

DevSecOps QuickStart

Offer Brochure

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INTRODUCTION

DevSecOps, which stands for Development, Security, and Operations, is a software development methodology that aims to integrate security practices into the software development process. The benefits of DevSecOps include:

1. Improved security: DevSecOps ensures that security is integrated into every step of the development process, making it easier to identify and fix vulnerabilities early on, rather than waiting until after the product is released.
2. Faster time to market: DevSecOps allows for more frequent releases and faster development cycles, without sacrificing security. This is because security is built into the process from the beginning, rather than being added as an afterthought.
3. Increased collaboration: DevSecOps encourages collaboration between developers, security professionals, and operations teams. This collaboration helps to ensure that everyone is on the same page and working towards the same goal, which can lead to better products and faster development cycles.
4. Better compliance: DevSecOps makes it easier to comply with regulatory requirements and industry standards, such as GDPR or HIPAA, by building security into the development process.
5. Cost savings: DevSecOps can help organizations save money by reducing the number of security incidents and vulnerabilities that need to be addressed after a product is released. This can also lead to a reduction in downtime and maintenance costs.



THE OFFER

This offer is ideally suited to organisations that would like to start using DevOps to increase quality and reduce time to market, or for those already using DevOps but that have a pressing need to start to build a security culture and improve the security posture of the organisation.

The engagement focusses on introducing the capability for a single application, but the principles can then easily be extended across the organisation.

The engagement starts with a kick-off meeting where a Jumar Microsoft Certified DevOps Engineer Expert will present the 12 key practices of Microsoft's Secure Development Lifecycle to provide a solid foundation for future this engagement, but also to inform other areas where the client may wish to develop capability or take further action.

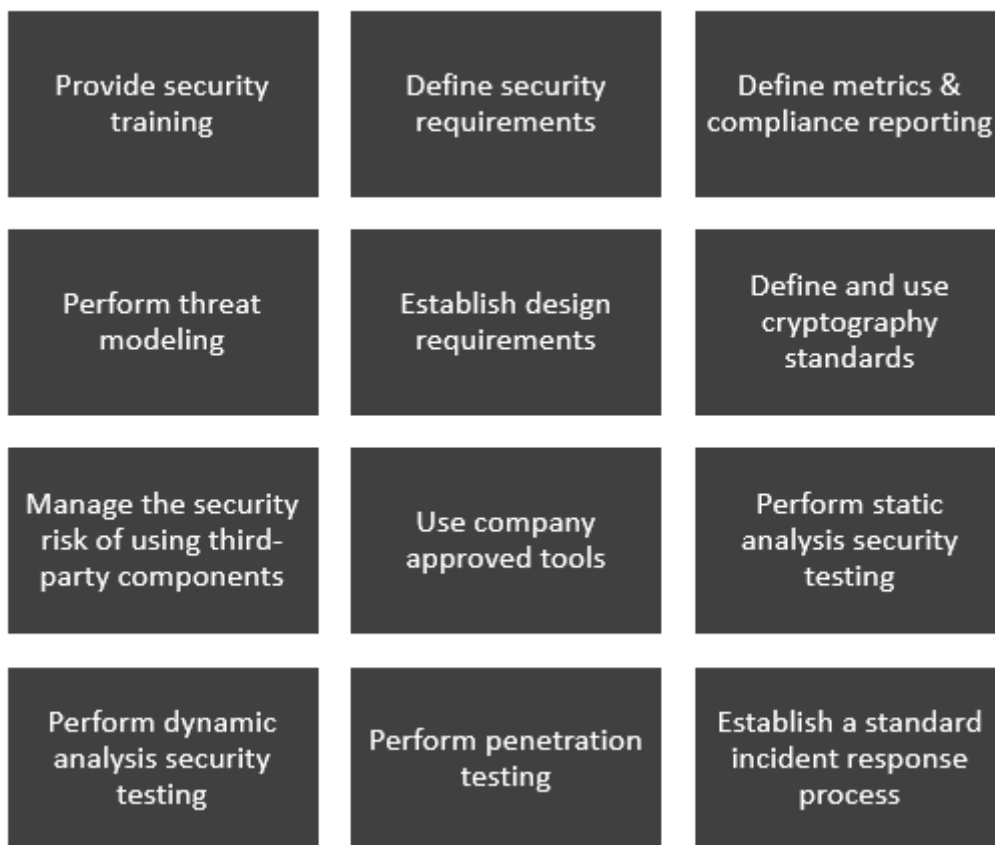


Figure 1 - Secure Development Lifecycle Practices

This is followed by a workshop where the application team presents the application, key components, and hosting arrangements.

The Jumar DevOps Engineer will provide an overview of Azure Pipelines or GitHub action (if necessary) and will explain how to implement the three main SDL practices that shift left in CI/CD processes:

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- Software Composition Analysis
- Static Application Security Testing
- Dynamic Application Security Testing

The output of the workshop will be a backlog of features and stories to implement these improvements for the application in question. These features will then be implemented to provide fully working DevSecOps pipelines for the application.

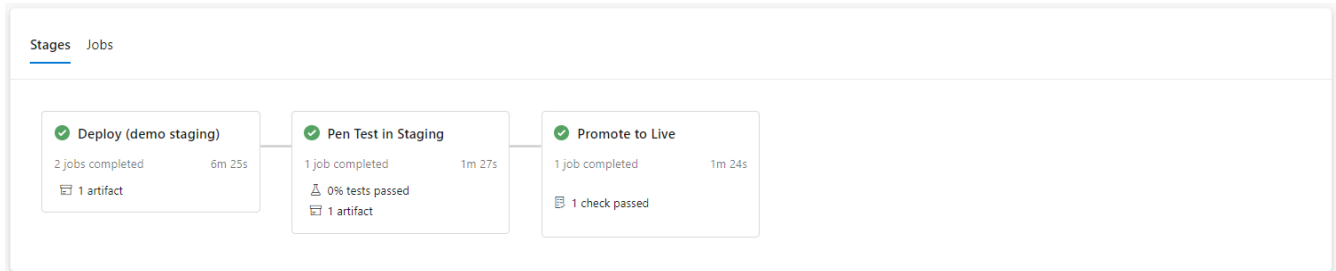


Figure 2 - Azure DevOps Pipeline with Dynamic Security Test

ZAP Scanning Report

Site: <https://moon-uks-demo-app-admin-staging.azurewebsites.net>

Generated on Wed, 1 Mar 2023 18:17:29

Summary of Alerts

Risk Level	Number of Alerts
High	0
Medium	2
Low	4
Informational	4
False Positives:	0

Alerts

Name	Risk Level	Number of Instances
Content Security Policy (CSP) Header Not Set	Medium	4
Missing Anti-clickjacking Header	Medium	4
Dangerous JS Functions	Low	1
Permissions Policy Header Not Set	Low	7
Strict-Transport-Security Header Not Set	Low	8
X-Content-Type-Options Header Missing	Low	8
Information Disclosure - Suspicious Comments	Informational	2
Modern Web Application	Informational	4
Re-examine Cache-control Directives	Informational	4
Storable and Cacheable Content	Informational	8

Figure 3 - Dynamic Security Test Report



COMPLEMENTARY OFFERS

Jumar has an ever-growing portfolio of offers that help with every aspect of Azure Adoption. Some of these services may be complementary to the DevSecOps QuickStart or may indeed be more appropriate for you at this time.



Well-Architected Review expert assessment of your Azure Cloud infrastructure for a single workload with personalised recommendations for a structured approach to optimising it.

Landing Zone QuickStart establishes a secure and robust foundation for your Azure deployments.

Security Review calculates a baseline secure score, receive relevant and actional security recommendations.

DevOps Capability Assessment understands current capabilities across the entire release lifecycle and quickly

identifies opportunities for improvement.

Developer Velocity Assessment An assessment of an application team performance and recommendations to improve developer velocity.

Security Quickstart ...

Finally, of course, if you have a requirement that is covered by our offer portfolio, then just get in touch and we would be happy to design a bespoke service to your specifications.



OUR CREDENTIALS

Jumar is a UK-based digital specialist delivering large and small IT projects both at home and globally. We have worked hard to embody our company culture in a set of core values that we can confidently stand behind. We always put collaboration at the core of our four values: integrity, empowerment, innovation and passion – and we believe this has been key to our success and growth over more than 20 years.



We are a Microsoft Solution Partner for Digital and Application Innovation on Azure. This accreditation demonstrates our broad capability to help customers build, run, and manage applications across multiple clouds, on premises, and at the edge, with the tools and frameworks of the customer's choice. It also attests to our commitment to training and accreditation, and that we have delivered solutions that directly resulted in customer success.

The engagement will be led by a Microsoft Certified DevOps Engineer Expert, with appropriately certified consultants engaged depending on the supplementary skills required to meet your specific needs.



At Jumar, we are very proud that we have managed to assemble this offer that brings excellent tooling and high-skilled Azure consultants together at a price point that makes it accessible for a wide range of customers both large and small.