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Service Provider's Zero Trust Journey

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About Speakers



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Vmware Certified Professional

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CWNA | CWDP | CWDP | CWAP

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Survey Results Matter....







Agenda

- Introduction
- Cisco's stance on Zero Trust
- Amazon Enterprise business objectives
- Legacy Network : Scale, numbers and challenges
- Zero Trust Evolved Network
- Conclusion



Key Take Aways

Guidance on how a large enterprise and other service providers build a secure agile network

Address challenges due to sheer scale, size and performance

Learn and understand how large service provider such as Amazon IT partnered with Cisco and met the key business objectives.

Build firewall/firepower in a service provider's multi-VRF infrastructure to get a seamless secured access to services hosted in AWS VPC.

Build a clear understanding to migrate complex legacy service provider network to a next-generation zero trust framework.



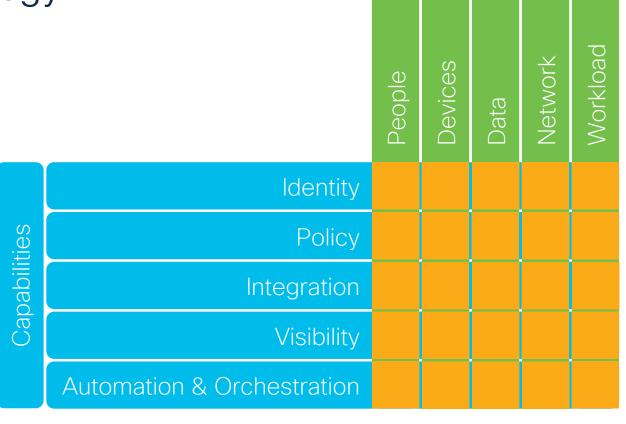


Contextualising Zero Trust



Zero Trust Strategy

- 5 capability areas
- 5 domains in which threats operate
- 25 Zero Trust
 elements
 considered for your
 strategy
- This is the bedrock of the needs analysis process





Domains

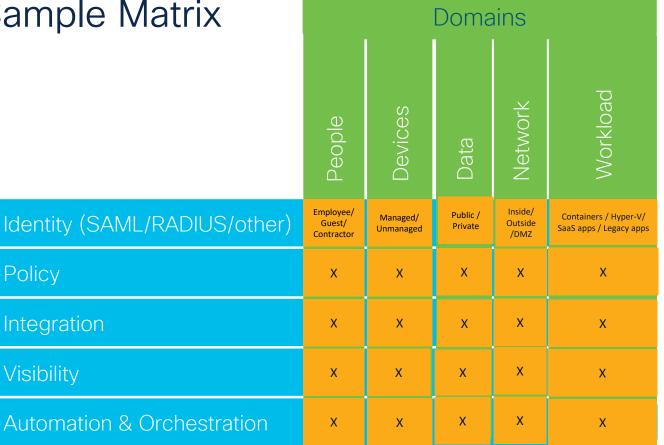
Zero Trust Sample Matrix

Policy

Integration

Visibility

Capabilities









- 1.3M+ Employees. >500K New Hires in 2021
- 3M SQ FT of Real Estate in Bellevue/Seattle (Primary HQ)
- Globally 60+ large pop locations
- 500+ large enterprise offices/sites globally
- Close to 500k remote users with 250+ VPN headends running in AWS



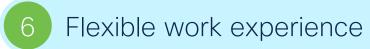
Business Objectives



- 2 Reduce global Corp footprints. Migration to cloud
 - 3 Provide least privilege access to resources
- Connect to resources in cloud/w reduce attack surface
- 5 Identify and protect critical assets



Business Objectives

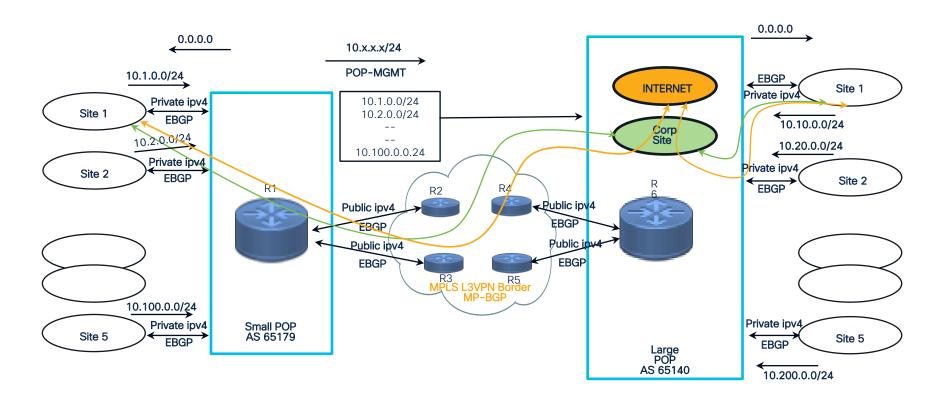




- Remove service dependencies from Corporate Network
 - 8 Client isolation and segmentation
- 9 Security with a dissolved perimeter
- 10 Resiliently respond to evolving threats

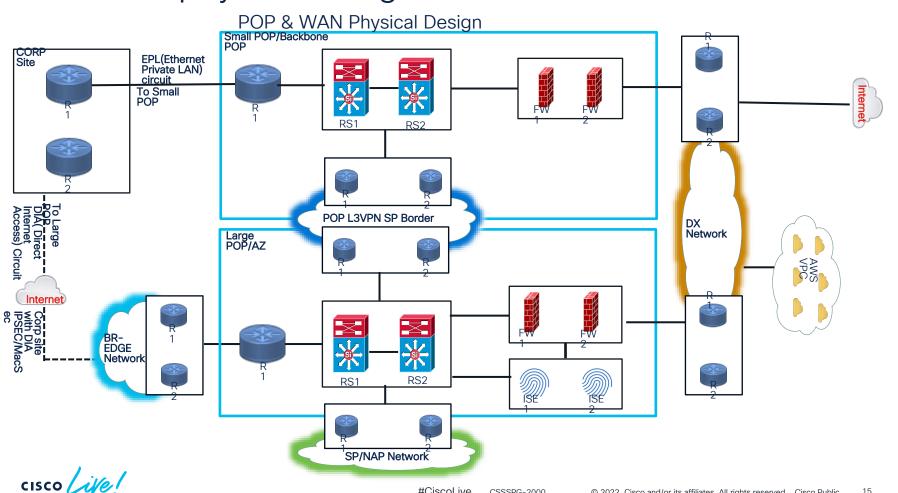


Classic Network



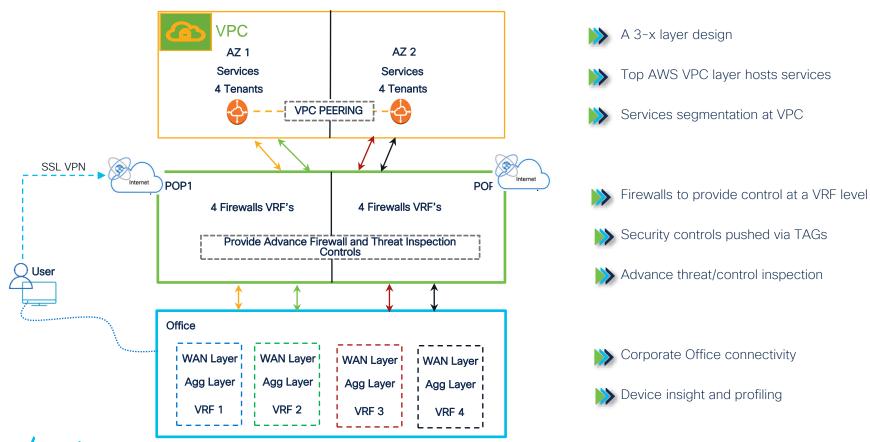


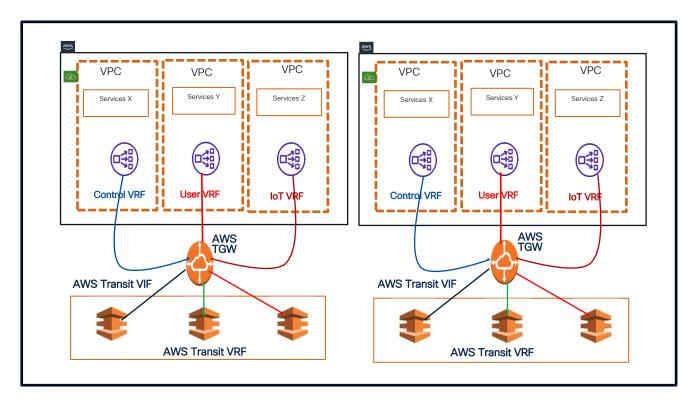
Zero Trust physical Design



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Bird's-eye view









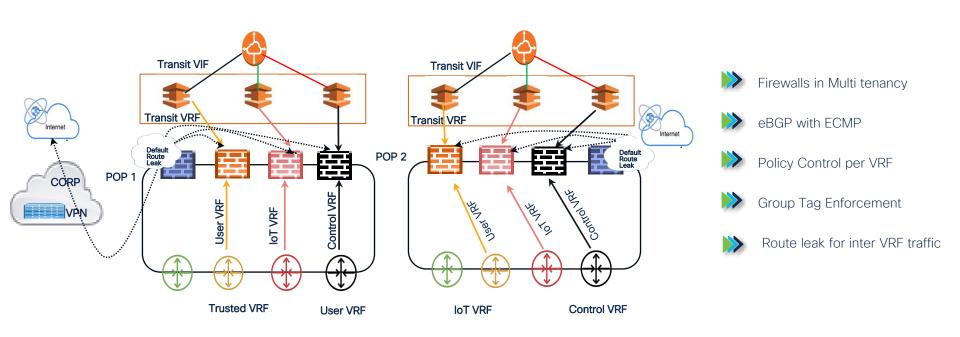






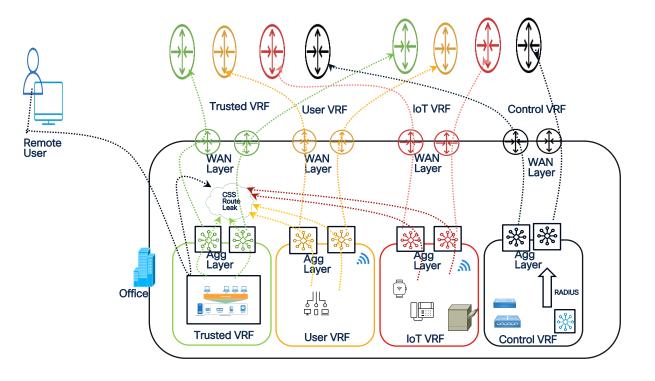






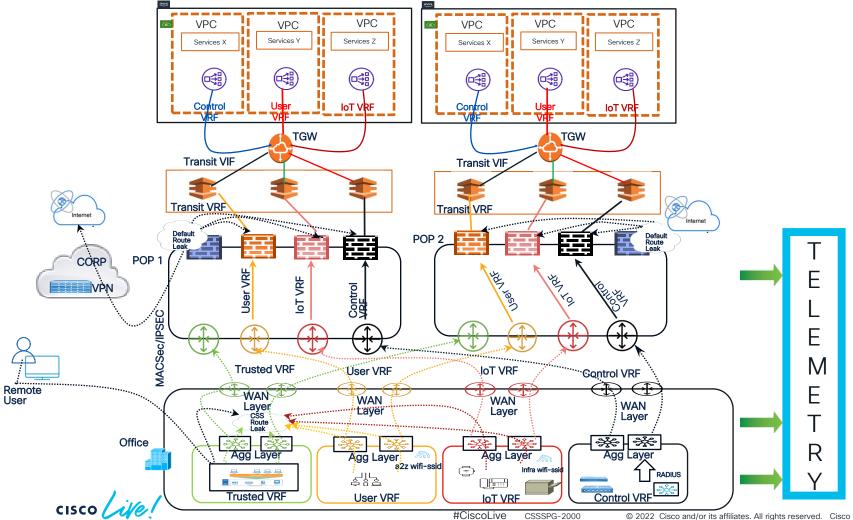


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- Campus/ Office
- Infrastructure
- MACSec/IPSEC to DIA
- Device Insights
- User /Device TAG's
- Profiling
- Policy Enforcement





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