



Kyndryl DevSecOps Consultancy

Automate to accelerate, improve, and innovate

DevSecOps offers your organisation an approach to automate the integration of security at each phase of the software development lifecycle. Typical benefits of DevOps also include improved business processes and increased pace of application development and business innovation.

Kyndryl™ DevSecOps Consulting defines the standard methodology, reviews processes, designs, offers implementation guidance and specifies test processes with acceptance criteria in driving DevSecOps related activities within an organisation. Kyndryl consultants work closely with the customer's developers and operations/automation engineers to drive efficiency and efficacy of the application and environment builds through an industry standard process.

Security concerns hold organisations back on the journey to digital

Implementing true DevSecOps is difficult and cumbersome. Embedding security practices and continuously eliminating security vulnerabilities with the velocity of development and operations is limiting the digitisation and architecture modernisation journey of the organization. Many architectures are complicated and modernising them to adopt current technologies requires significant security practices to be embedded during development processes.

Kyndryl DevSecOps Consulting can help the organisation understand current challenges and pave the way to modern architectures, all while ensuring security practices are embedded at every stage of development and operations using a zero trust approach.



Key business needs

- Optimise business processes
- Support innovation
- Improve security and compliance
- Increase remote collaboration
- Improve customer experience



What's standing in the way?

- Lack of skills and infrastructure
- Need for day-to-day management
- Competition
- Globalisation
- New business models



Kyndryl offers DevSecOps as a service

The service provides a seamless management of services across a wide range of hosting platforms and DevOps tools, as well as:

- **Deployment of services** using highly automated and repeatable models to minimise time and effort
- **Flexibility** of re-using the current investment in DevOps toolchain
- **Lower cost** by leveraging a shared management services team
- **Compliance with regulatory** requirements such as PCI, FFIEC, HIPPA, GDPR, SOC 1 & 2
- **End-to-end support** for build and manage phases, with assistance in the design phase
- **Commitment** to standard services SLO's

DevSecOps CI pipeline templates

A secure-by-design templated approach provides a continuous integration for application builds. The CI pipeline templates encompasses build, test, publish and incorporating quality gate checks through linting, vulnerability and compliance scans, and OSS checks.

Dynamic pipeline creation with embedded security

Automated generation of pipelines using with modifiable stages and security rule invocations enable minimalistic code changes and adherence to industry standards.

Automation and infrastructure as code

The principle of automate-first is at the core of the offering. Based on the maturity assessment, automation is applied in a phased approach to ensure the organisation is ready to adopt by maturing the organisational processes.

Containerised implementation

Highly skilled consultants work with the development teams to modernise applications by containerisation and deploy on container platform environments, such as Red Hat® OpenShift®, Microsoft® Azure, AWS, and GCP. Kyndryl provides certified containers for building various services. These certified containers meet enterprise security and industry standard criteria for packaging and deployment of containerized software.





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Features

1. Discovery Workshop for requirement gathering
2. Assessment of SDLC practices, complexity, and tools for best practice
3. Audit of infrastructure and software delivery processes
4. DevSecOps assessment reports
5. DevSecOps implementation roadmap, 30/60/90 day plans
6. DevSecOps CI pipeline templates
7. Dynamic pipeline creation with embedded security
8. Automation and infrastructure as code
9. Containerised implementation



Benefits

1. Rapid engagement with the development and operations team to build and enhance the existing DevSecOps practices with full transparency, rather than starting from scratch
2. Embeds site reliability engineer roles within the Dev and Ops team to bring stability to production systems with continuous quality improvement
3. Significantly decreases application workloads time to market
4. Helps modernise workloads to reduce technical debt through increased adoption of cloud native services and microservices
5. Understand the as-is state and uncover bottlenecks
6. Introduce security early and integrate security into every stage of the SDLC
7. Increase effectiveness of SDLC by bridging the gap between development and security
8. Reduce costs by mitigating vulnerabilities and risks early in the SDLC
9. Compliant to regulatory requirements such as PCI, FFIEC, HIPPA, GDPR, SOC 1 & 2Continuous business planning, feedback, and delivery with scaled agile framework reliably increases speed and reduces time to market
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Why Kyndryl?

We work side by side with our customers to design, build, manage, and modernise the vital technology systems that the world depends on every day. With more than 30 years of IT services experience, 90,000+ skilled practitioners worldwide, and strategic alliances with industry-leading partners, Kyndryl is uniquely positioned to innovate at scale while delivering exceptional outcomes for our customers.



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