapid innovation, maintaining secure, efficient, and scalable development environments is critical.



The complexity of modern software development presents significant challenges, including security vulnerabilities, compliance requirements, and global team collaboration.

Background

23,000+ New
Vulnerabilities in
2023

70% of Organizations
report having
security exceptions
for legacy systems

Average Data Breach
costs about \$4.35
Million

45% Higher Risk in
Legacy Systems

Challenges Organizations Face



Hardware and Software Compatibility Issues

- Laptops with limited hardware specifications struggle to handle complex development tasks
- Compatibility issues arise when supporting multiple software versions and legacy components



Security Risks

- Developers require security exceptions to run legacy software, increasing vulnerability risks
- Corporate laptops generally have wide-open access to larger network, lacking appropriate security isolation commiserate with risky development activities



Operational Inefficiency

- Manual setup and maintenance of development environments lead to inefficiency and delays
- Lack of standardization and automation complicates developer onboarding and environment management

The Rise of DevSecOps

- **Integration of Security into Development:**
 - DevSecOps integrates security practices into every stage of development, ensuring vulnerabilities are addressed early.
- **Automation and Continuous Monitoring:**
 - Modern tools enable continuous integration/continuous deployment (CI/CD) pipelines that automate security checks and ensure compliance.
- **Scalability:**
 - Modern DevSecOps practices support global teams by enabling scalable, consistent environments across multiple regions.
- **Developer Environment Automation:**
 - Incorporating developer environment automation into your CI/CD process can generate efficiencies, reduce onboarding times, and allow developers to focus on coding and value creation

DevSecOps

(Enhancing Software Security from Development to Deployment)

- DevSecOps is the practice of integrating security into every phase of the software development lifecycle, making it a shared responsibility among developers, security teams, and operations.
- Key Concept: "Shift Left" - Incorporating security early and continuously throughout the development process.

Key Principals

Security as Code: Embedding security policies, controls, and checks into the development pipeline.

Automation: Automated security testing, vulnerability scanning, and compliance checks.

Collaboration: Cross-functional teams work together to ensure security is part of the culture.

Continuous Monitoring: Ongoing assessment and improvement of security postures.

Key Benefits

•**Early Detection:** Identifying and fixing vulnerabilities early in the development process.

•**Improved Security Posture:** Continuous monitoring and automated testing enhance overall security.

•**Faster Delivery:** Integrating security practices reduces delays and speeds up the deployment cycle.

•**Cost Efficiency:** Addressing security issues early reduces the cost of remediation.

•**Compliance:** Easier adherence to regulatory and compliance requirements through automated checks.

Key Benefits of Using DevSecOps

Security Improvements

Significant Reduction in Security Exceptions

Enhanced Management

Operational Efficiency

Standardized Processes

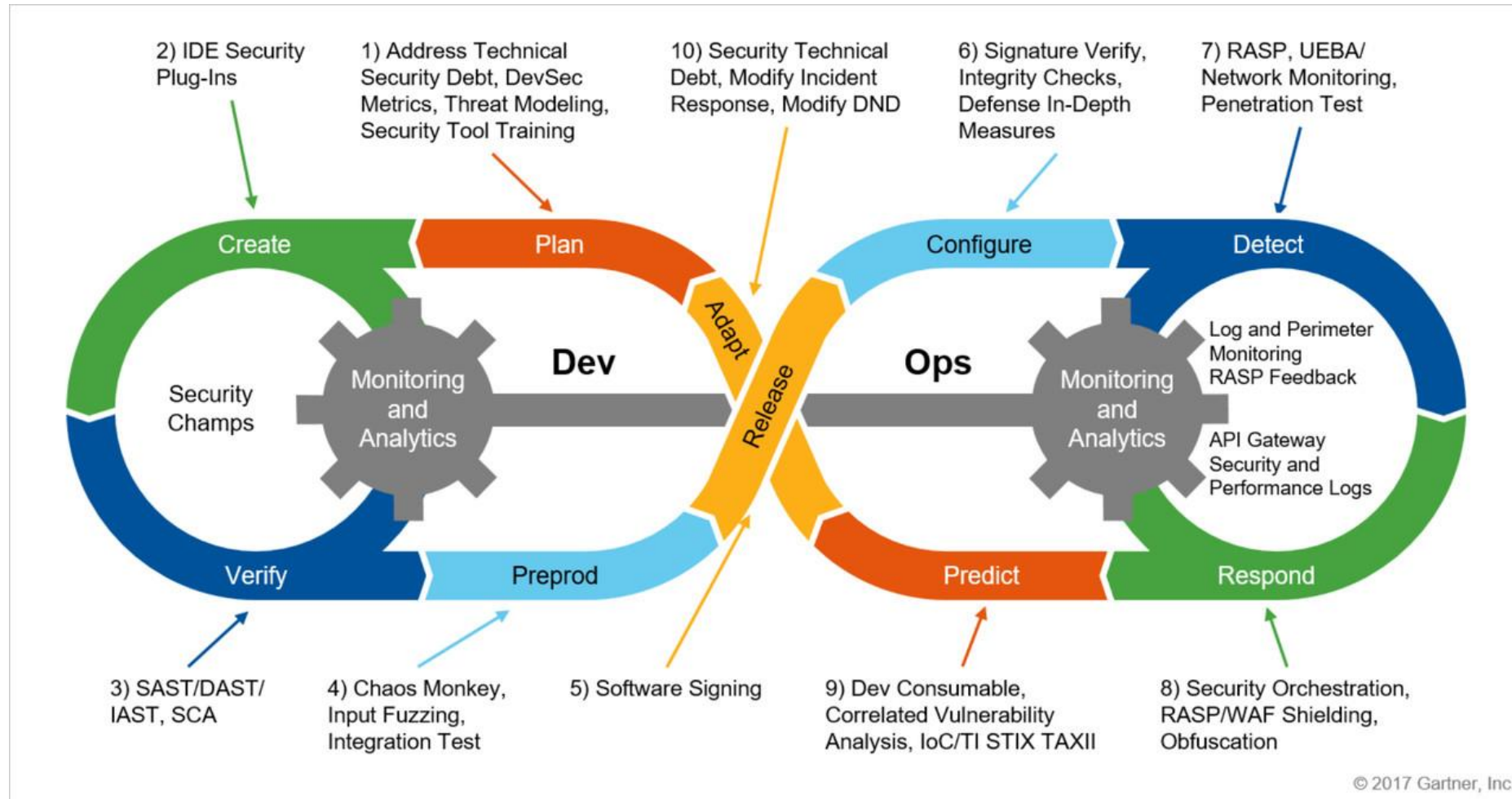
Faster Onboarding

Strategic Planning

Clear Roadmap

Proof-of-Concept Validation

DevSecOps Process Overview



Why Netwoven?

- Delivering DevSecOps requires expertise in both application development and security
- Netwoven has extensive experience in both Application and Security and as a result is uniquely positioned to help deliver DevSecOps related services
- Netwoven offers a blended model between USA and India resources that provides good value to customers with no compromises
- Netwoven works with Microsoft and is able to take advantage of any Microsoft investments available for the customer to help with the initiative.

Netwoven's DevSecOps Services

- **Comprehensive Security Integration:**
 - Integrate security practices throughout the DevOps lifecycle, ensuring that all code is developed, tested, and deployed with security in mind from the outset.
- **Automated Vulnerability Scanning & Remediation:**
 - Leverage automated tools to identify and address vulnerabilities early in the development process, reducing the risk of security breaches in production.
- **Continuous Compliance Monitoring:**
 - Ensure your applications and infrastructure comply with industry standards (like ISO 27001, SOC 2) through continuous monitoring and automated compliance checks.
- **Infrastructure as Code (IaC) Security:**
 - Secure your infrastructure by treating it as code, using IaC tools to enforce security policies and automate configuration management.
- **Expert Guidance and Support:**
 - Our team of experts provides guidance on best practices, helping your organization navigate complex security challenges and stay ahead of potential threats.

Netwoven Approach



- Understand the unique challenges and objectives of the development environment.
- Conduct comprehensive assessments across business units to capture detailed requirements and identify pain points.

- Leverage insights to design tailored solutions that align with your specific security, compliance, and operational needs.
- Propose DevSecOps best practices and tools to enhance security, automation, and efficiency.
- Perform product selection for the right DevSecOps products

- Implement targeted POCs to validate the solution's impact in real-world scenarios.
- Gather feedback and refine the solution based on the outcomes of the pilot phase.

- Provide end-to-end support for the rollout with template customization, network security configurations, and team onboarding.
- Ensure a seamless transition with detailed training, documentation, and knowledge transfer sessions.

- Establish a framework for continuous monitoring and improvement, ensuring the solution evolves with your business needs.
- Regularly review performance metrics and security outcomes to adapt and optimize the environment.

Customer Success Story

Streamlining Development for a Leading Semiconductor Manufacturer

Challenge:

- **Complex Environments:** Diverse tech stacks, legacy systems, and global teams.
- **Security Risks:** Frequent security exceptions for legacy software, leading to vulnerabilities.
- **Operational Inefficiencies:** Developer productivity hindered by hardware limitations and slow onboarding.

Solution:

- **Microsoft Dev Box Adoption:** Standardized, pre-configured environments tailored to team needs.
- **Enhanced Security:** Network isolation and automated vulnerability scanning reduced security risks.
- **Global Scalability:** Efficient collaboration across regions, ensuring consistent development operations.

Results:

- **40% Faster Setup:** Reduced environment setup time, increasing productivity.
- **70% Fewer Security Exceptions:** Improved security posture by containing risks within isolated environments.
- **Cost Efficiency:** Streamlined processes, reducing operational costs and enhancing resource utilization.

Impact: Set a new benchmark for modernizing development in the semiconductor industry, enhancing both security and productivity.

Let Netwoven Drive Your Success



At Netwoven, we specialize in transforming business processes and IT systems with our expertise in Microsoft technologies. Our cost-effective solutions are designed with a focus on security, efficiency, and high-quality delivery. Partner with us to unlock the full potential of your software development environments and achieve unparalleled productivity and security.

Contact Us Today!

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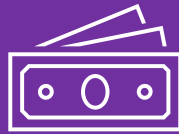
Transform your developer environments with Netwoven Inc. – where innovation meets security and efficiency. Let's build the future together!

Our Promise To You



SECURE

All our solutions have infrastructure & application security as top of mind



COST EFFECTIVE

Our cost-effective solutions are delivered using a proven methodology with a global delivery model & reusable assets



HIGH QUALITY

Projects are delivered by certified individuals with direct access to Microsoft product teams



ADOPTED BY USERS

Large library of training, and change management content for ongoing project support



**THANK YOU
FOR YOUR
TIME TODAY**



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