Cloud Adoption can Cause Operational Nightmares

Enterprises under pressure to adopt cloud computing often face significant internal infrastructure challenges in migration and onboarding that delay adoption. Compared to cloud infrastructure, which is elastic, existing on-premises infrastructure is static and rigid. Cloud connections cannot be set up without navigating through the "spaghetti" of legacy networks and security zones. InfoSec and compliance reviews required to make these connections are painfully time-consuming and can easily add months – if not a year – to a private and hybrid cloud project.

Enterprises need a next-generation infrastructure security solution that allows them to cut through business red tape, making cloud migration and onboarding a seamless transition.

CoIP Enclave Creates Overlay Networks that are Agnostic to Hardware

Zentera's CoIP Enclave solution streamlines the complexity of InfoSec and compliance reviews by enabling hybrid connections without modifying existing network and security settings. CoIP Enclave creates an overlay network completely decoupled from the underlying physical network. The overlay network extends to authenticated endpoint machines and encrypts all network traffic. Machines inside an enclave are "dark" to the machines outside.

Unlike VLAN and VPC, which do not work across domains, a single enclave can span across multiple domains and works exactly the same way in each domain. Since the enclave works at the application level, it can be dynamically turned on and off or moved from one site to another with cloud-like elasticity. This flexibility is what Zentera calls *Network-in-Motion*. With Network-in-Motion, applications can migrate from one domain to another while retaining the same network settings and security policies. Hybrid connections can be made without having to configure cloud-specific VPCs, VNets or security groups.

By abstracting the underlying infrastructure and providing Network-in-Motion, CoIP Enclave enables end-to-end automation and greatly diminishes the number of interdependencies, moving parts, and people involved in the cloud migration and onboarding process. By enabling administrators to set up an enclave in hours, instead of weeks or months, CoIP Enclave eliminates the I&O nightmares that accompany private cloud, hybrid cloud and multi-cloud adoption.

Infrastructure and Operations (I&O) Problems during Migration

Slow static infrastructure isn't as flexible as the cloud

Existing security policies do not extend to cloud

Cloud capabilities are CSP-dependent and do not extend to on-premises legacy infrastructure

"Separation of duties" – who owns what in complex infrastructure stacks?

High cross-functional interdependency and number of people involved

CoIP Enclave can help you...

Migrate or burst on-premises applications to private or public clouds

Federate your private and public clouds

Move applications from public clouds back to private clouds

Access or Hybrid — CoIP Network-in-Motion

Migrating Resources or Private Cloud

Burst Resource in Public Cloud