

CoIP® Enclave™

Overlay Fabric for Enterprise Datacenter Migration to the Cloud

Datacenter Migration Creates a Bottleneck in Network and Security

Driven by the increased business agility and cost savings of digital transformation, enterprise IT are in consensus that leasing cloud is more efficient than investing capital to build proprietary datacenters. With today's fast-changing business requirements, enterprises are embracing migration of their datacenters to the cloud.

Although the industry has understood and largely solved the computing stacks needed for datacenter migration over the past few years, the network and security stacks are the new bottleneck. Enterprise IT faces operational challenges in managing existing infrastructures, each with their own complexities. In addition, corporate IT must implement migration in stages to mitigate risks. However, each stage requires changing the network infrastructure, increasing the risk of application instability and configuration errors in application and network security.

The ideal solution to support datacenter migration would be to have one unified network fabric across all clouds. But today's environments have always been siloed. Uniting all of these silos through traditional I&O is an impossible task.

Zentera's "Universal VPC" Spans across Any Datacenter

Zentera's CoIP Enclave™ solution creates a hybrid Universal VPC that extends from clouds back to on-premises environments. This Universal VPC acts as an overlay fabric that spans across any domain, extending to authenticated endpoint machines and encrypting all network traffic in SSL tunnels. This allows the logical connectivity to be completely abstracted from the physical network topology, enabling rapid datacenter workload migration.

Enterprise IT can modify the configuration of the overlay fabric using a simple web portal with API automation capabilities. With a virtual network fabric hiding the complexities of the physical network, running datacenter workloads can be migrated to the cloud in stages, with downtime measured in hours. Furthermore, this Universal VPC can be extended between cloud regions or providers, enabling the datacenter to migrate for reduced vendor lock-in. With CoIP Enclave, IT staff can greatly diminish their cross-functional challenges.

Infrastructure & Operations (I&O) Problems for IT

- Migration involves coordination between compute, network, and security operations
- Datacenter migration requires months of planning and testing
- Difficult to stage migration in a way to minimize downtime

CoIP Enclave can help Enterprise IT...

- Build one virtual network fabric across all clouds
- Simplify the planning and execution of a staged datacenter migration
- Reduce cloud vendor lock-in

