

Leveraging DevSecOps to manage program security performance



Cyber Security Goals

- Defend (Data, Networks, Systems)
- Deter (Cyber Crime, Terrorist Use of Internet)
- Develop (Capabilities)

DevSecOps enables Secure Delivery



Waterfall vs Agile Lifecycle

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Activities as opposed to phases that have smaller batch sizes and Are repeated.



Secure Solutions through Agile



Requirements / Analysis



Beginning our requirements with security in mind enables us to build trust early and prevent downstream friction.

Secure Requirements/Analysis





Design



Security by design moves team focus to vulnerability prevention from vulnerability detection



Secure Design



Threat Capability Tools

Techniques Resources SM

Control

Password Policy

XXX

xxx

Dev

Dev

Product Backlog







Development



Moving from control gates to guardrails with automation and workflows

Secure Development Pipeline





Testing



Layered Security test levels reduces flaws in the systems we deliver



Security Testing





Deploy



Secure deployments take the stress out of delivery and allows use to deploy more often with smaller batches



Secure deployments



Operate and Monitor



Embracing a culture of continuous improvement results in secure systems



Secure Operations





Automated Security Pipeline



Future



DevOpsSec: Seamlessly integrate security into the implementation pipeline; ensuring everyone takes responsibility while continuing to shorten feedback loops

