A Peek Behind the Curtain: Securely Maintaining a Development Platform

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Infrastructure Administrators’ Perspectives
Secure Platform Design
Secure Component Operation

for each component do:
  plan deployment of component
  perform secure initial configuration of component
  write documentation for component

while component in service:
  patch/update/upgrade component periodically
  scan component for vulnerabilities periodically
  audit component logs periodically
  monitor component health
  maintain and update component documentation

decommission component
Secure Environment Operation

- Understand your sphere of influence
  - what systems exist within your sphere?
  - how do your systems interact with things outside of your sphere?
  - what documents should exist in your library of knowledge?

- Understand the impact of changes within your sphere
  - adding/removing components
  - reconfiguring components
  - adding automation
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DevSecOps Infinity Diagram
DevSecOps Pipeline