

IMPROVE SECURITY AND VELOCITY BY EMBEDDING ZERO TRUST

Cyberattacks will cost us **\$1 trillion** in 2020.¹

Companies with top quartile developer velocity achieve **400% better revenue growth**.²

Security or business velocity? We need **both** velocity and security. Simply put, it is now unacceptable to be forced to compromise one for the other. Fortunately, we can improve velocity **and** strengthen by eliminating their common enemy: bolted-on secure networking infrastructure (SD-WAN, firewall, VPN, bastion, private circuits, etc.). Bolted-on secure networking infrastructure creates 4 barriers to velocity and security:

- **Barrier #1: Bolted-on is not secure.** Infrastructure is now a security vulnerability - most of the successful attacks target open firewall ports, vulnerable perimeter devices and VPNs. This insecure approach also blocks sales into certain verticals and use cases.
- **Barrier #2: Bolted-on slows or stops revenue.** Waiting for customers and telcos to build out WAN and security infrastructure slows the sales and scaling of your app, and the expense can break your customers' business cases.
- **Barrier #3: Bolted-on blocks automation and visibility.** Bolted-on impedes CI/CD automation, DevSecOps processes and SRE practices. Telco and customer network dependencies obscure visibility and control, and often lead to finger pointing and confusion.
- **Barrier #4: Bolted-on hurts user experience.** VPNs, firewalls, and backhauling across a WAN often make your application seem slow to respond and unreliable, even though it is actually the bolted-on infrastructure which is causing the problem.

NetFoundry enables you to improve business velocity, accelerate revenue and strengthen security by eliminating bolted-on infrastructure and these barriers to your business.



Paul Edrich, CTO of IMS Evolve, an IoT leader managing millions of devices globally: "We have been working to embed our IoT software with NetFoundry SDKs to enable customers to avoid the the hassle of deploying VPNs, firewalls, or proprietary hardware. We can jointly be deployed as part of golden image on any IoT or edge device to provide our customers a turnkey, zero trust solution."

Martin Braem, COO of Klarrio, a leading analytics provider: "Zero Trust in a world that is moving towards containerized services is pivotal, which is where NetFoundry scores with its capability to integrate with DevOps automation frameworks via its APIs".

Eliminate the barriers of bolted-on secure networking infrastructure to improve business velocity and strengthen security

You are enabled to change the game, finally stopping the tug of war between security and business velocity by putting security and velocity into the nucleus of your development and delivery lifecycle, overcoming the security, velocity and revenue barriers caused by bolted-on infrastructure:

- Overcome barrier #1: Strengthen security.** Provide your customers with agentless Zero Trust, enabling them to close all inbound firewall ports for top security, and immediately consume your app without needing to build VPNs, firewalls and SD-WANs. Your app will meet the toughest compliance and security requirements, enabling you to deliver to any vertical from the cloud with better security than on-premises models.
- Overcome barrier #2: Remove revenue blockers.** Eliminate the stop signs and friction of secure networking infrastructure. Enable your customers to extend and scale usage without waiting on infrastructure and telcos, with stronger, lower cost business cases to adopt and scale your app. The superior Zero Trust security enables you to sell to any use case and vertical.
- Overcome barrier #3: Gain visibility, control and automation.** Your end-to-end, Zero Trust, software-only overlays will cut through murky telco and customer network swamps, giving you end-to-end visibility, control and automation. You multiply your Infrastructure-as-Code benefits by taking the next step of Security-as-Code.
- Overcome barrier #4: Delight your customers.** Provide better user experience by eliminating secure networking infrastructure dependencies. Your app will be delivered directly, without being tromboned through VPNs or WANs, and without being decrypted. NetFoundry's dynamic routing algorithms minimize your latency, routing across the best available routes on tier one backbones.

Next steps:

- Mail support@netfoundry.io for a demo or to learn more
- Security, product, development and operations teams can review our [architecture in-depth here](#)
- Teams can start now with [OpenZiti](#) (open source), or use our [SaaS services](#) for free for up to 10 endpoints



C
SDK



.NET
SDK



SWIFT
SDK



ANDROID
SDK



JAVA
SDK



GO
SDK



NODE.JS
SDK



PYTHON
SDK

GITHUB:

<https://github.com/opensiti/>

DISCOURSE:

<https://opensiti.discourse.group/>

ZERO TRUST SSH EXAMPLE:

<https://ziti.dev/blog/zitifying-ssh/>

ZERO TRUST DATABASE EXAMPLE:

<https://netfoundry.io/zero-trust-database-security/>

REFERENCES:

- 2021 McAfee Global Cybercrime Report
- Developer Velocity: How software excellence fuels business performance, McKinsey 2021