zentera™

CoIP® Zero Trust Fabric

Software-Defined Overlay for NIST SP 800-207

CoIP Platform Highlights

- NIST SP 800-207 ZTA for rapid compliance with M-22-09
- Cloaks applications and data to eliminate implicit trust zones
- Extends Zero Trust controls to cloud and hybrid
- Protection extends beyond IT to OT, IoT & critical infrastructure
- Secures legacy applications with LAN encryption
- Deployable on-prem and in air-gapped networks for privacy
- Deployable in cloud for scalability and resiliency

Gartner Cool Vendor 2017 | CISO Choice Awards 2020 Finalist Network Security | Cyber Defense Magazine Infosec Awards Winner 2021

The future of network security is Zero Trust

As agencies plan their migrations to Zero Trust as mandated by Executive Order 14028, it's time to rethink how we approach network security.

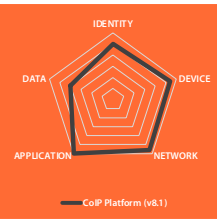
A network provides critical connectivity to keep organizations and their applications running, and must be fast, reliable, and resilient. Adding "secure" to that list breaks things. Making the network responsible for security also makes it difficult to change or upgrade the network without also affecting security. This is in fact why the traditional approach has been to enforce security only at the network perimeter, a "hard shell." Once hacker get past that shell and reach the "soft center," they find critical applications and data undefended against attack.

In a Zero Trust Architecture, "every application should be treated as internet-accessible from a security perspective." (OMB M-22-09). In other words, security controls must be enforced right in front of applications and data, protecting them even if the network is not pristine and free of malware.

The future of Zero Trust is software-defined, overlay, and end-to-end

The best way to deploy Zero Trust security into an existing network is as software that overlays the existing network. This approach delivers several key benefits:

- It enables applications to Zero Trust one at a time, while minimizing impact to applications and end users
- It allows Zero Trust enforcement from end-to-end, without depending on or having to change network topology
- It enables consistent security policies across any infrastructure stack, including hybrid cloud
- It respects existing financial investments in infrastructure
- It allows the network to focus on its core mission, without modifying operations runbooks



Zero Trust Overlays provide existing infrastructure and applications with mature security against the CISA Zero Trust Maturity Model

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CoIP (Cloud over IP) Platform Zero Trust Fabric

Zentera's award-winning CoIP Platform is a Zero Trust fabric that deploys over existing enterprise infrastructure to protect distributed applications, data, and business operations over untrusted networks. CoIP Platform is a powerful implementation of a NIST SP 800-207 Zero Trust Architecture.

Implementing CoIP Platform is extremely easy and fast. The Platform is software-defined and makes it simple to define powerful security policies that would be difficult to enforce any other way.

CoIP Platform Benefits

- **Next-generation network security controls**
  Powerful Zero Trust Fabric enables enterprises to enhance their security policies and controls to block unauthorized accesses

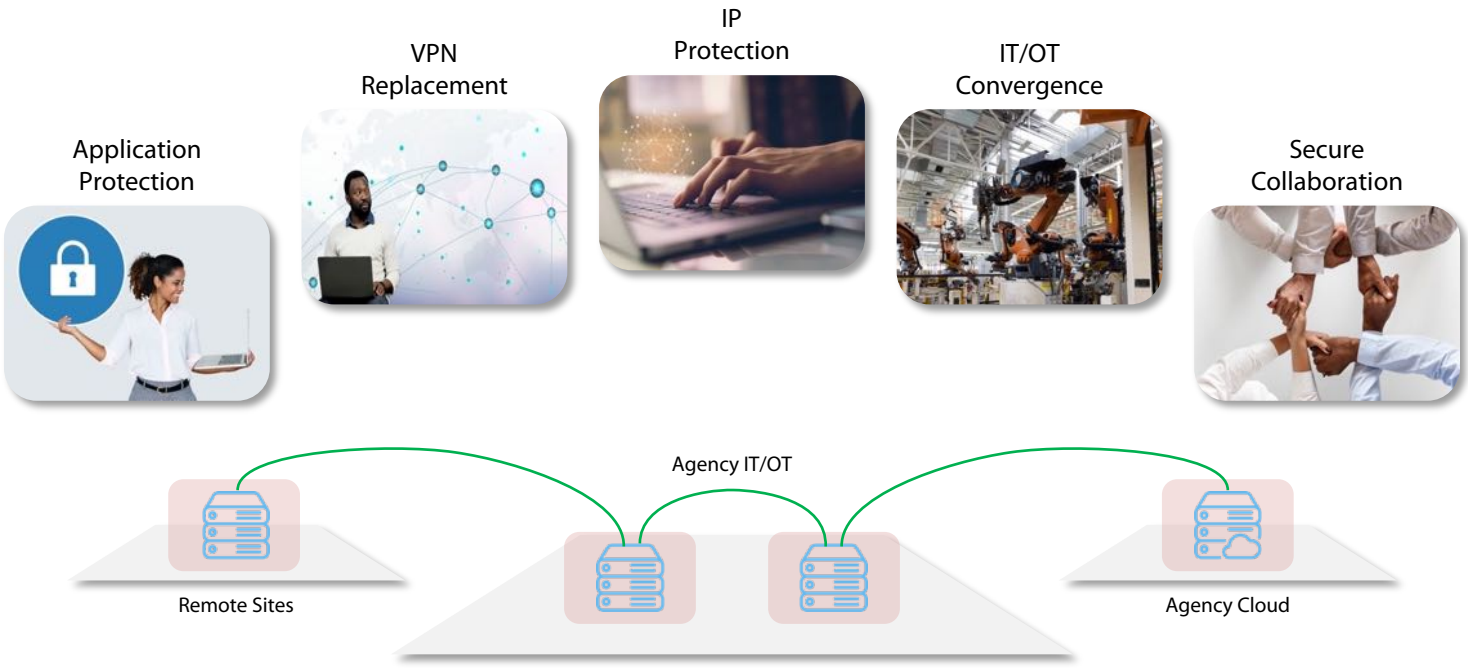
- **Fast to deploy**
  Set up and get going in hours, not weeks or months

- **Simple and easy operations model**
  Overlays the existing network for easy onboarding and management, one application at a time

- **Agile security for all environments**
  On-prem and cloud, IT, OT, and IoT, and even customers, vendors and partners – CoIP Platform secures applications and data in and across any environments

- **Save time by not having to debug network security**
  Simple policy and software implementation, minimizing the potential for human errors in network infrastructure re-engineering

- **Shorten the security learning cycle**
  Platform based method improves IT productivity, minimizing the need to be a security technology expert



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