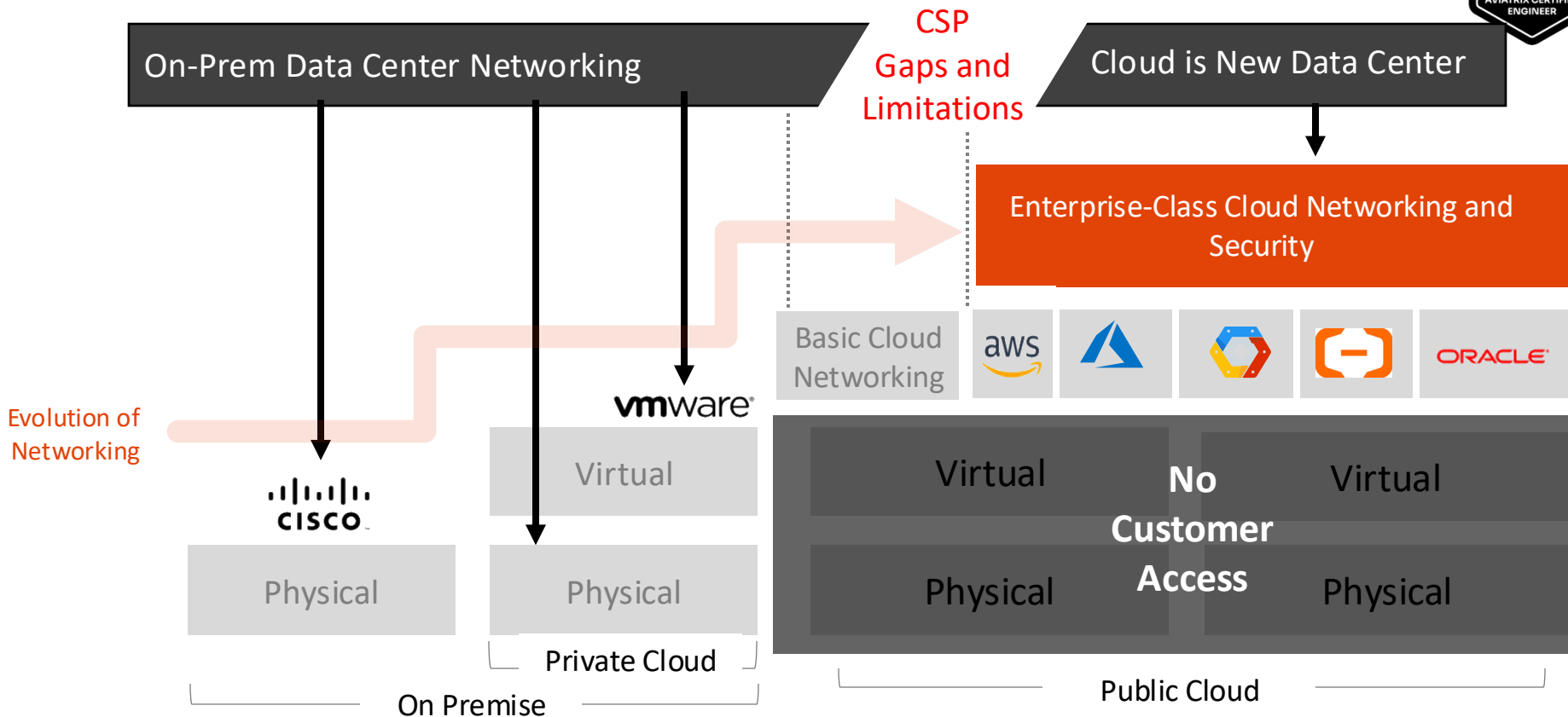




# Multi-Cloud Network Architecture MCNA

ACE Team

# CSP Networking Has Gaps | You Need a Cloud Agnostic Product (Hint: Aviatrix)



# Cloud Expertise Development



## The Challenge

Identifying what's required for secure cloud networking



## The Approach

Cloud experts collaborating intensively for a week



## The Outcome

Comprehensive cloud reference architecture

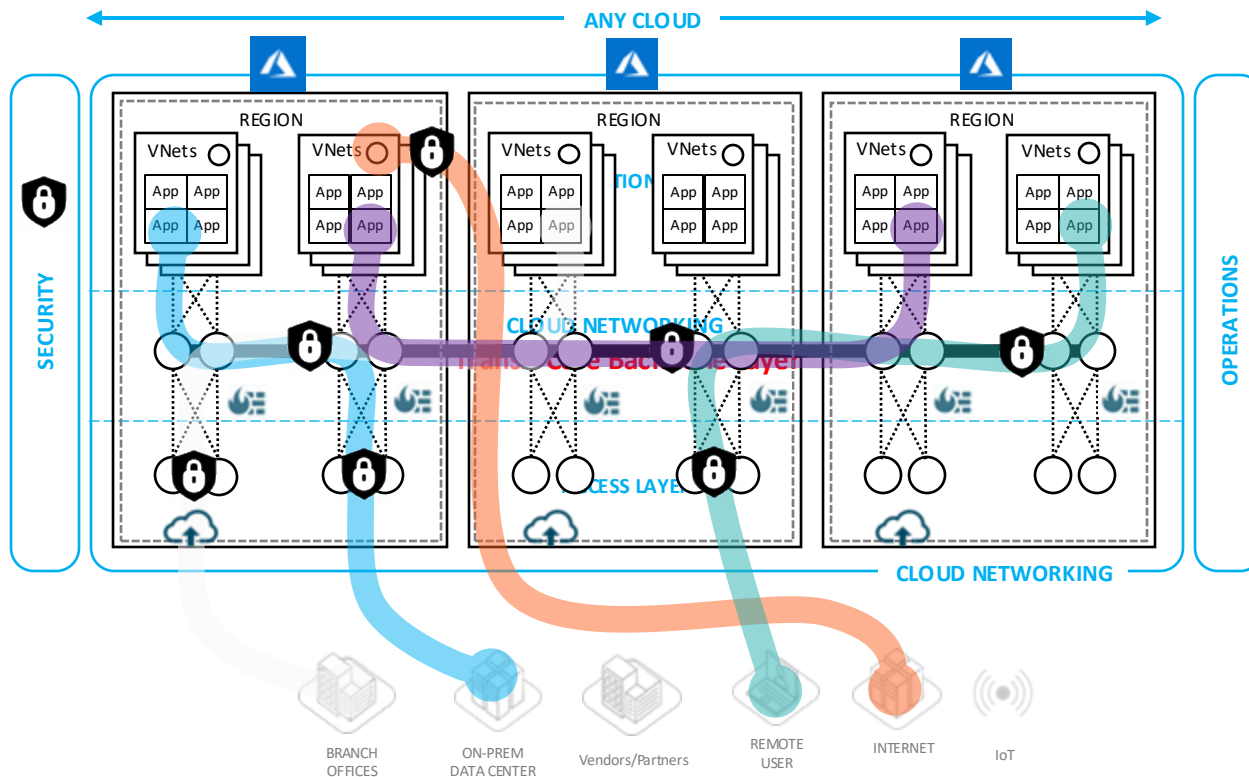
Seven years ago, Aviatrix assembled a team of cloud networking specialists to tackle a fundamental question: **"What would you need to do secure cloud networking in the cloud as far as a reference architecture is concerned?"** Through intensive collaboration, these experts developed a groundbreaking reference architecture that would serve as the foundation for the Aviatrix Cloud Firewall.



# Cloud Network Reference Architecture (Single Cloud)



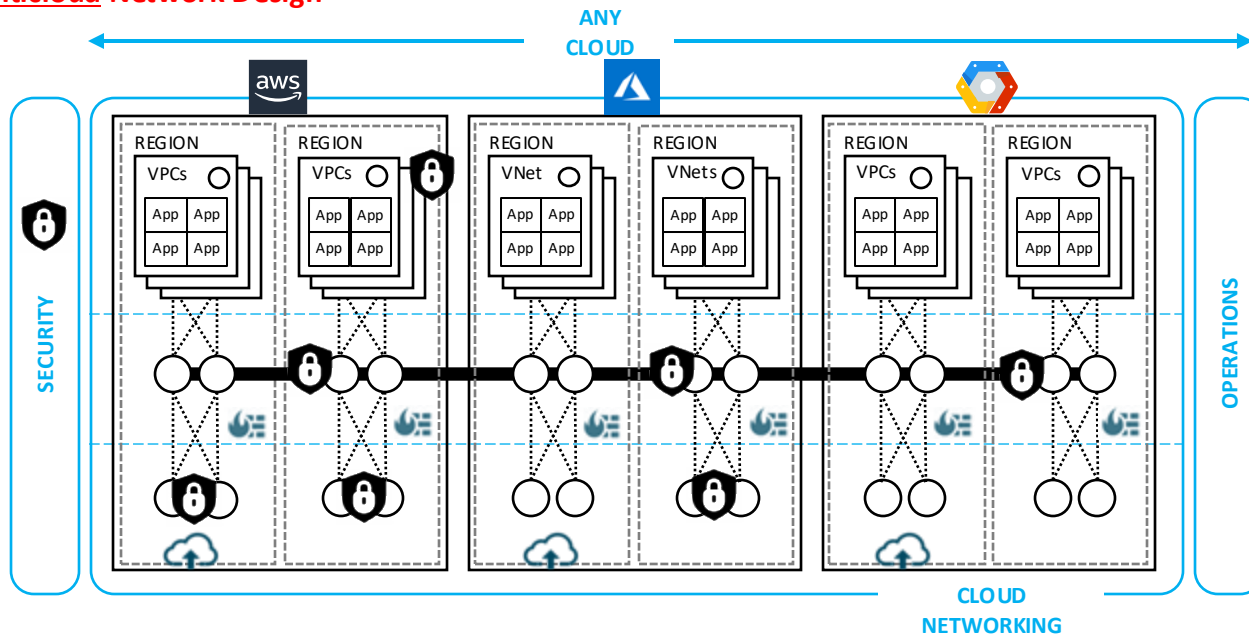
- Single Cloud, Multi-Region, Multi-Account
- Repeatable Network Design and Infrastructure as Code Automation
- Service Insertion and Chaining
- De facto Cloud Firewall
- Common Operational Visibility and Control



# Multicloud Network Architecture (MCNA)

## The Blueprint of Your Multicloud Network Design

- Multicloud, Multi-Region, Multi-Account
- Repeatable Network Design and Infrastructure as Code Automation
- Service Insertion and Chaining
- D facto Cloud Firewall
- Common Operational Visibility and Control



BRANCH OFFICES



ON-PREM DATA CENTER



Vendors/Partners



REMOTE USER



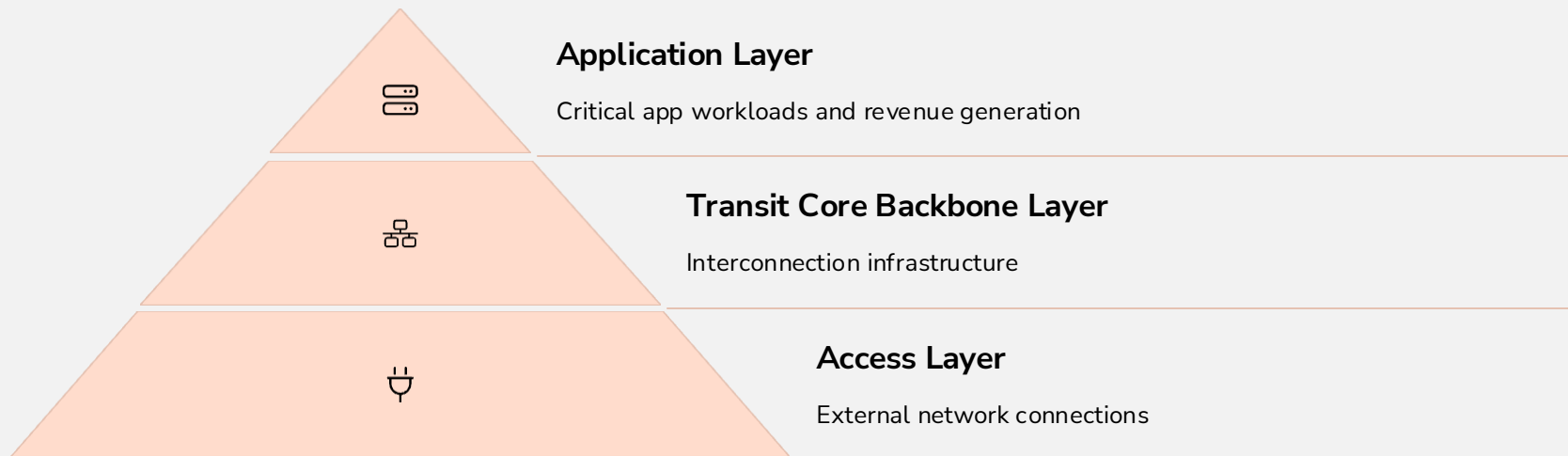
INTERNET



IoT



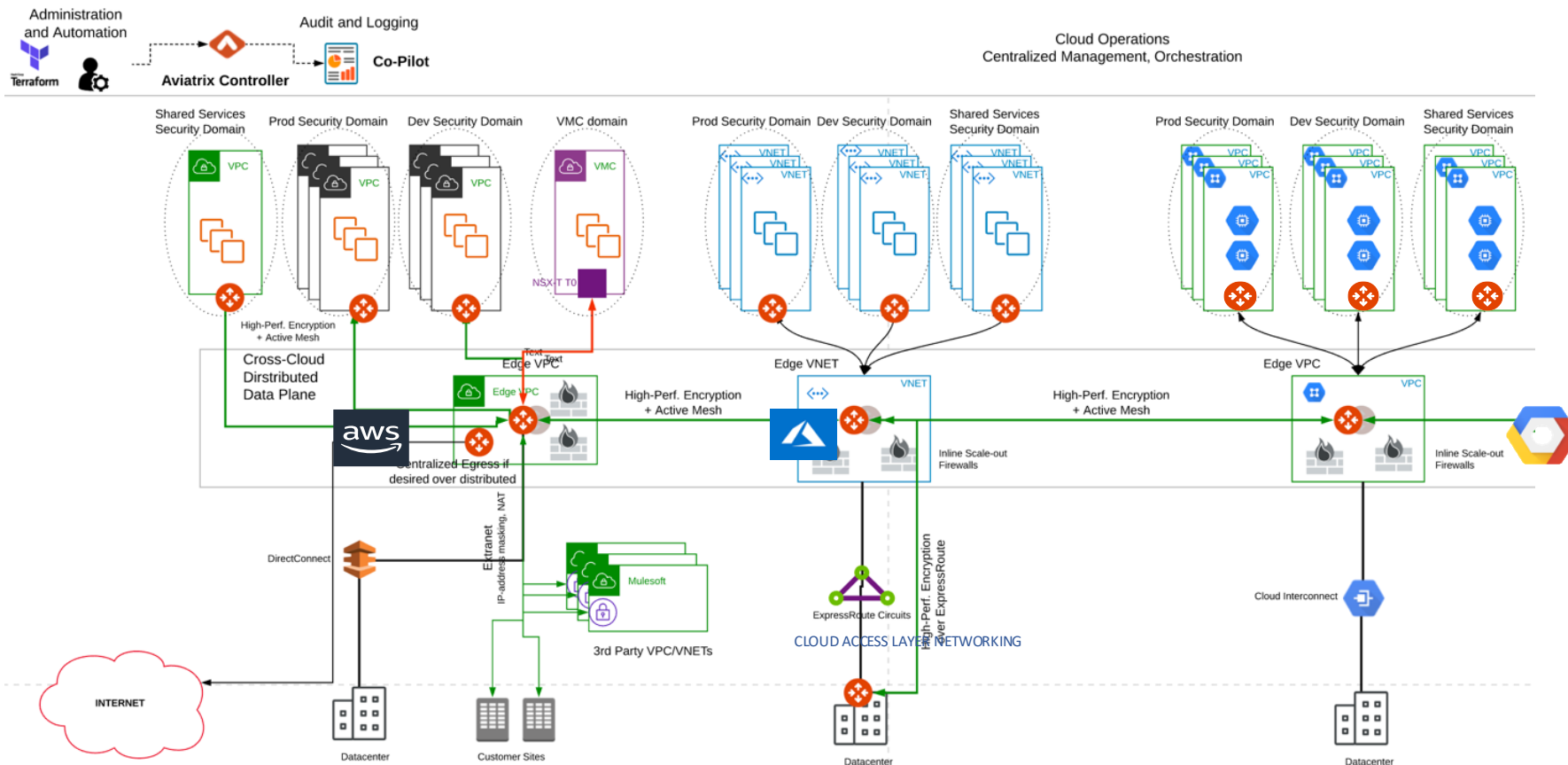
# The Multi-Cloud Network Architecture (MCNA)



Building on their cloud expertise, Aviatrix developed the Multi-Cloud Network Architecture (MCNA), a distinctive three-tier architecture that effectively interconnects cloud regions, service providers, and external networks while maintaining end-to-end security.

This tiered structure forms the networking foundation of the Aviatrix solution, providing a standardized yet flexible framework that can be implemented across multiple cloud environments or within a single cloud service provider's ecosystem.

# Customer's HLD | 3 Years Long Project | MCNA





Next: Transit Networking