

Use Case: Software Defined Perimeter

CoIP Enclave Enables Software-Defined Perimeter for Hybrid Cloud and Multicloud

The CoIP™ (Cloud over IP) platform empowers enterprises to build an enclave (CoIP Enclave) on demand across multicloud and enterprise datacenters. CoIP Enclave is the next-generation cloud security technology enabling enterprises to build their software defined perimeter for hybrid cloud and multicloud in a completely different way without interfering, yet leveraging existing network and security infrastructure.

CoIP Enclave presents a software-defined perimeter that connects all endpoints (i.e. VMs, containers, or bare metal servers, etc.) into a single, private and isolated network and this enclave can span across multiple datacenters as well as public and private clouds. The key highlight of the enclave is that it offers unified security beyond the enterprise boundary and enables enterprises to keep control of its security and compliance. CoIP has a central Controller which is the Security Broker that controls the network access for the endpoints in the enclave (CoIP endpoints). Only the authenticated endpoints for specific application(s) can join the Enclave. The communication addressing and traffic inside and across the Enclave can all be controlled for security compliance. It is a fast, easy and secure way of building a virtual

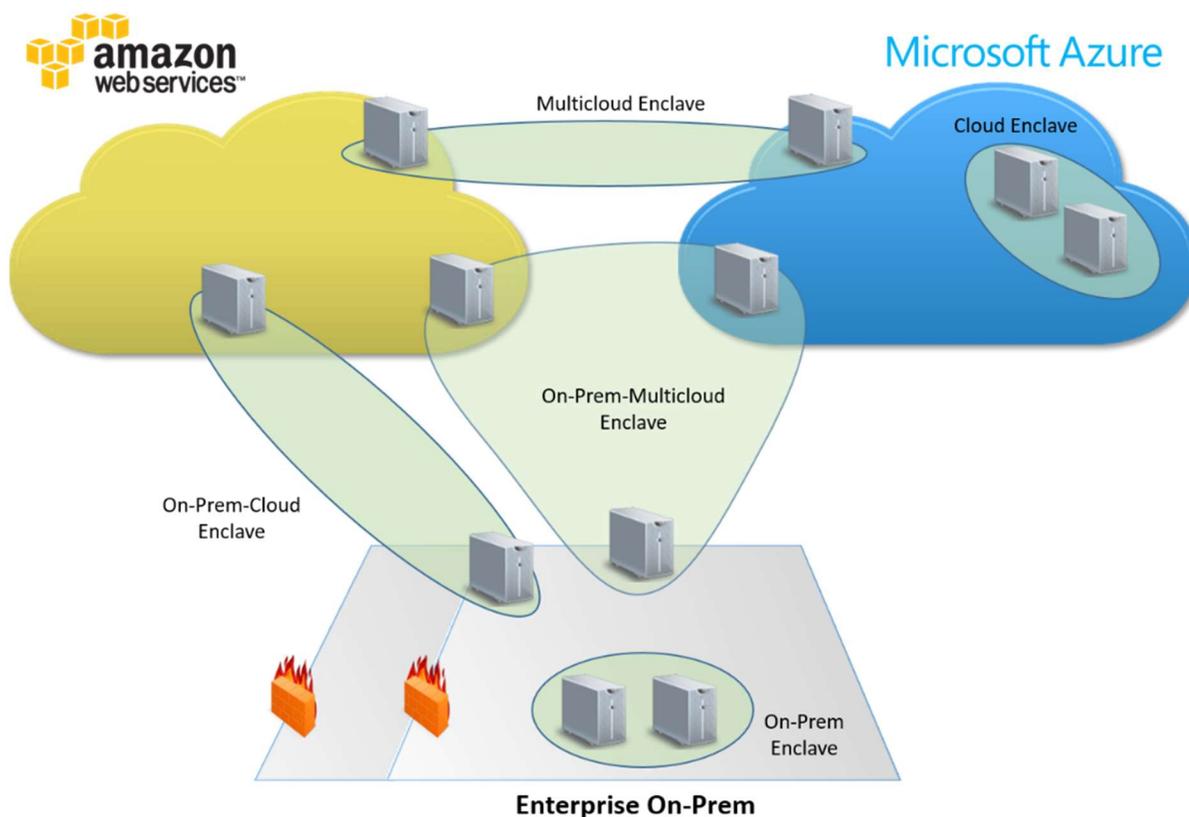


Figure 1: Software Defined Perimeter

infrastructure security expanded to the outside of the corporate firewall. The following diagram illustrates software defined perimeters in a multicloud deployment leveraging CoIP Enclave.

Advanced security mechanism such as Adaptive Learning, micro-segmentation, Application Interlock and End-to-end encryption can be deployed within Enclave for defense-in-depth.

Key Features of Software Defined Perimeter

- Security Broker for Network Access
- Micro-segmentation on multicloud deployment
- Adaptive Learning for security policy automation
- Application Interlock for CoIP overlay
- End-to-end Encryption

Key Benefits of Software Defined Perimeter

- Lowers barrier to cloud adoption
- Consistent security policy across any cloud
- Makes enterprise workloads ready for cloud migration
- Avoid cloud provider lock-in
- No changes to existing network and security infrastructure
- Help enterprise to achieve security compliance