



Fortinet Secure SD-WAN

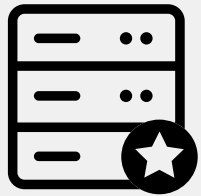
One WAN Edge Powered by One OS, One Management Transforming and Securing your WAN

Presenter

Q4 2021

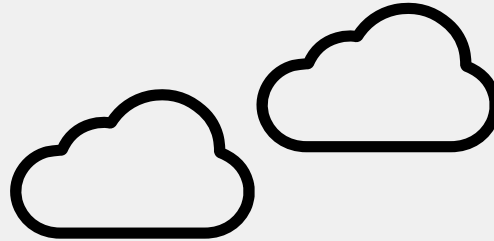


Distributed Applications and Remote Workforce are Driving WAN Transformation



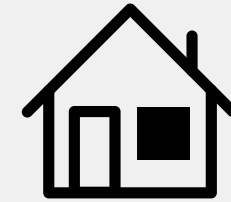
78%

Of organizations currently using IaaS



51%

Of organizations use multiple public clouds



70%

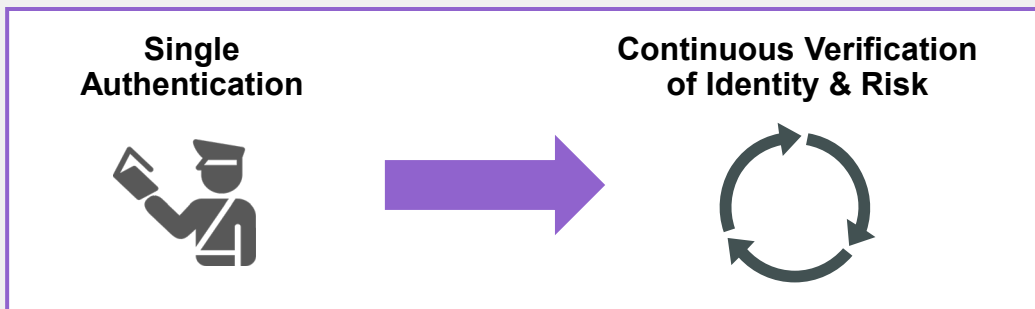
Of some of the workforce will work remotely at least five days a month by 2025

ESG: 2021 Technology Spending Intentions Survey

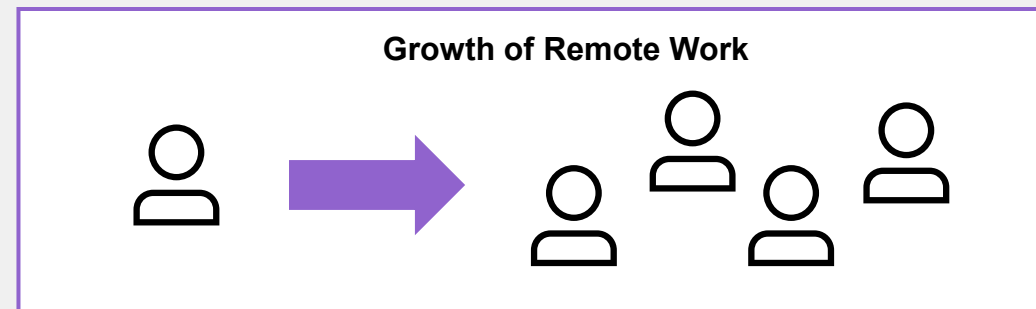
<https://www.vox.com/recode/2019/10/9/20885699/remote-work-from-anywhere-change-coworking-office-real-estate>



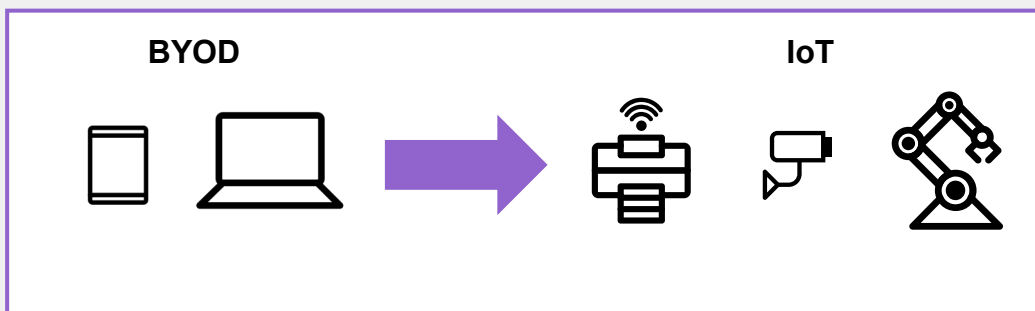
Enterprise Access Trends



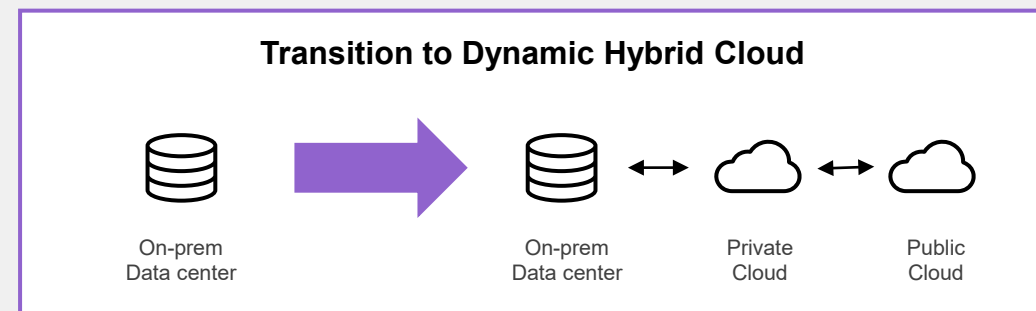
By 2024, 70% of application access will use MFA, up from 10% today¹



Workforce shifts from 4% teleworking to 30% teleworking by end of 2021²



By 2025, there will be **12B** installed IoT devices³



Since nearly every organization needs it, hybrid IT use-case requirements have become more common among Gartner clients.⁴

1 Gartner Magic Quadrant for Access Management, 12 August 2019

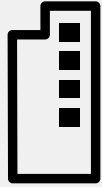
2 Global Workplace Analytics

3 Gartner IoT Forecast

4 Gartner Magic Quadrant for Public Cloud Managed Services, 4 May 2020

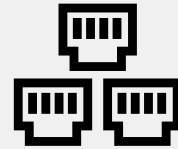


Current Architecture is Insufficient and Complex



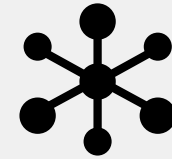
Network Edge

- ✓ Disparate Mgmt Console and Complex Architecture
- ✓ Compliance, Difficulty Securing Users & Distributed Applications



WAN

- ✓ Cumbersome IP Routing Configurations
- ✓ Limited Bandwidth Capacity Utilization & end-to-end Visibility



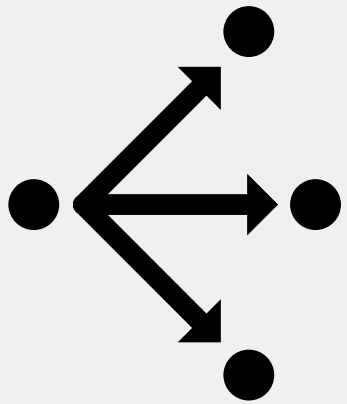
Applications



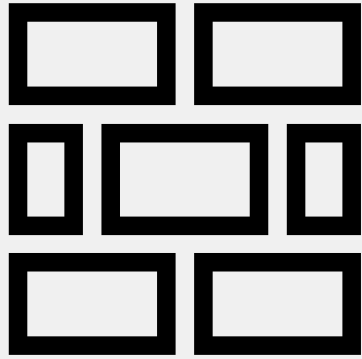
- ✓ Unpredictable Application Performance and Availability
- ✓ Limited multi-cloud connectivity and security

Poor User Experience, High WAN Cost, Complex Operation, Increased Risks

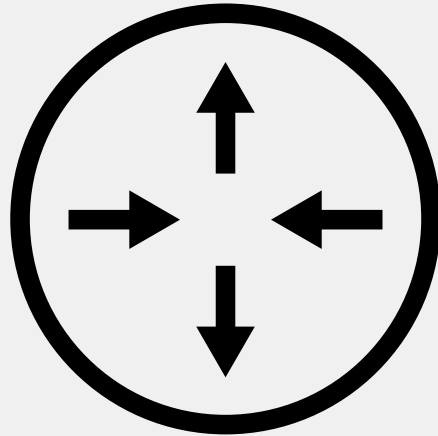
Four Products (4 Management Consoles) + Analytics



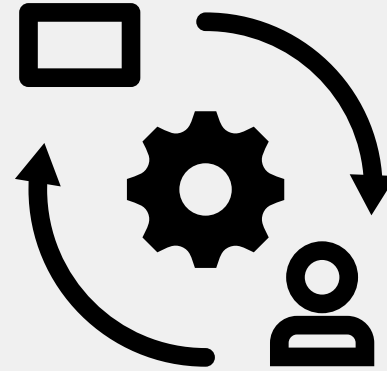
SD-WAN



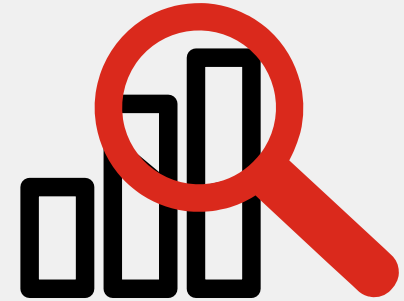
NGFW



Routing



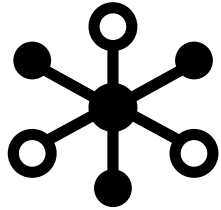
ZTNA



Visibility & Analytics

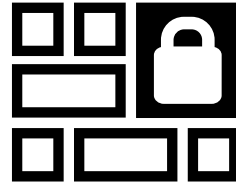
IT Outcomes

Deliver Superior Quality of Experience at Scale



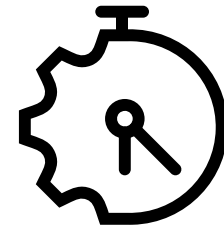
Dynamic app steering based on SLA and first packet classification [including encrypted traffic] of > 5,000 apps with self-healing capabilities

Simpler and Faster to Secure Networks



One WAN edge for networking, security, routing and analytics

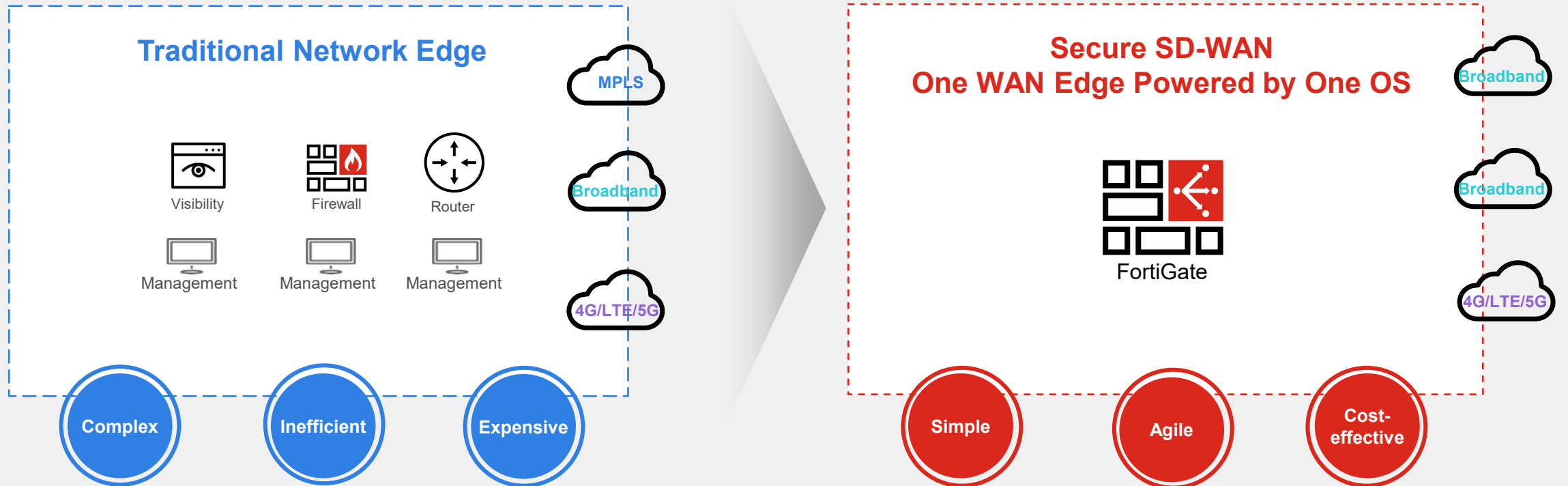
Achieve Operational Efficiencies



One management for automating configuration & deployment, orchestrating policies, and analytics and reporting

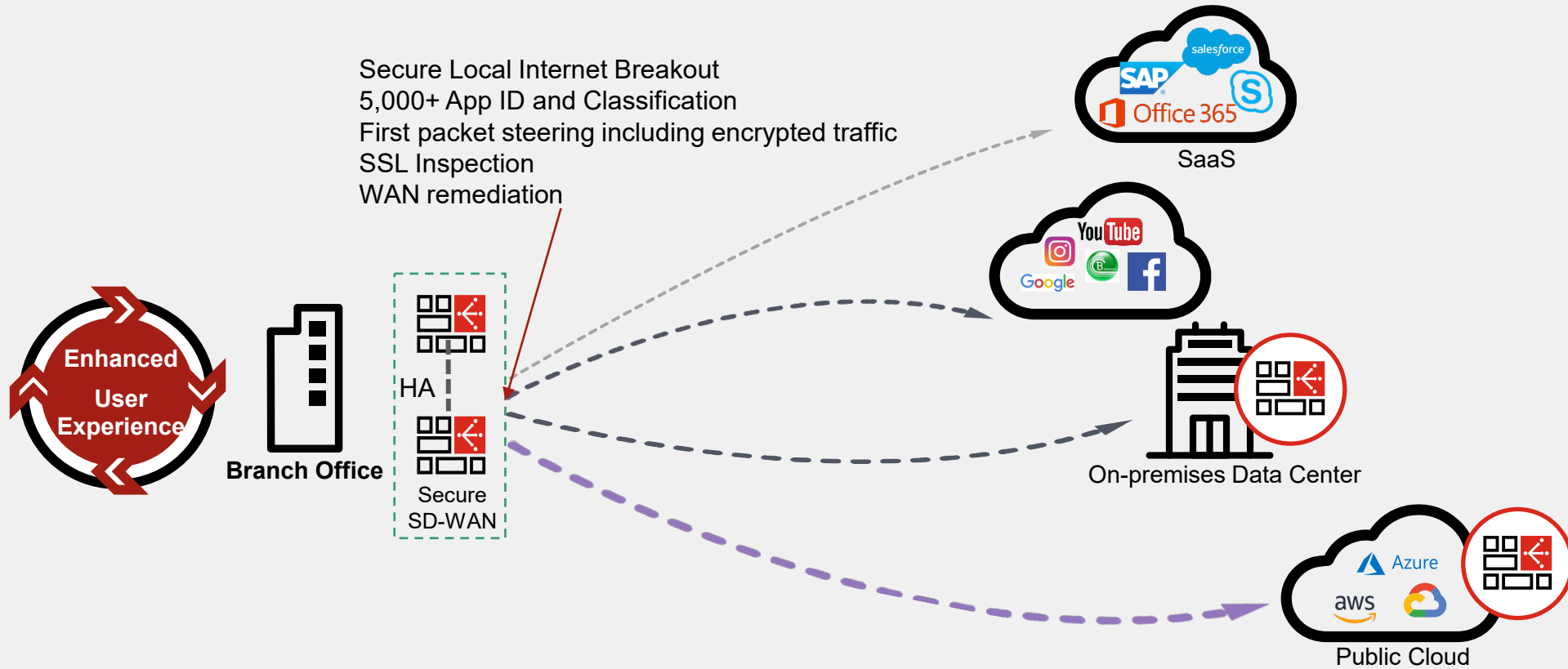
Simplified Architecture and Management

Consolidated Functions into One WAN Edge Powered by One Device



Enabling Application Resilient Networks

Secure Local Internet Breakout



Intelligent Steering
Traffic Agnostic

Reliable Accuracy
Including encrypted traffic

Continuous Learning
Broadest support 5k+ apps

Self-healing
Realtime Optimization



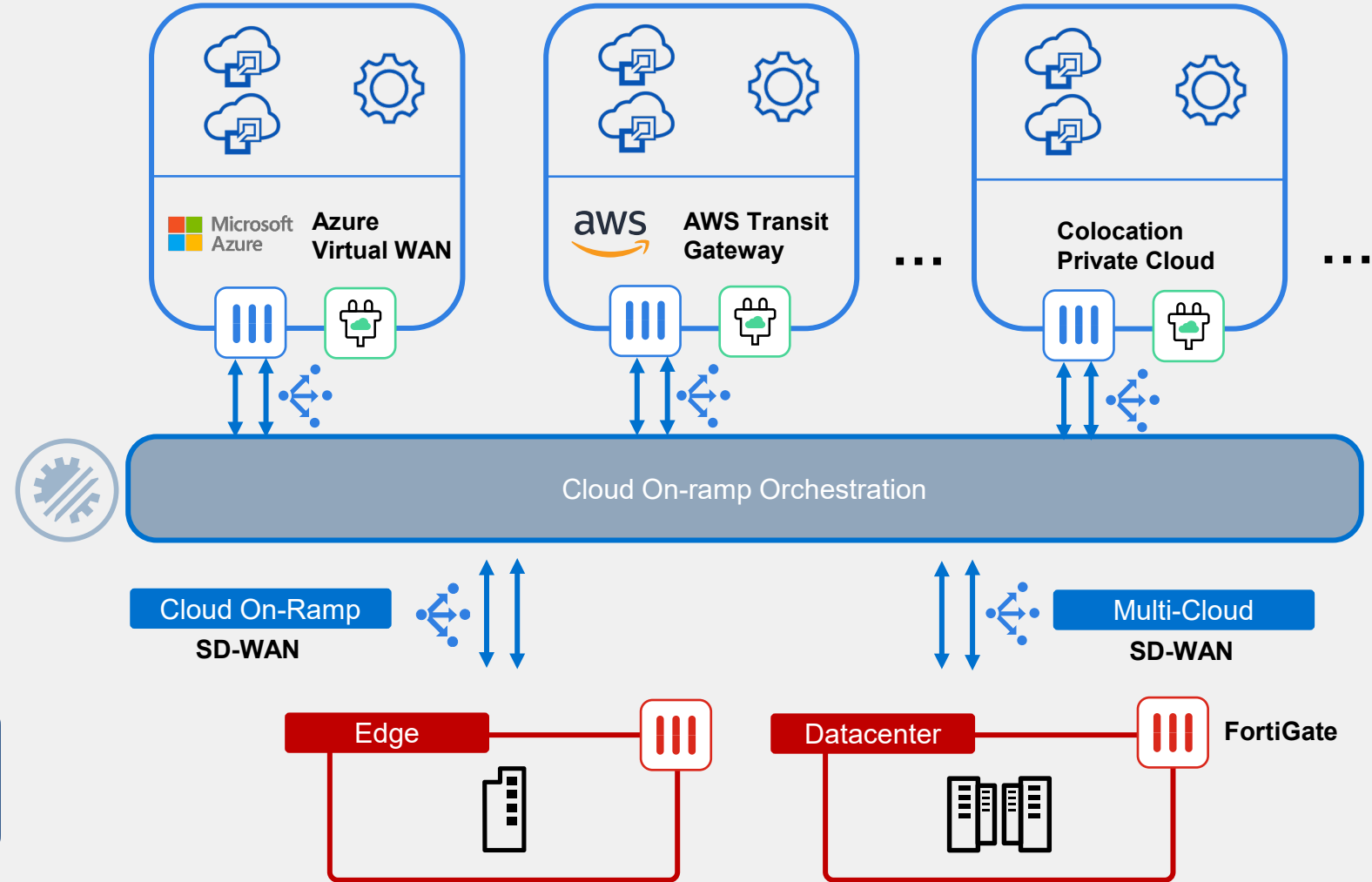
Secure SD-WAN for Hybrid and Multi-clouds

Enabling the Cloud On-Ramp & Multi-Cloud

- Cloud-native connectivity integrations
- Automation for efficient cloud operations
- Superior Application QoE

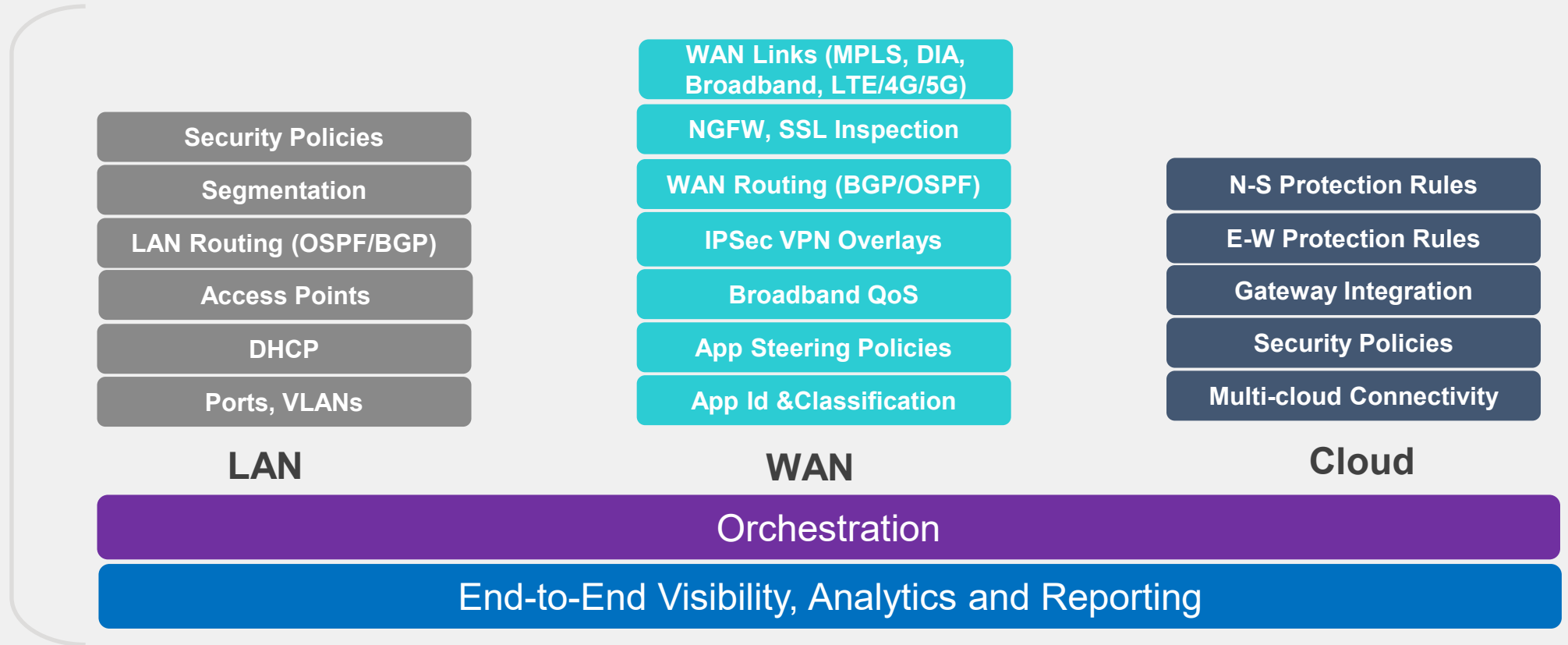
Simplifies SD-WAN deployments across multi-cloud and hybrid clouds

Applications / Workloads



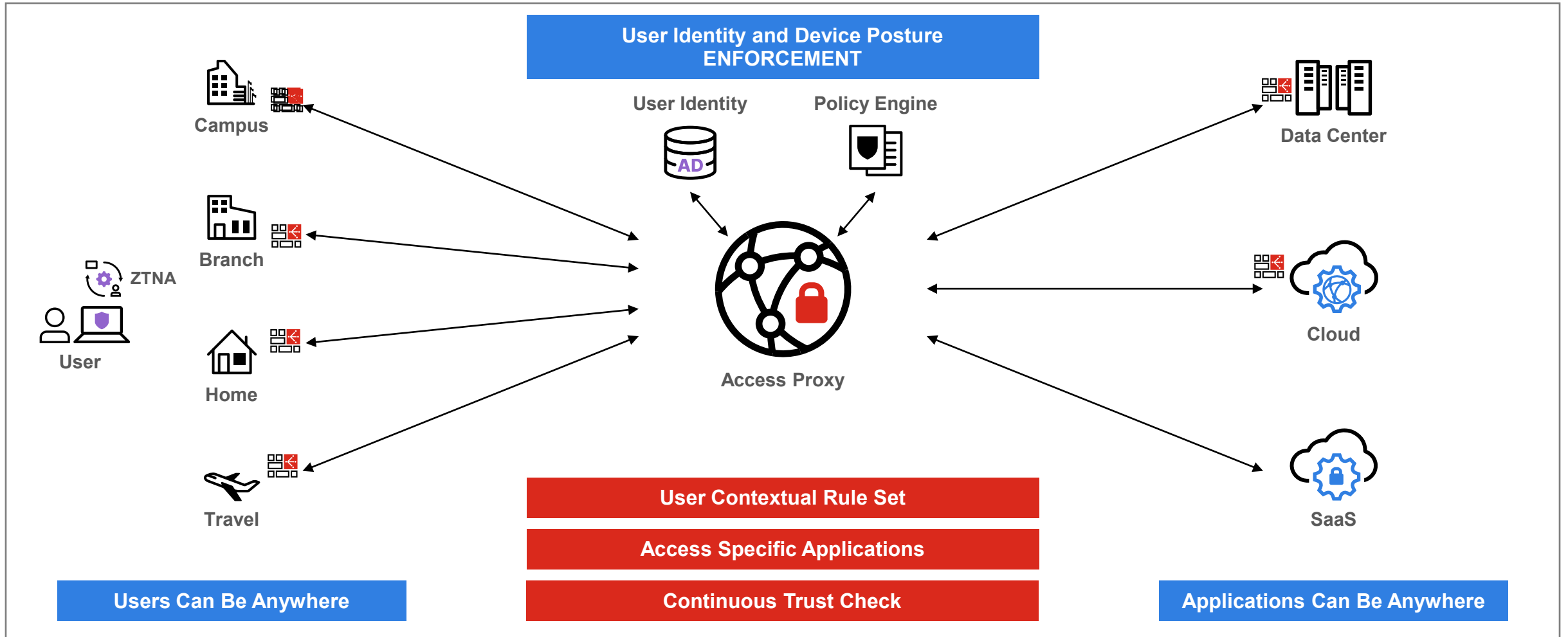
Single Pane-of-Glass

Network Wide Visibility, Analytics & Orchestration



Enforcing Zero Trust Access Across SD-WAN Edges

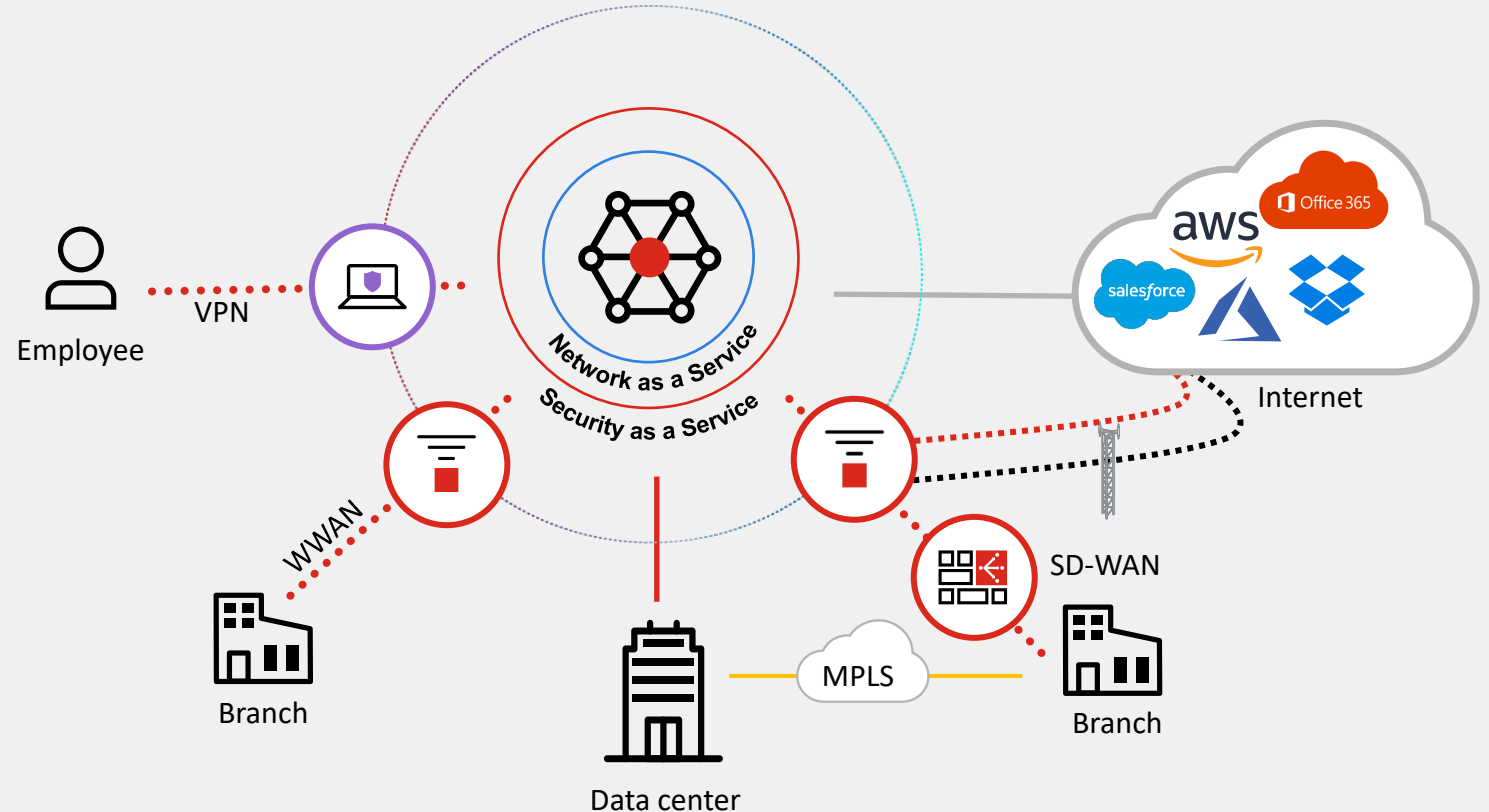
Securing Work-from-Anywhere with Explicit Application Access Per User



Secure SD-WAN Expansion With LTE/5G

Outcomes

- Create 5G and LTE wireless interface to create SD-WAN rules and performance SLA's
- Simplified operations with centralized orchestration and analytics for SD-WAN and SD-branches
- **Fluid user experience for light branch users**



Fast, Automated Secure Connectivity “to, in, between” Clouds

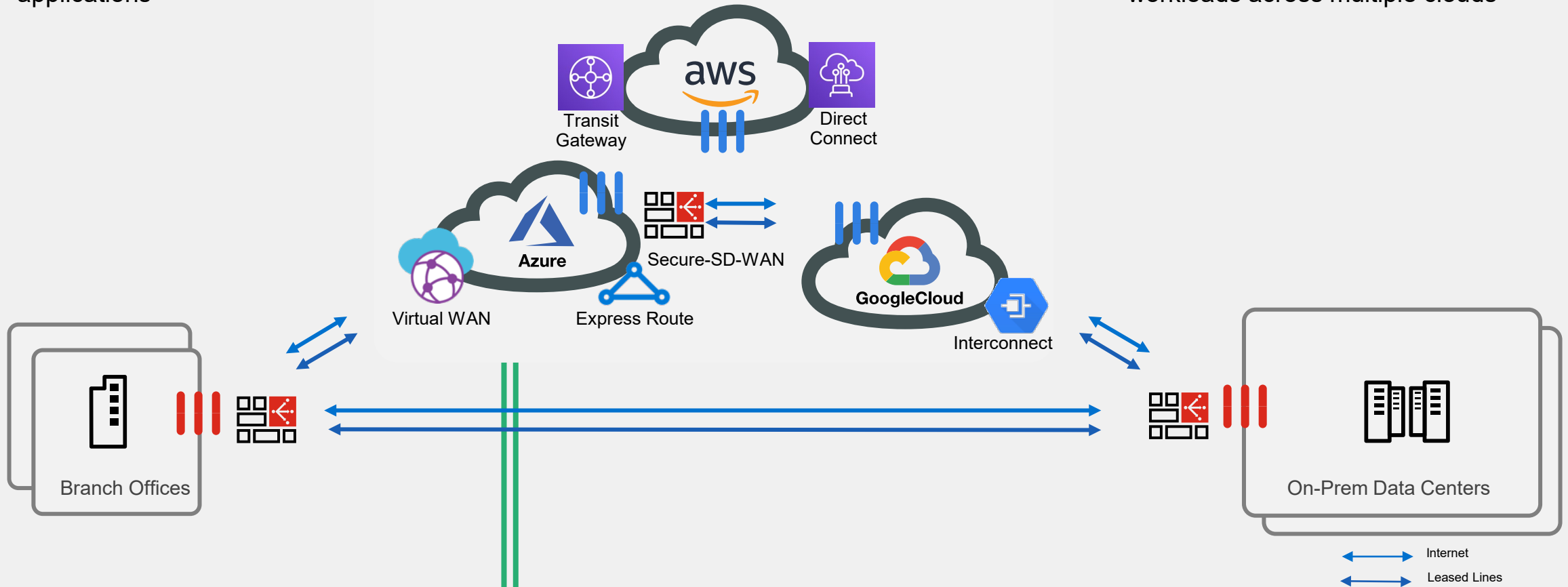
Industry’s First SD-WAN for Multi-Cloud Solution

Cloud On-Ramp

Connecting users to applications

Multi-Cloud

Connecting applications and workloads across multiple clouds



SD-WAN Leading Use-cases

Designed for the Cloud-first, Security-sensitive and Global Enterprises

Transform WAN and Security With One WAN Edge

Transform WAN and security with One WAN Edge powered by one OS, one management; built-in SD-WAN, advanced routing and NGFW protecting the entire digital attack surface

Simplified Secure SD-Branch

Simplify the branch architecture with Secure SD-WAN and integrated NAC, WLAN, LAN, and LTE/4G/5G. All centrally managed and scalable to 1,000s of sites

Optimize Hybrid Workforce Experience

Enhance work-from-anywhere over any transport with Secure SD-WAN, ZTNA and consistent management enabling a SASE framework

Secure, Enhance Network Performance of Hybrid, Multi-cloud

Enable secure, seamless, faster connectivity into the cloud, in the cloud and across clouds with a single VM reducing foot print and cloud-on-ramp orchestration

Enable Predictable Application Performance and Resiliency

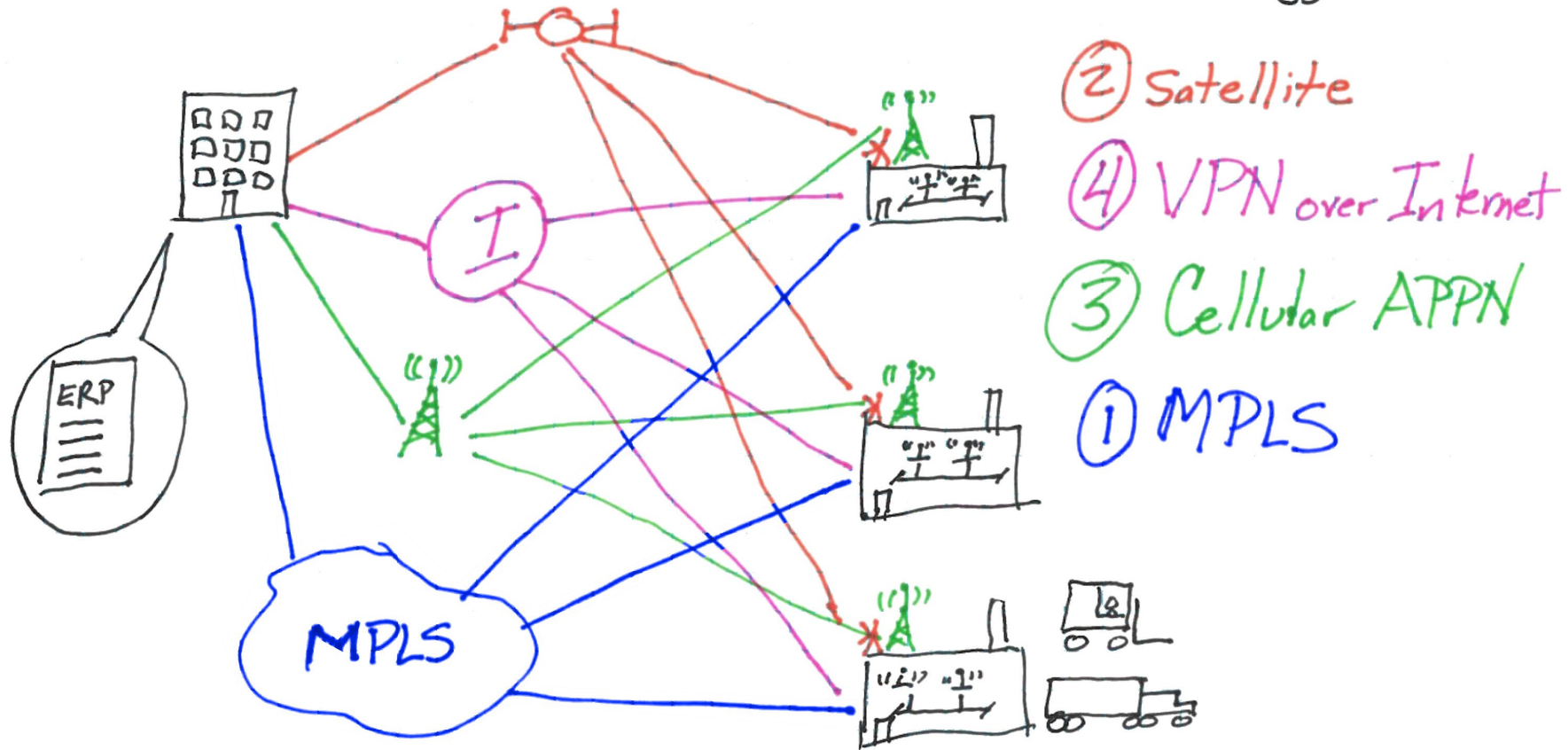
Enable reliable user experience on any transport with rich routing and advanced WAN remediation for self-healing networks

Achieve Operational Efficiencies Across WAN and Cloud Edges

Automate the design, deployment and operation for large scale environments; single pane-of-glass providing network wide visibility, analytics, reporting and orchestration



Customer # 1 - the inventors of the Mc Nugget



Needed: extremely highly available Wide area connectivity
robust Wifi
Intra-plant network security

SDN → SD-WAN → SD-Branch

Software Defined X

where X = Wide Area Network

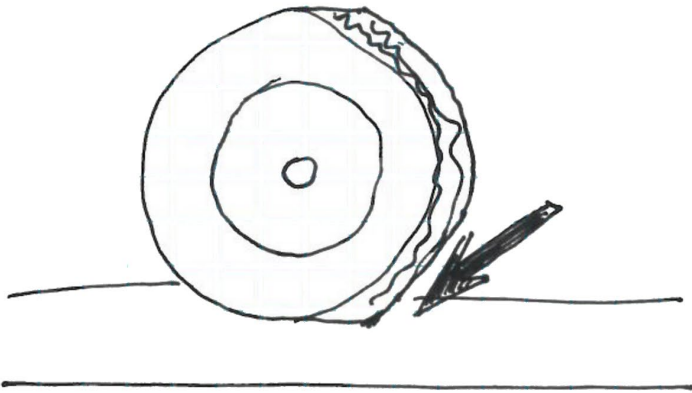
= Branch

Software defined networking depended on the idea that general hardware would get fast enough that non-network specific hardware would be needed.

In this case, a generic platform could simply move network traffic as defined by software such as Infrastructure as a Code (IaaS).

HARDWARE MATTERS...





Leave the buzzwords
behind



Focus on the goals:

- o easy to manage
- o flexible
- o easy to deploy
- o scalable
- o future proof
- o security

- One pane of glass
- can adapt to changing conditions
- let the janitor do it
- add as needed
- technology improves but
forklifts are expensive
- threats change so technology
needs to adapt



Please stop by and
visit us at our booth!