

# CoIP™ (Cloud over IP™) Platform

Connect + Protect + Shield

## Benefits

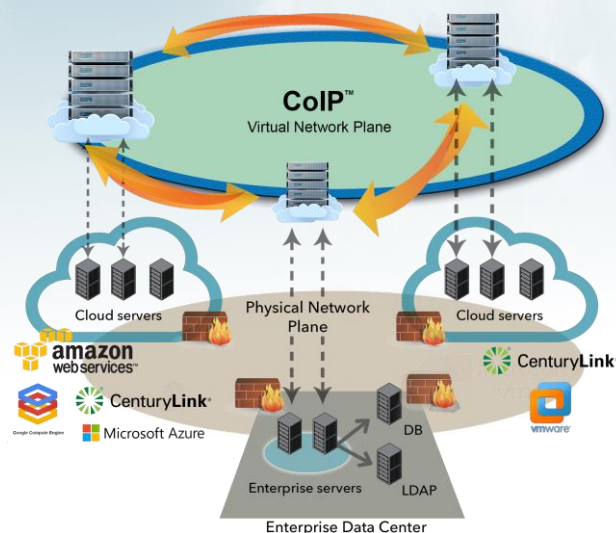
- Ease of management with unified network console across enterprise and cloud
- Full enterprise control in any cloud datacenter
- Enterprise protection without altering corporate perimeter security & compliance
- Remotely shield hybrid cloud workloads in any cloud
- Unified security for cloud endpoints across cloud ecosystem
- Virtual network segregation for cloud applications on top of shared corporate networks
- Extremely fast deployment—within days, not months or years

## Key Features

- Virtual hybrid network across multiple cloud domains
- Private routing plane and chamber firewall for application shield across outsourcing ecosystem
- CoIP endpoint security via OS environment protection and application interlock along with network setting monitoring and enforcement
- Cloud Connectors convert cloud APIs to mouse clicks
- Data encryption and automated synchronization across domains
- Secure remote terminal access without IP leakage

## CoIP Technology

**CoIP (Cloud over IP)** is the next-generation virtual overlay network solution for cloud ecosystems that allows dispersed cloud endpoints to connect on demand across distributed network domains. CoIP presents one unified network for applications as if all resources were deployed in a single enterprise network. It can be provisioned in hours with no changes to existing IP infrastructure, and spans multiple cloud network domains, including public, private, managed hosted, and on-premise datacenters.



## Zentera CoIP™ Connect, Protect and Shield<sup>SM</sup>

**CoIP Connect™** Allows dispersed endpoint computers to securely connect to each other on demand across distributed and fragmented cloud ecosystems as if they were all in one unified private network.

**CoIP Protect™** Enables enterprise perimeter security, physical networks and compliance to stay intact and protected in cross-cloud deployments.

**CoIP Shield™** Guards enterprise production workloads and the associated cloud endpoints in its private cross-cloud network.

CoIP technology dramatically simplifies the implementation of a unified secure virtual overlay network across cloud ecosystems. The CoIP solution includes a private routing plane, strong authentication, transport encryption within and across datacenters, cloud chamber firewalls, endpoint monitoring and enforcement, application interlock, data encryption at rest and remote terminal systems with fast provisioning, minimal IT effort and enterprise-grade security.

# CoIP™ Platform

## CoIP Platform Components

The CoIP platform runs on a network appliance, available either as a physical or a virtual appliance. The platform includes the zCenter™, CoIP Shield™, CoIP LAN™ and CoIP WAN™ software components.

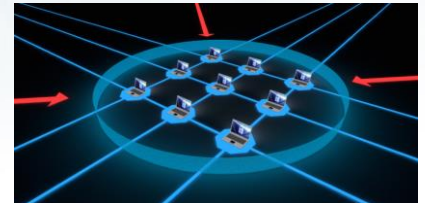
### zCenter

zCenter is the management portal for the CoIP platform. zCenter enables Application Profiles – which provision virtual infrastructures and security policies in unified cloud environments – to define the cloud overlay network, using mouse clicks and without programming cloud APIs.



### CoIP Shield

CoIP Shield protects the new attack surface in the cloud via unified security across cloud ecosystems. CoIP Shield secures the routing plane by enforcing a centralized control policy for security and routing. It strengthens endpoint OS environments by decoupling the CoIP network from the OS root and monitoring every packet that goes through the CoIP network. CoIP Shield integrates application interlock with network access so that only whitelisted applications are allowed to use the CoIP network. Even a compromised root cannot use or break the CoIP network.



### CoIP LAN and WAN

CoIP supports dynamically provisioned virtual WAN and LAN using private routing with any public or private IP addresses and using the underlying datacenter networks as the high-speed forwarding fabric with optional transport encryptions. CoIP WAN is the secure glue that connects federated clouds among outsourced datacenters.



CoIP has been tested by third-party penetration test services for vulnerability assessment and enterprise-grade remediation. It has received certifications from QualysGuard PCI, and OWASP. It has also been subjected to industry standard security scanning services.

### About Zentera

Zentera Systems, Inc., enables companies to extend production datacenter operations to public, private and managed hosted network domains. The CoIP™ (Cloud over IP™) cross-cloud session solution offers enterprise-grade networking and security for the emerging cloud ecosystem, protecting the new attack surface exposed by remote cloud endpoints. CoIP creates a unified overlay network plane across multiple private and cloud domains that connects dispersed computers, virtual machines and containers. Its agnostic network virtualization can be provisioned in hours over existing IP infrastructure. Based in Silicon Valley, Zentera offers CoIP through select regional channel partners, managed cloud service providers and Ingram Micro. Visit us at [www.zentera.net](http://www.zentera.net).