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**DEVOPS
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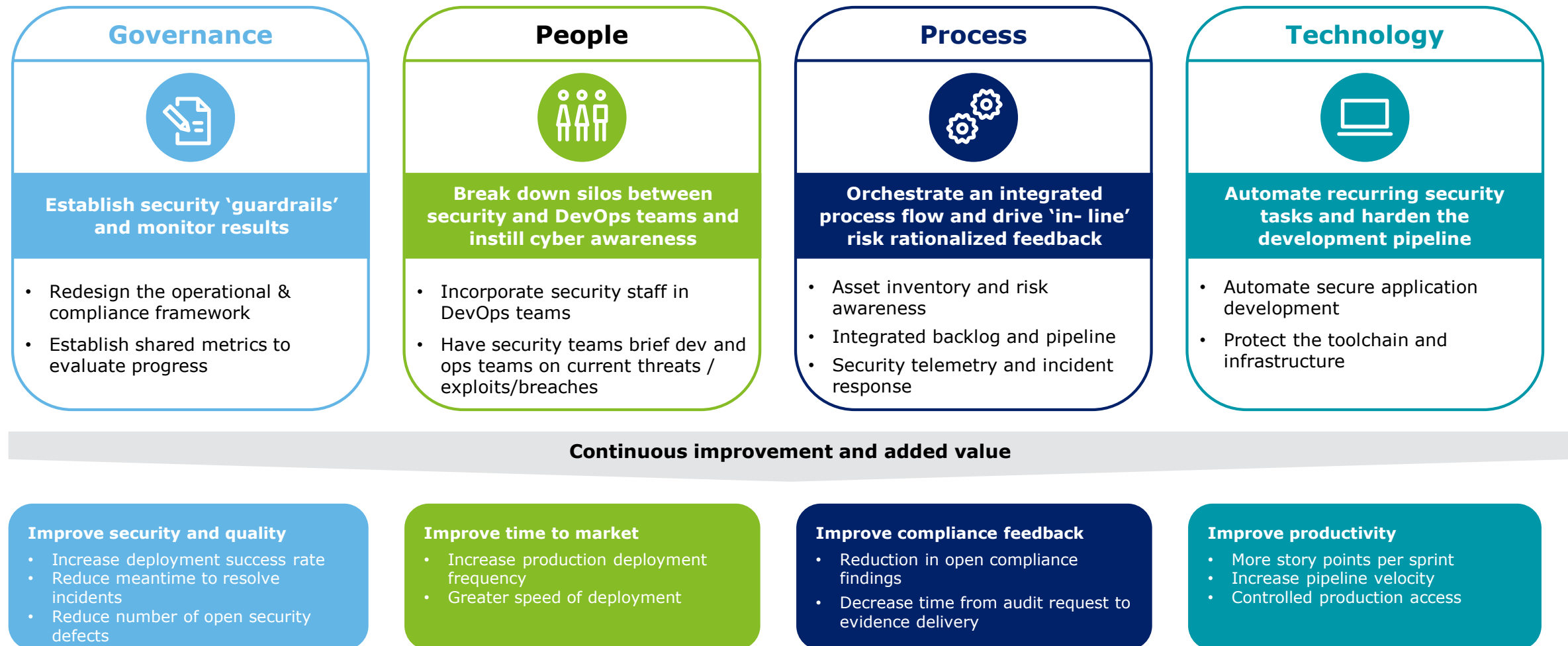
DevSecOps

Embedded Security Within the
Hyper Agile Speed of DevOps

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What is DevSecOps?

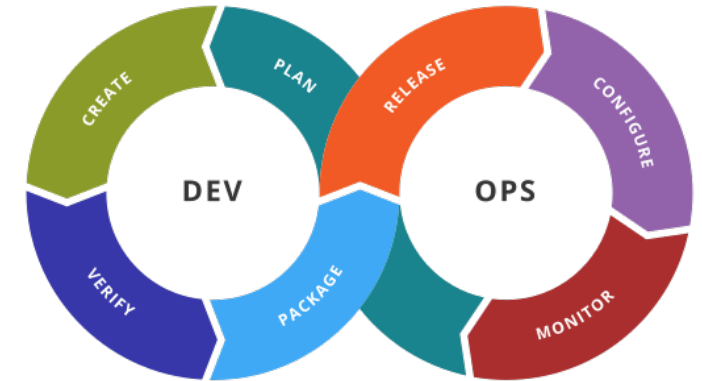
A transformational shift which incorporates secure culture, practices, and tools to drive visibility, collaboration, and agility of security into each phase of the DevOps pipeline



From DevOps to DevSecOps

What is DevOps?

A set of practices that automates the processes between development and operation teams to build, test, and release software quickly and reliably



Why security in DevOps?

- The ability to deploy applications has improved in both scale and speed while security considerations are often overlooked in favor of meeting business demands quickly
- Given the reliance of applications to keep operations running; security in the development process cannot be an afterthought
- Application security must speed up to keep pace with operations

How can we bring security into DevOps?

- Tightly integrate security tools and processes throughout the DevOps pipeline
- Automate core security tasks by embedding security controls early on in the software development lifecycle
- Continuous monitoring and remediation of security defects across the application lifecycle including development and maintenance



Continuous security

DevSecOps implements the 'secure by design' principle by using automated security review of code and automated application security testing



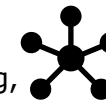
Increased efficiency & product quality

Security issues are detected and remediated during development phases which increases the speed of delivery and enhances quality



Enhanced compliance

In DevSecOps, security auditing, monitoring, and notification systems are automated and continuously monitored, which facilitates enhanced compliance

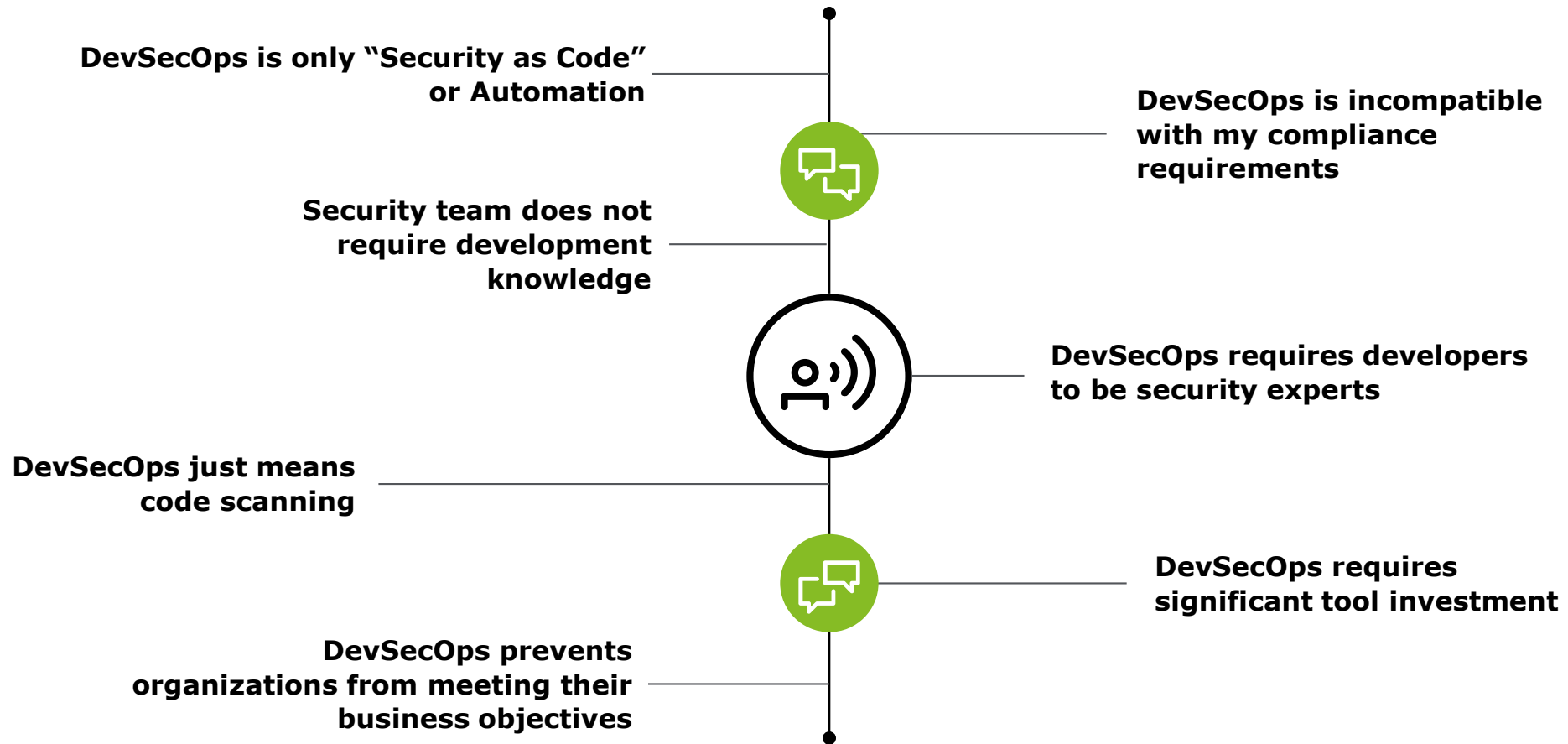


Increased collaboration

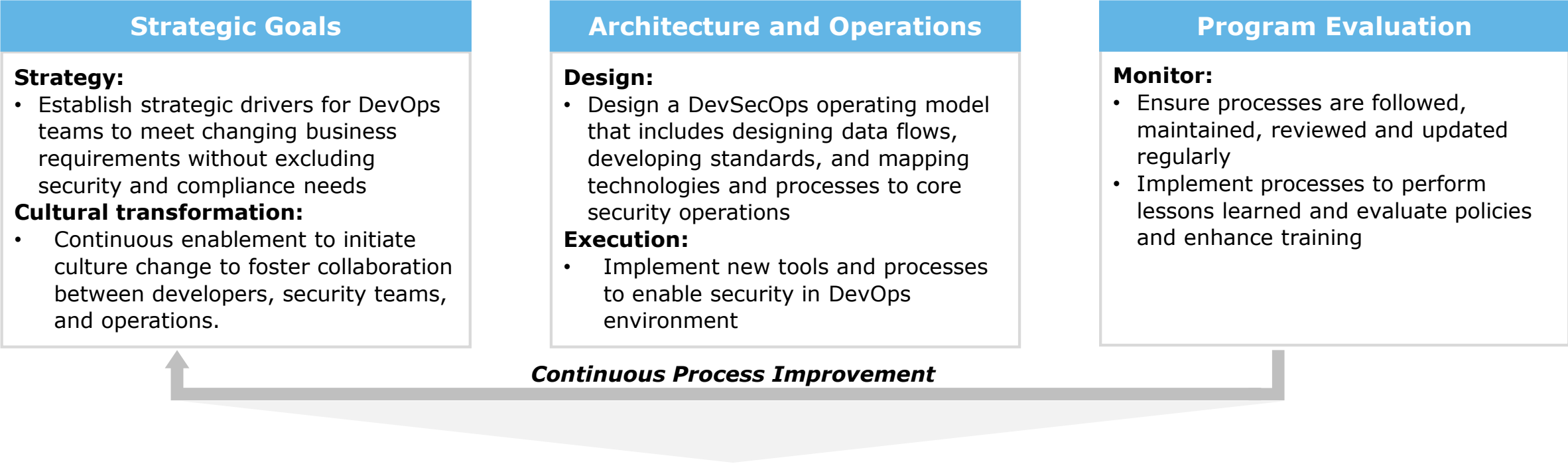
By integrating development, security and operations, DevSecOps fosters a culture of openness and transparency from the earliest stages of development

Common myths and misconceptions

Perceived challenges and piece-meal integration often hinder organizations from realizing the value of incorporating security into DevOps



A DevSecOps program requires continuous improvement to achieve desired efficiency

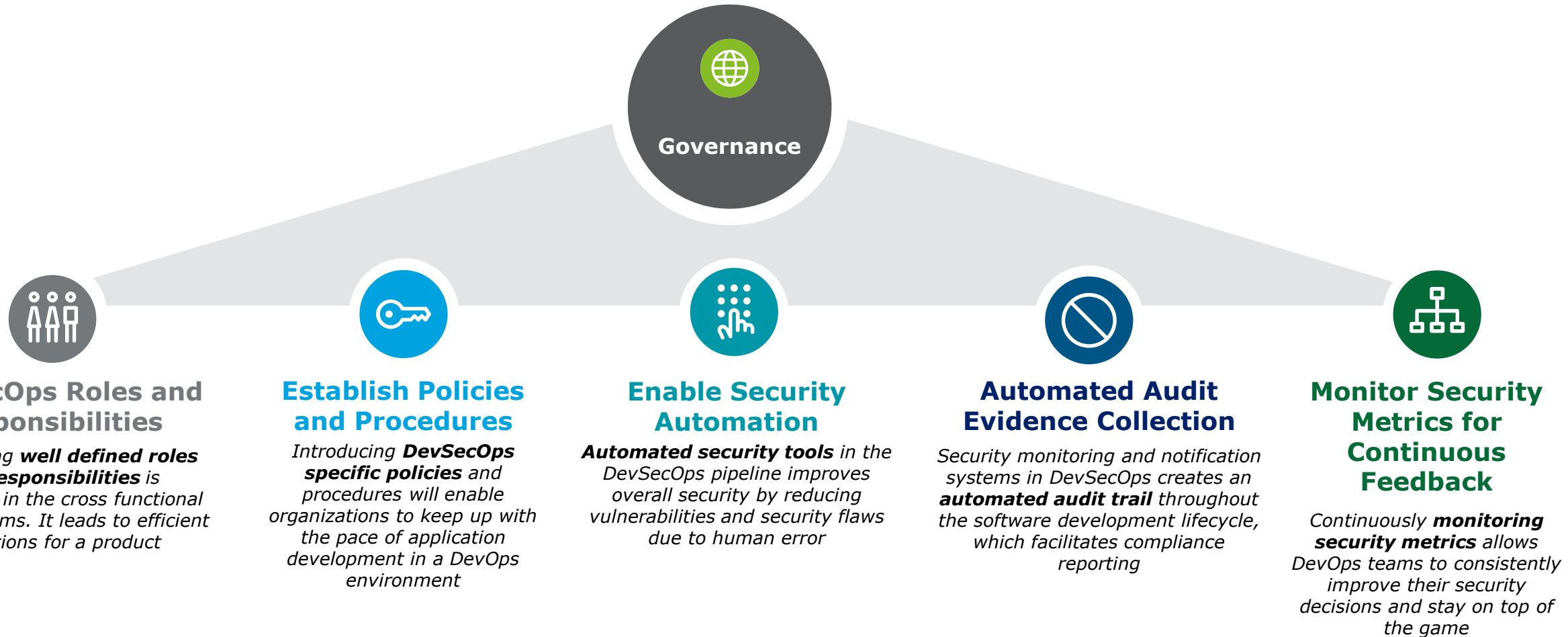


The DevSecOps transformation is achieved through following pillars:

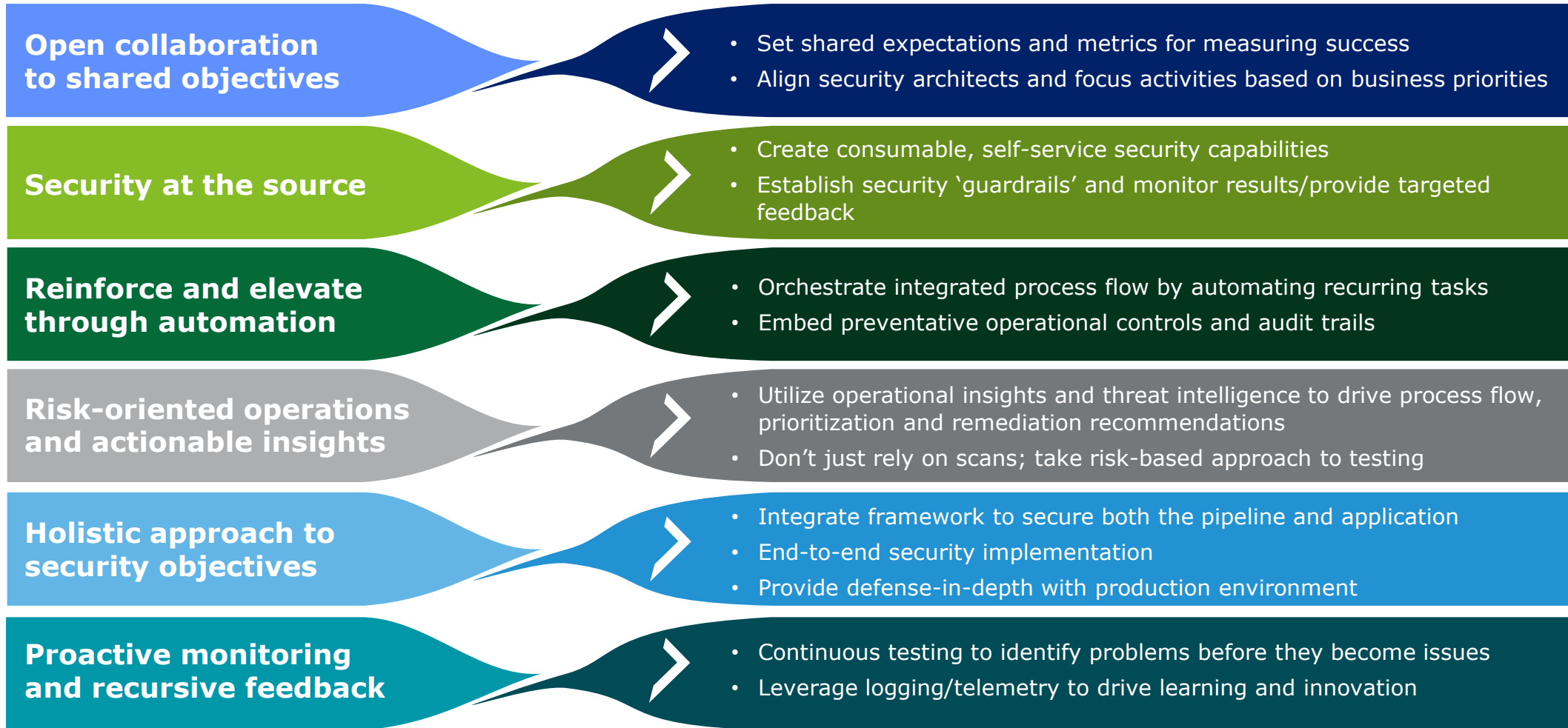


Drive scalable governance for DevSecOps

The approach to develop a sustainable governance model is through enabling security services that are business aligned, agile, self-service and risk based



DevSecOps success criteria





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