

How to Automate Microsegmentation to Secure the Hybrid Cloud

First Last

Title, Tufin

tufin



Agility vs. Security



Agility

Digital Transformation, powered by cloud-native platforms, is increasing business agility and accelerating innovation.



Security

Security in this new world requires a totally different approach where traditional tools and practices are unsuitable.

“ Yes, we have a DevOps team. I have no idea what they’re up to, but my team [Security] is responsible for securing their apps. ”

—Tufin Customer

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Tufin's Annual User Conference

Challenges



Visibility – limited or no access



Control – unfamiliar and unsupported

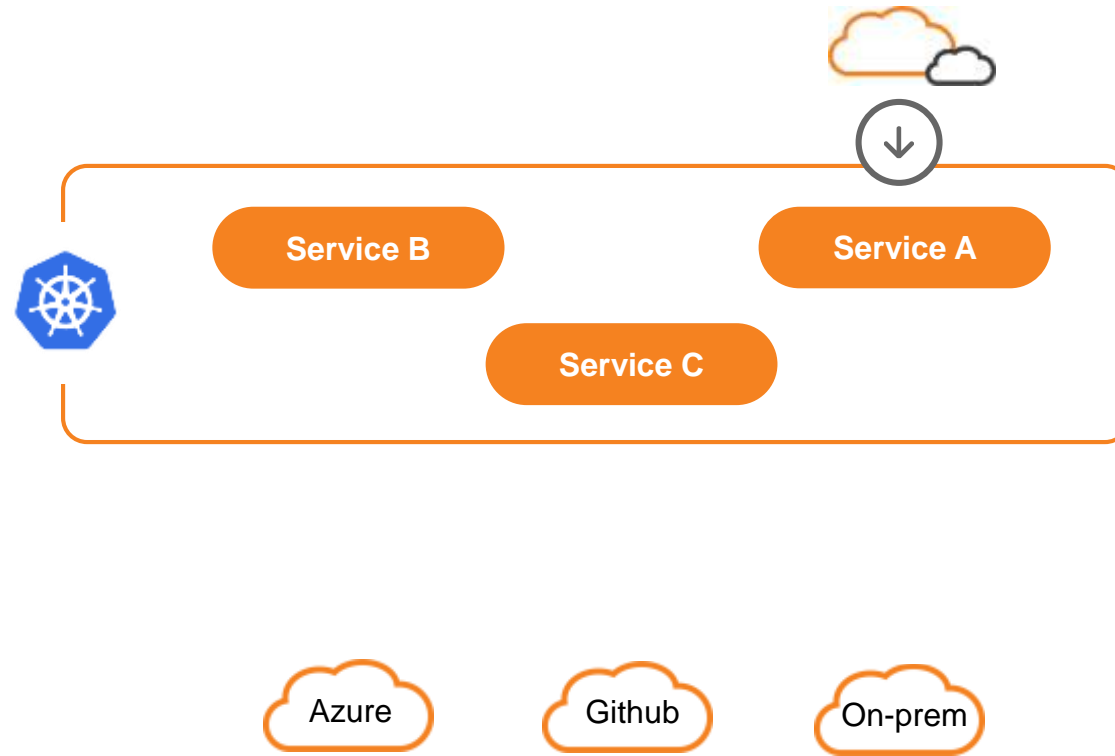


Automation – manual tools and practices

Insanity



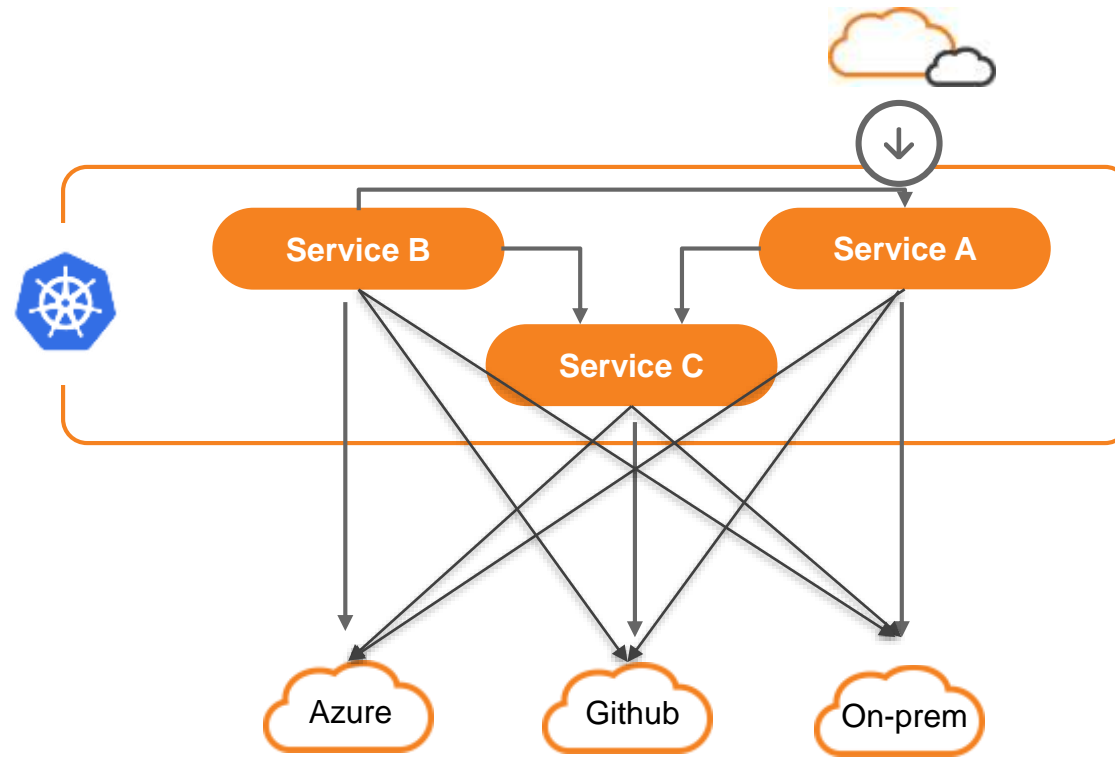
Forcing traditional security management upon DevOps practices and cloud native platforms will drive you insane.



Insanity



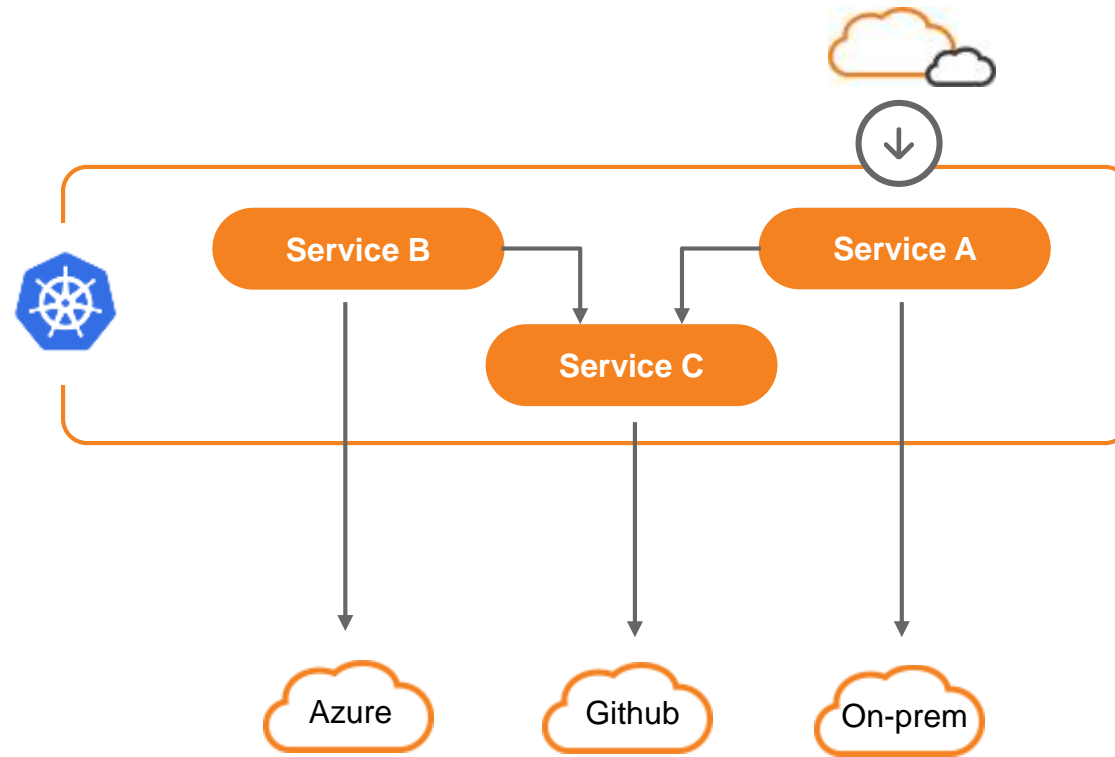
What the dev configuration looks like.



Insanity



What the application connectivity *probably* needs to be.

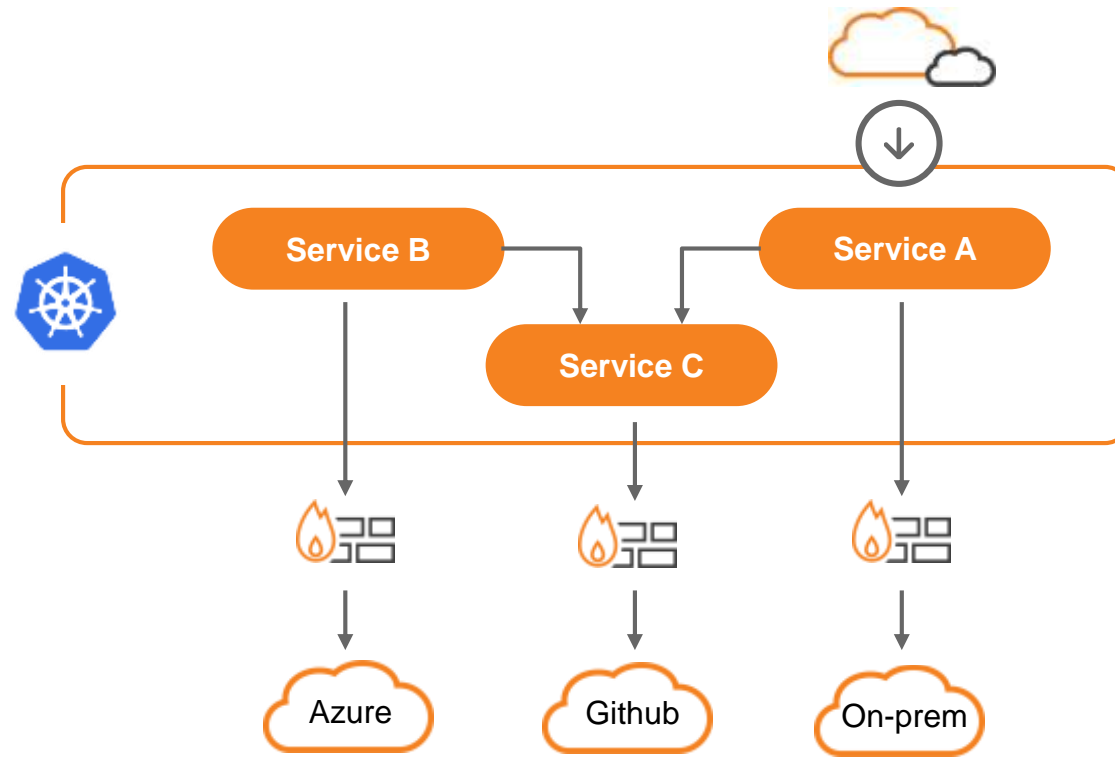


Traditional approach relies on manually reviewing application configuration and performing security review. Total time invested measured in days.

Insanity



What is actually required.

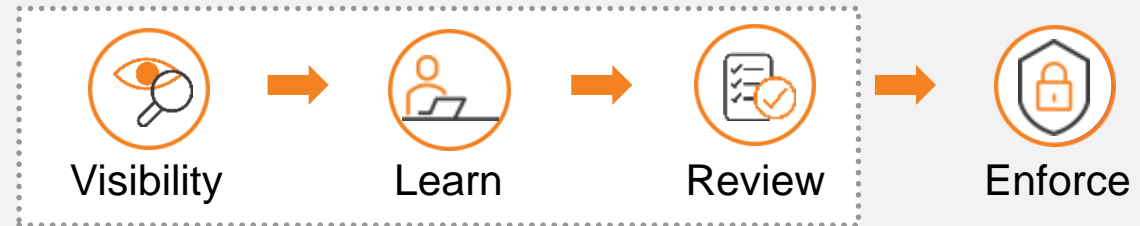
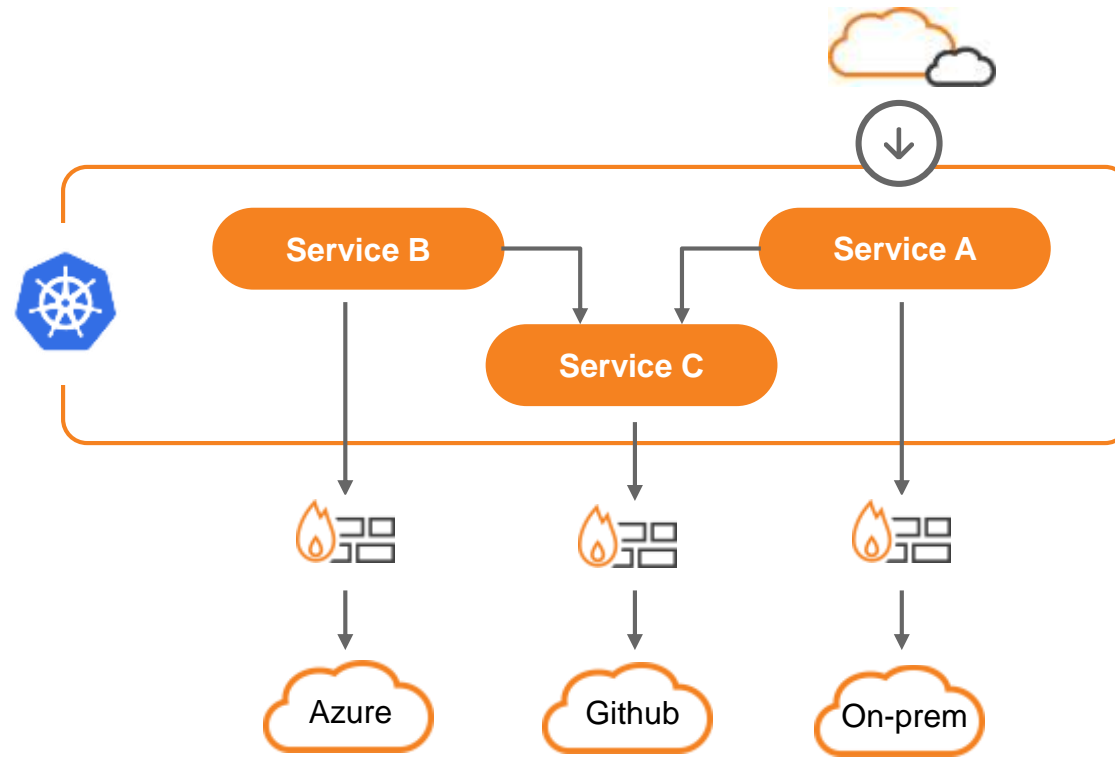


External network controls are necessary, but usually managed by separate teams with separate tools and legacy processes – adds complexity, time and risk.

Visibility - Learning

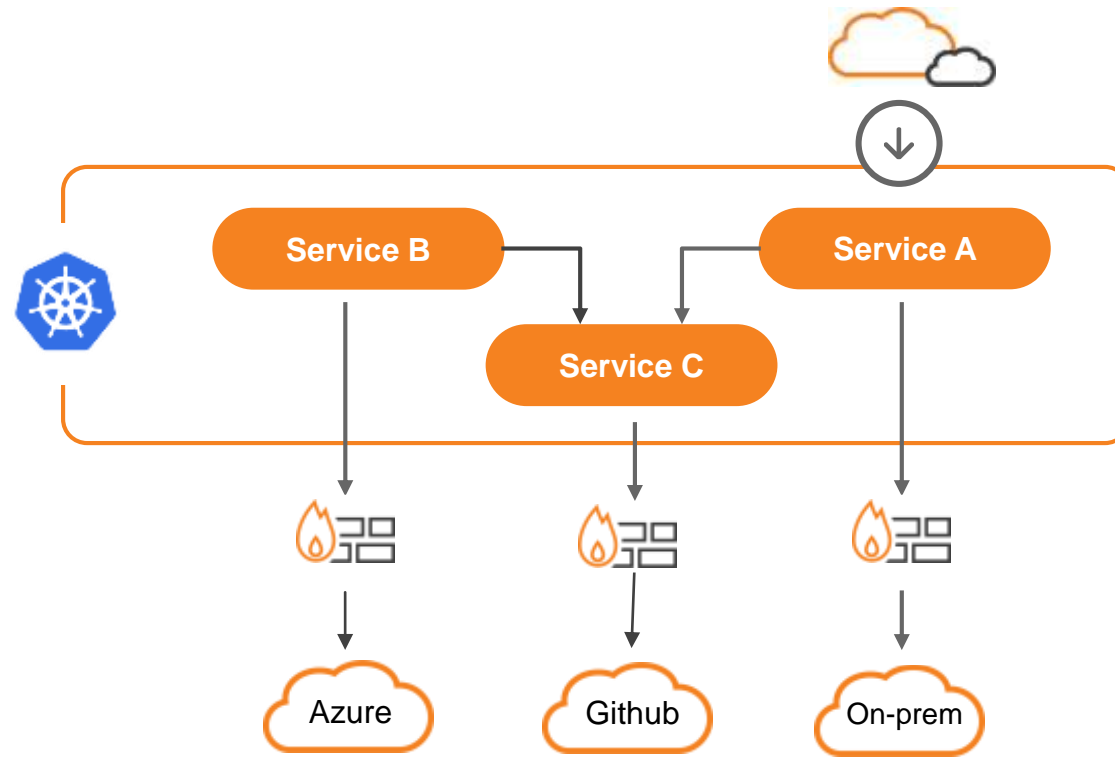


Automatically **discover** which services are deployed, how they are **connected**, and which external **services** they rely on.

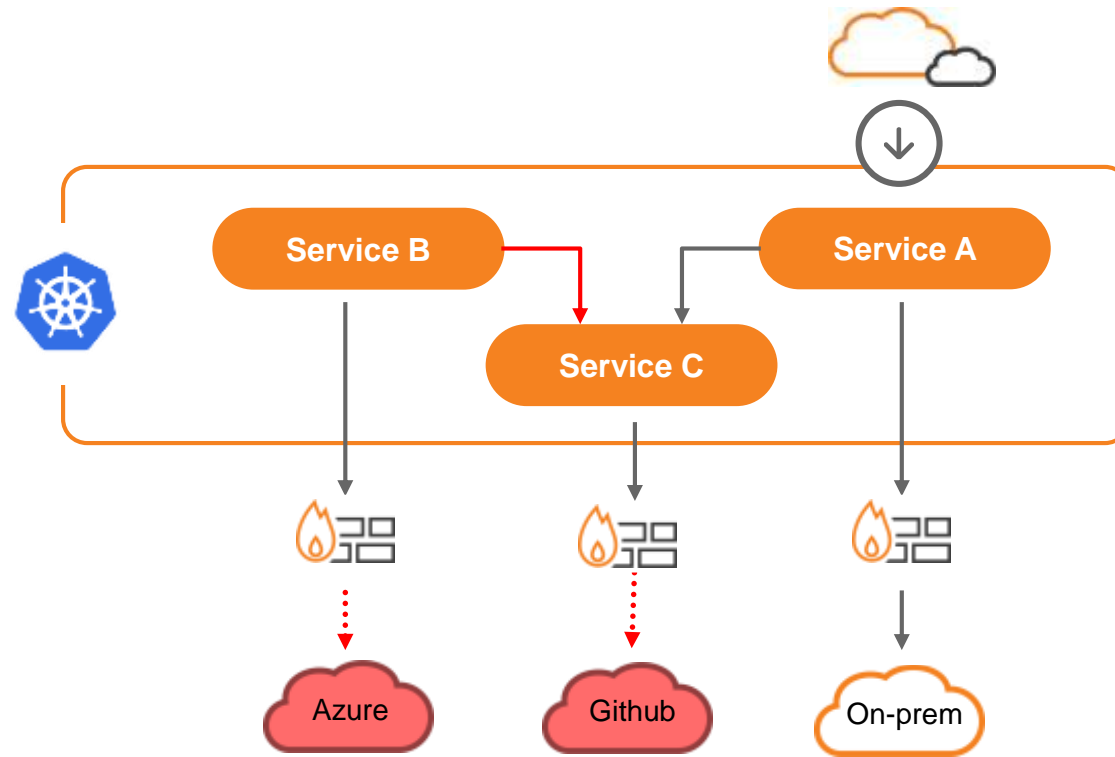


Define and enforce micro-segmentation policies across hybrid infrastructure.

Control



Detect breached services and automatically adjust policy to block risky traffic.



Control



Automation

Code

Developers can view latest security check



Build

Check for security issues, publish latest result



Deploy

Check for security issues and notify Security and DevOps teams



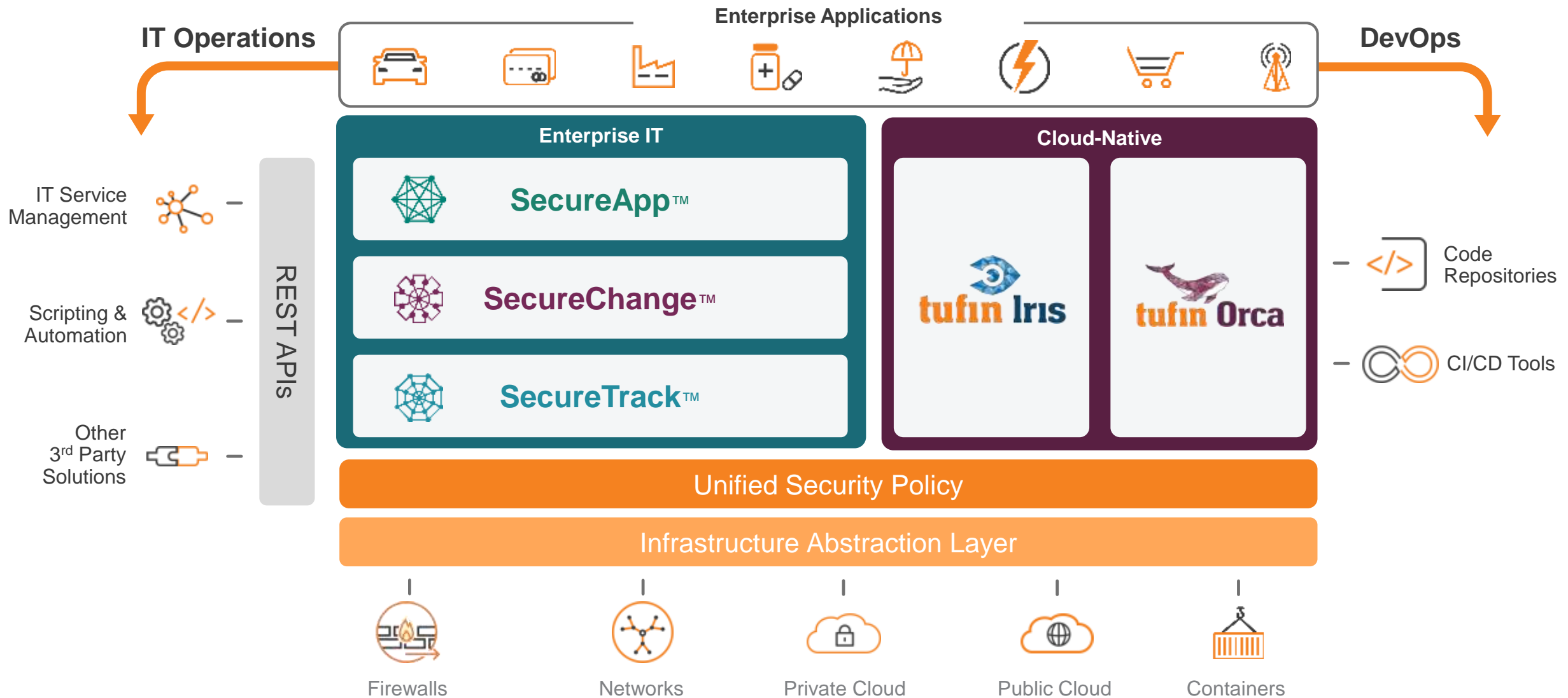
Operate

Continuously ensure compliance and notify Security and DevOps teams



Shift left

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