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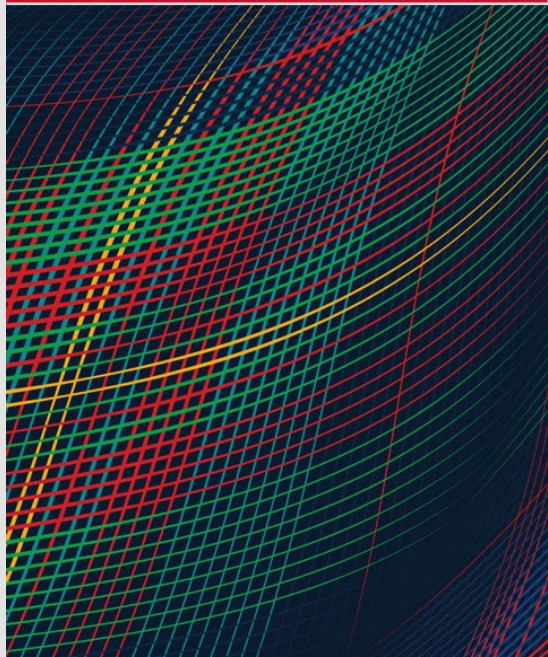

A Peek Behind the Curtain: Securely Maintaining a Development Platform

JUNE 13, 2023

Lyndsi Hughes
David Sweeney

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Developers' Perspectives

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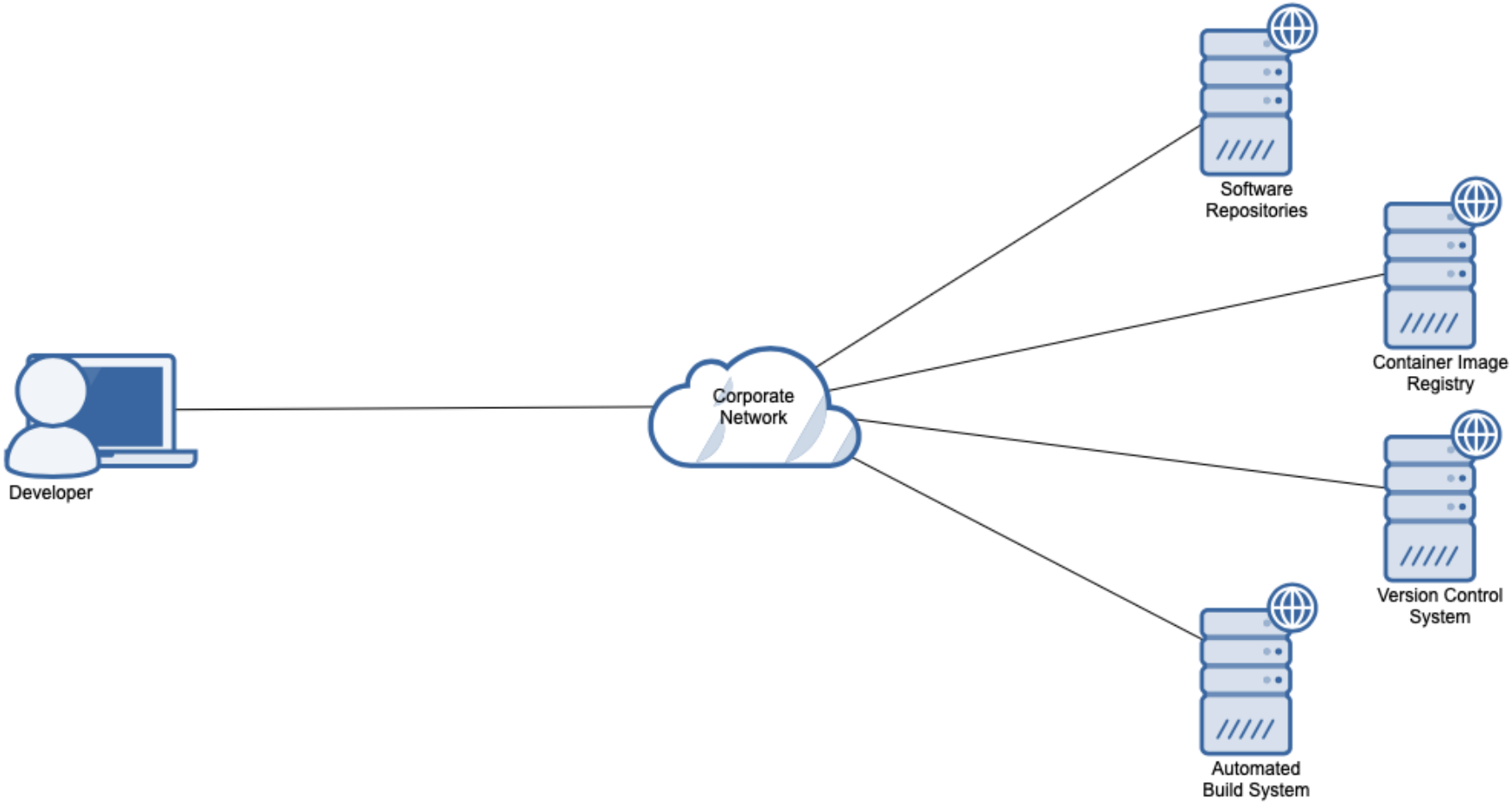

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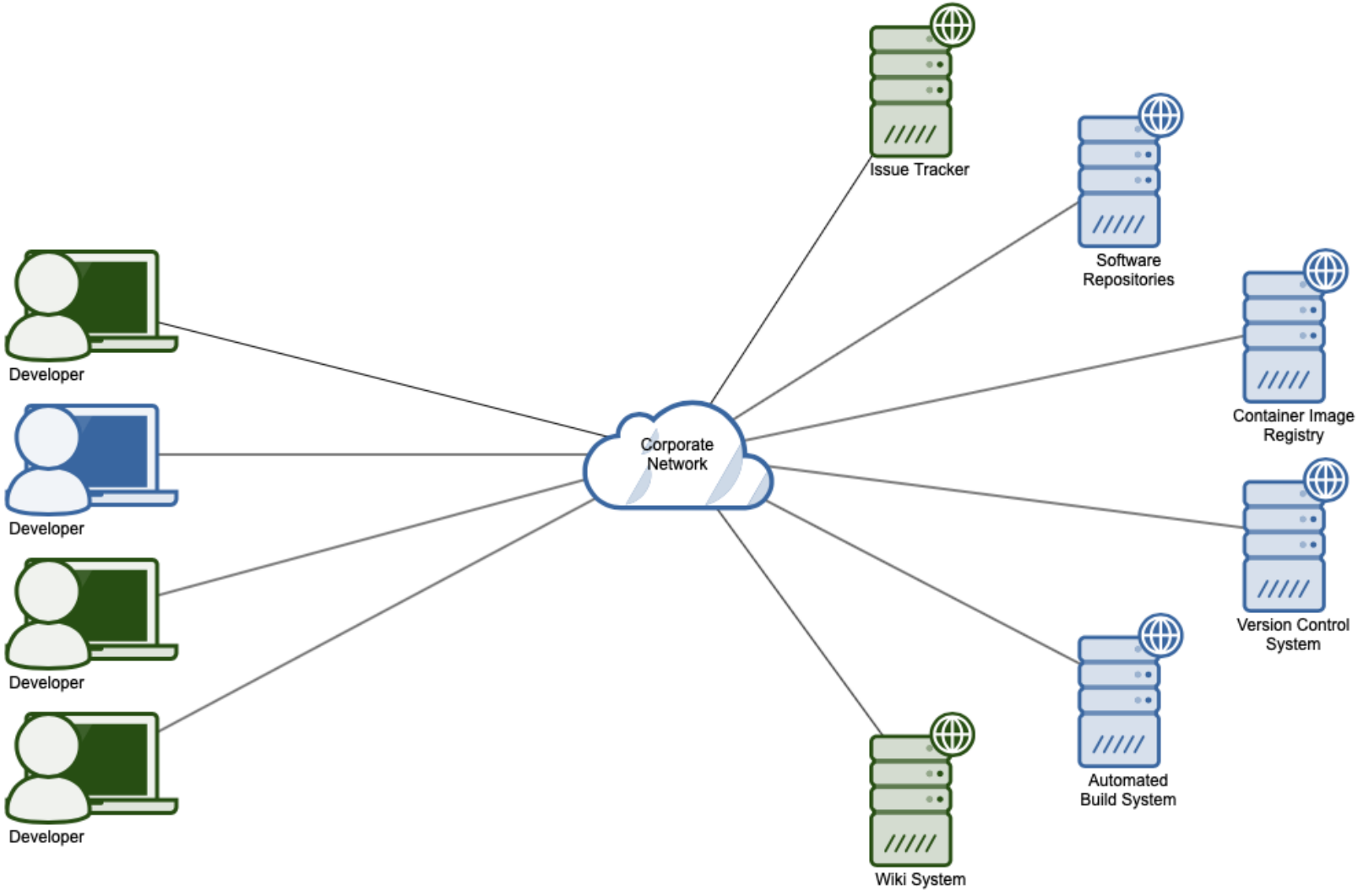

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Infrastructure Administrators' Perspectives

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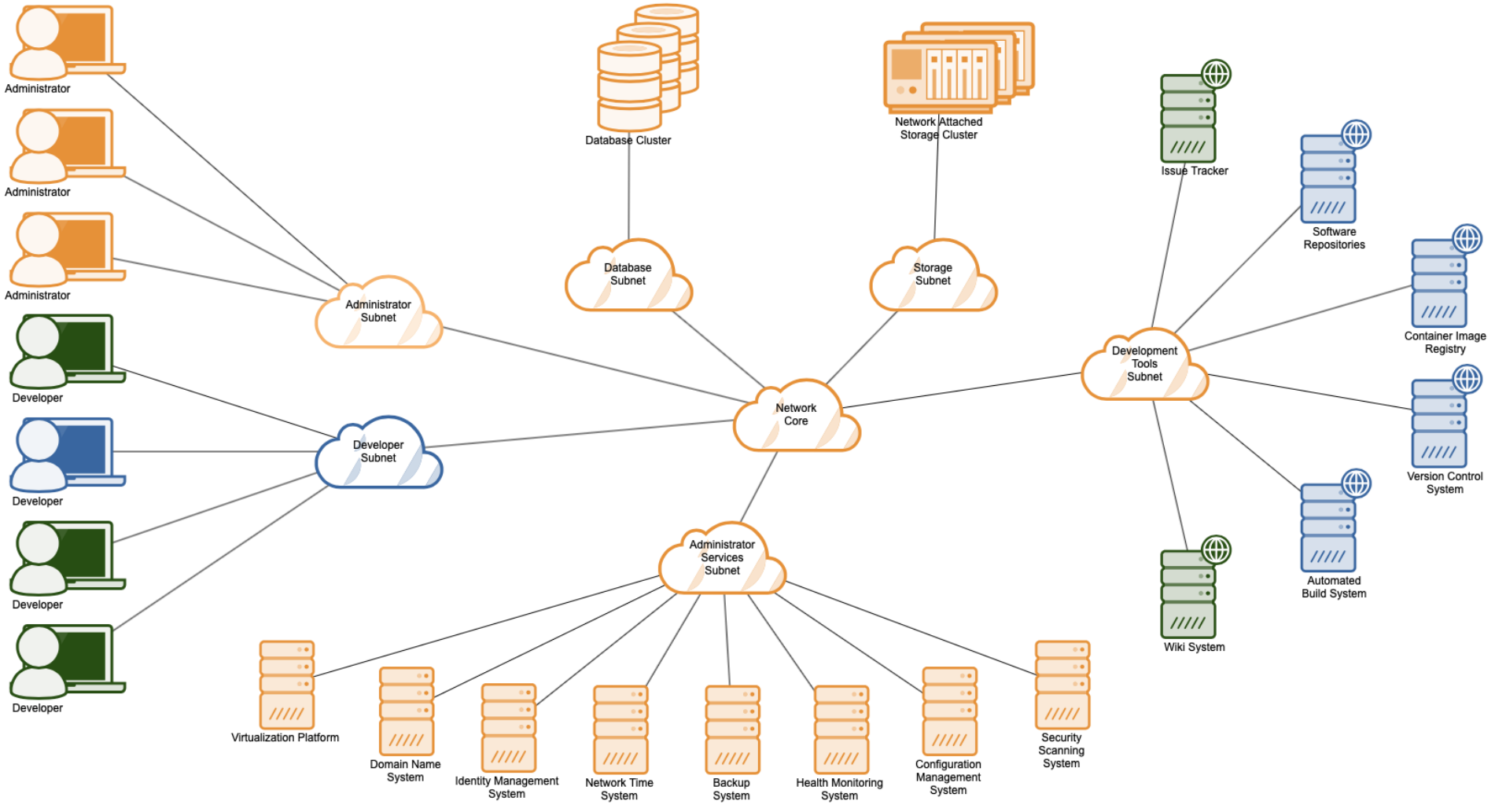

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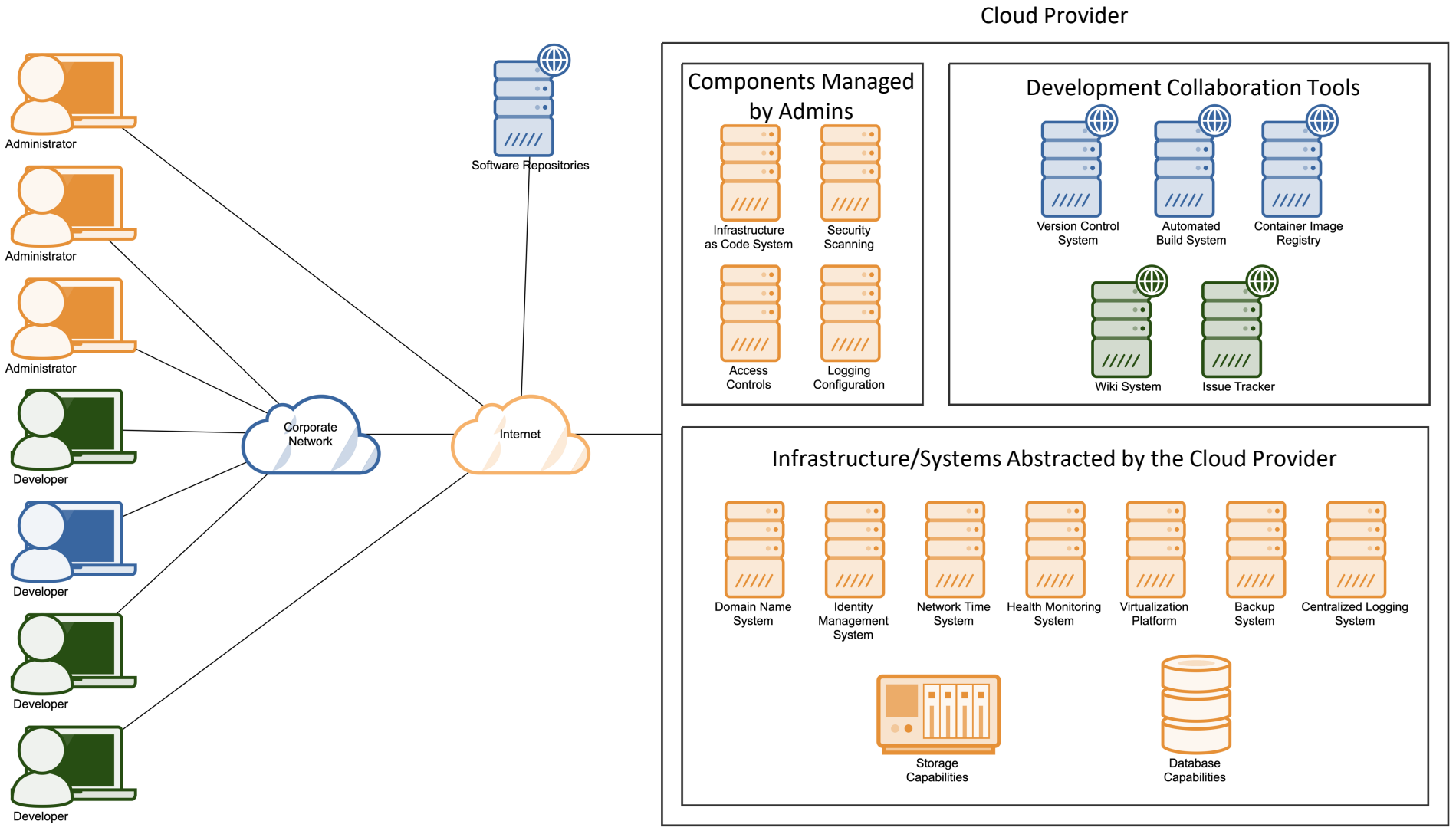

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Secure Platform Design

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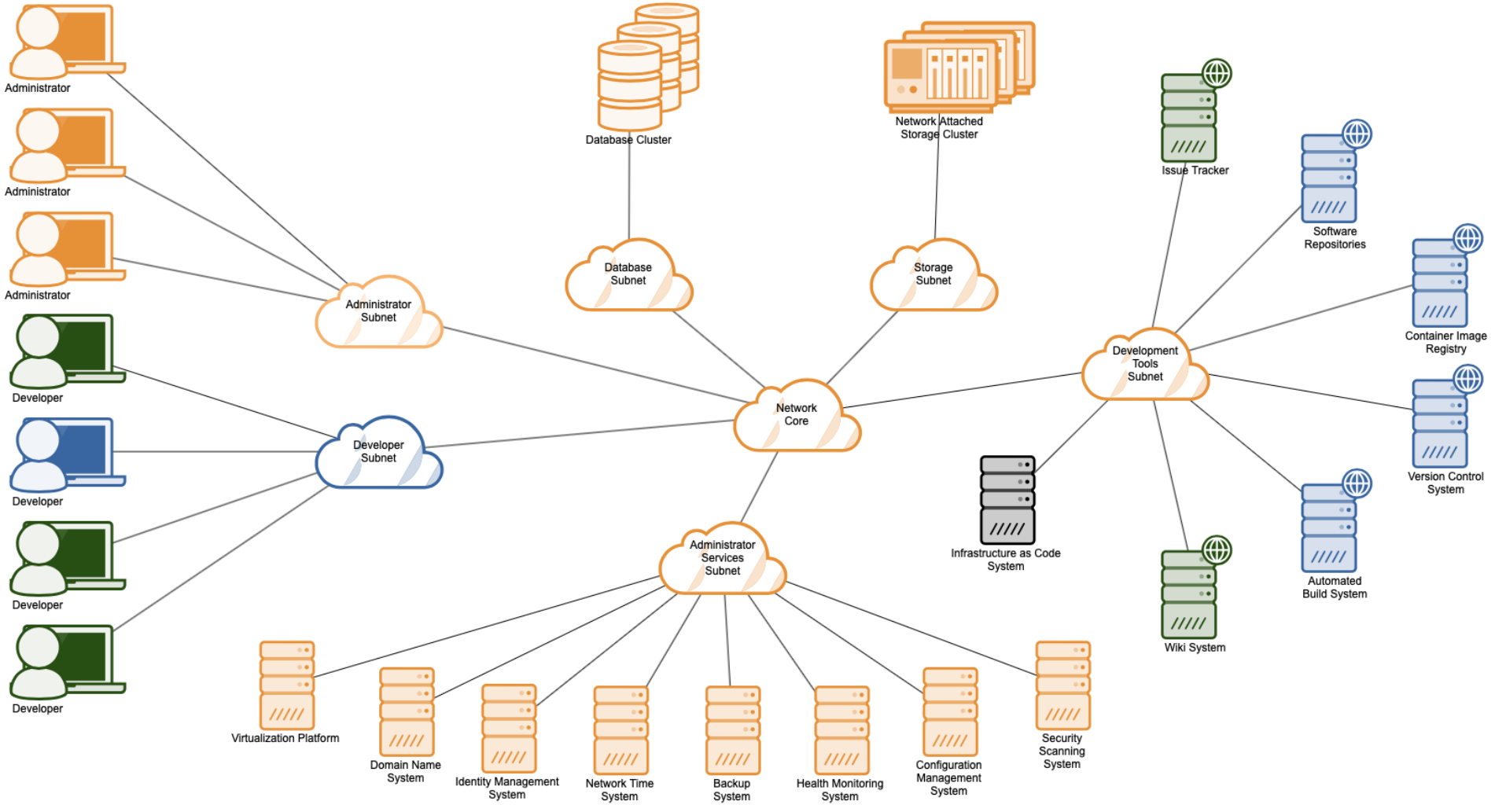

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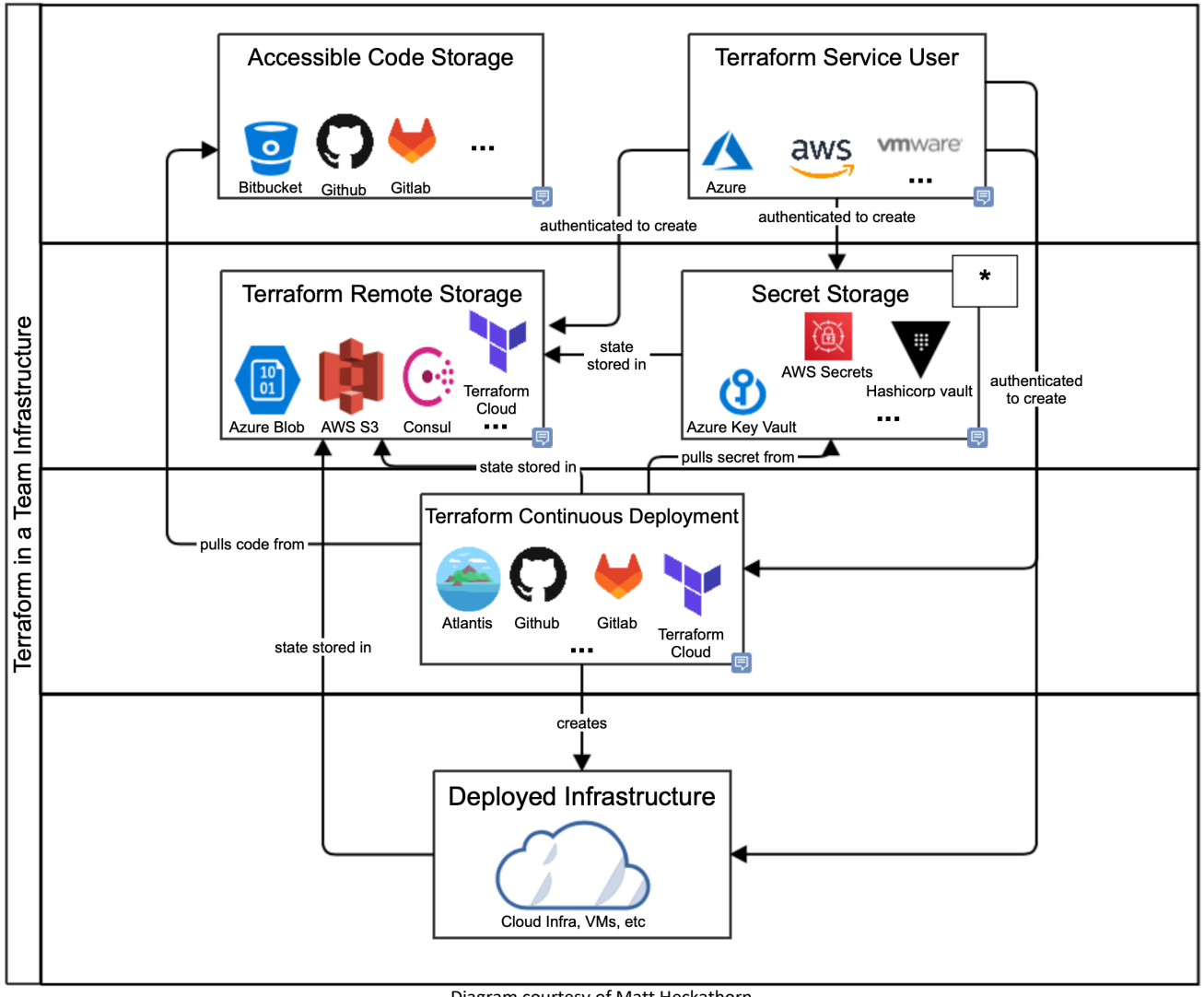

Diagram courtesy of Matt Heckathorn

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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
```


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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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Contact Us

Lyndsi Hughes
Senior Systems Engineer

David Sweeney
Associate Software Developer

Vanessa Jackson
Senior Engineer

Matt Heckathorn
Integration Engineer

info@sei.cmu.edu

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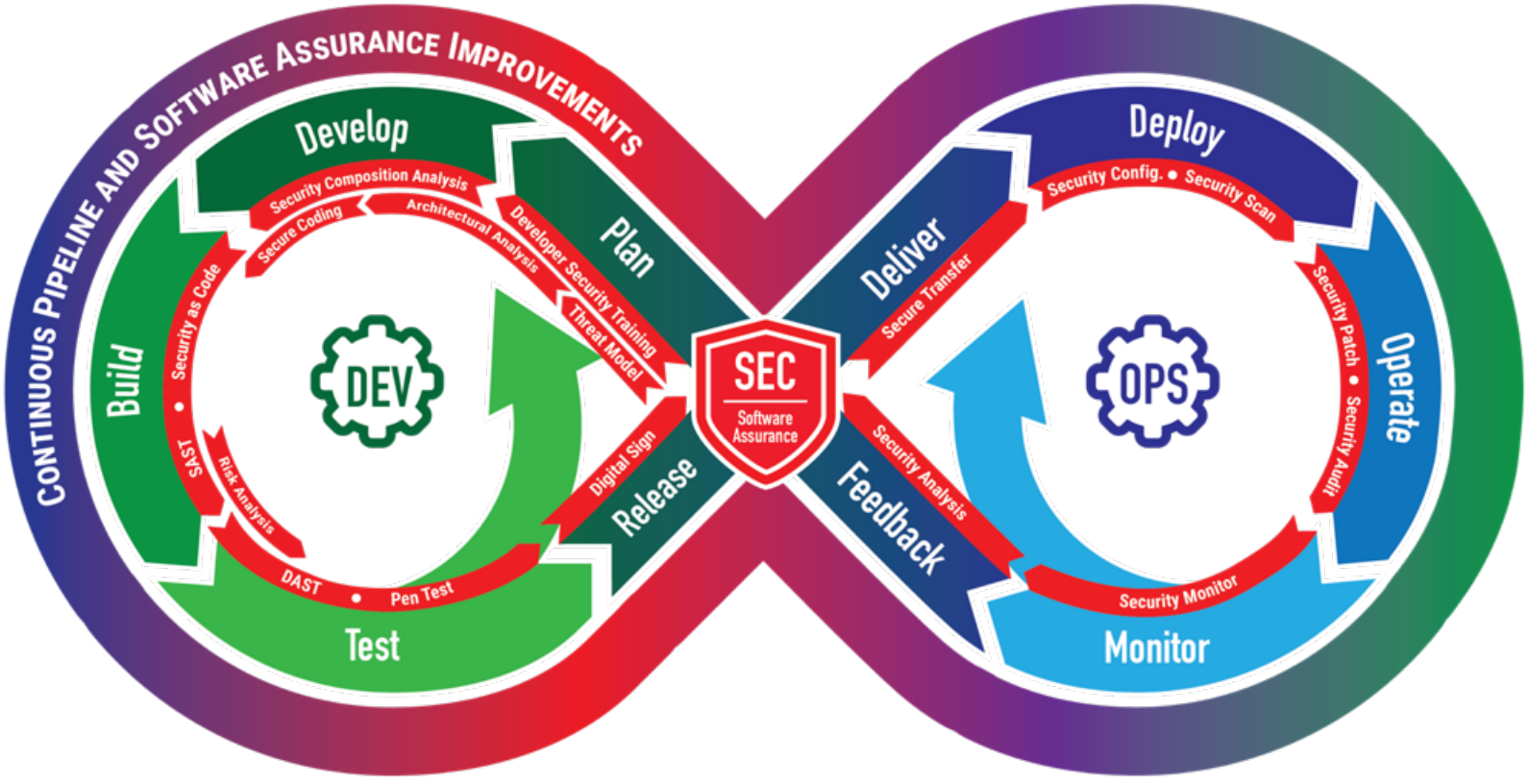
DevSecOps Infinity Diagram



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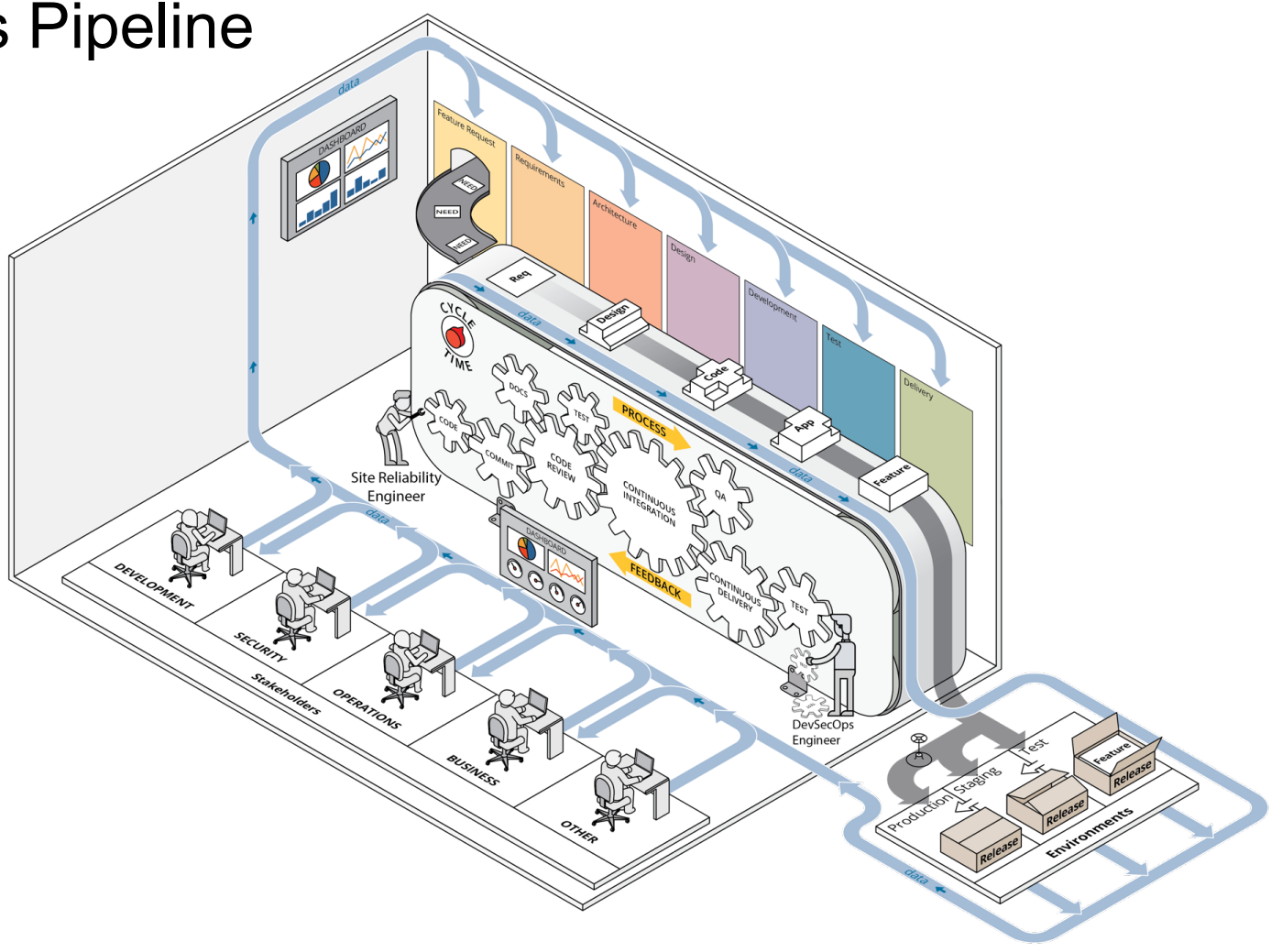
DevSecOps Pipeline



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