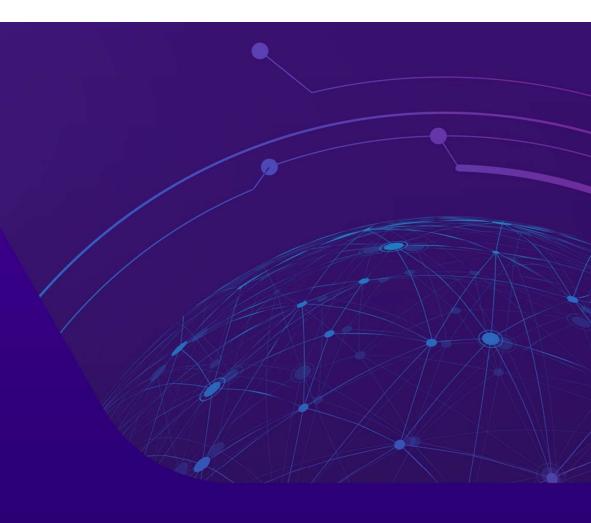
Sichere Netzwerk Infrastruktur

Olaf Hagemann | Oktober 2023





Extreme Networks At a Glance



Founded in 1996 in SILICON VALLEY, CA







More Than
50,000
Customers

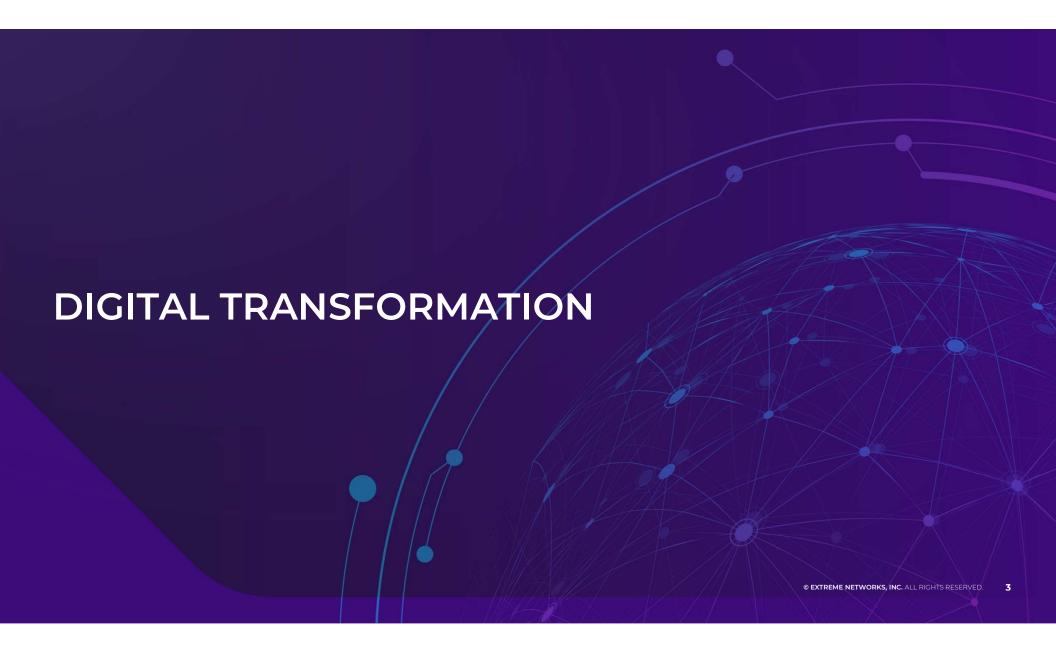








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Real-world Enterprise Needs



5 years to digitize or fail

Biz leaders: Those who don't digitalize quickly are doomed¹



54%

IT environments are more complex than two years ago²



82%

Of biz leaders will continue employee remote work³

IT skills shortage:



Mid-market, global orgs have IT skills shortage²



Say digital capabilities helped with pandemic challenges¹



1/3

Of all workers worldwide will work remotely at times in 2022⁴

Deloitte, April 2021 https://www2.deloitte.com/us/en/insights/topics/digital-transformation/digital-acceleration-in-a-changing-world.html

²ESG, August 2021 https://www.esg-global.com/research/esg-master-survey-results-network-modernization-trends Deloitte, April 2021 https://www2.deloitte.com/us/en/insights/topics/digital-acceleration-in-a-changing-world html

*Gartner https://www.gartner.com/en/newsroom/press-releases/2020-07-14-gartner-survey-reveals-82-percent-of-company-leaders-plan-to-allow-employees-to-work-remotely-some-of-the-time

Gartner https://www.gartner.com/en/newsroom/press-releases/2021-06-22-gartner-forecasts-51-percent-of-global-knowledge-workers-will-be-remote-by-2021

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AND CONTINUES WITH RELENTLESS EXECUTION



Extreme's Commitment to Customers



Reduce Complexity

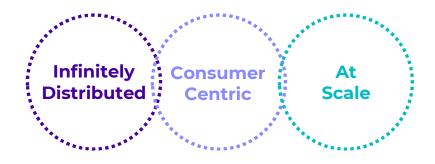


Deliver Trust



Your way, at your pace

Extreme's Vision for the Enterprise



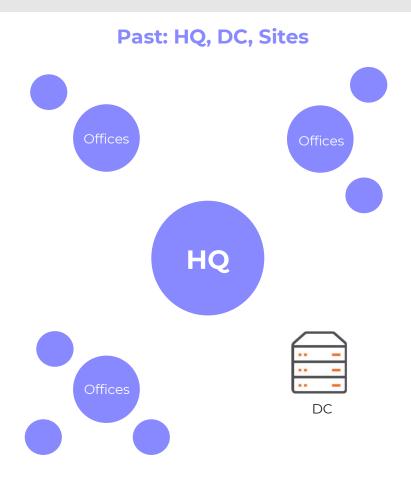


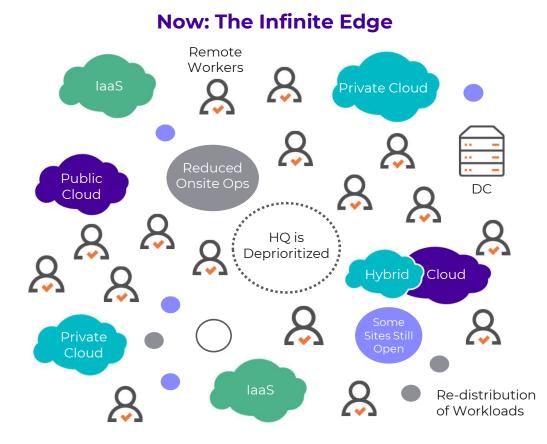


The Infinite Enterprise

Where is the perimeter?







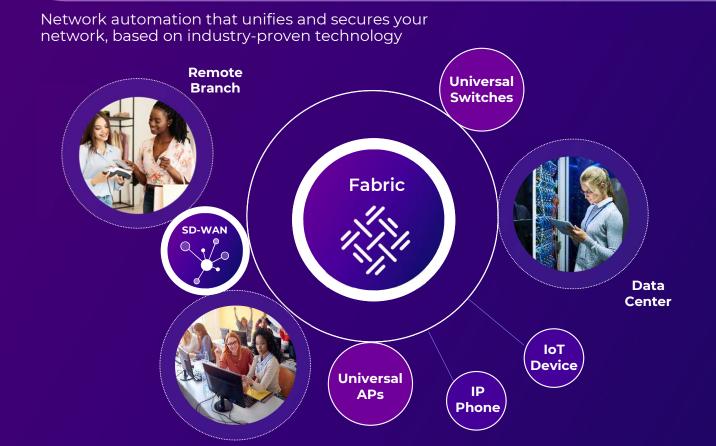
1 Network Connects Everyone, Everywhere – Securely and At Scale





Fabric Ties Together 1 Network – Reduces Risk, Simplifies Operations





Campus

Unified

- Highly scalable across data center, campus, branch
- Wired, wireless, SD-WAN, 3rd party devices
- IEEE 802.1Q based

Automated

- Instant setup
- 11x faster time to service
- 7x better time to repair

Secure

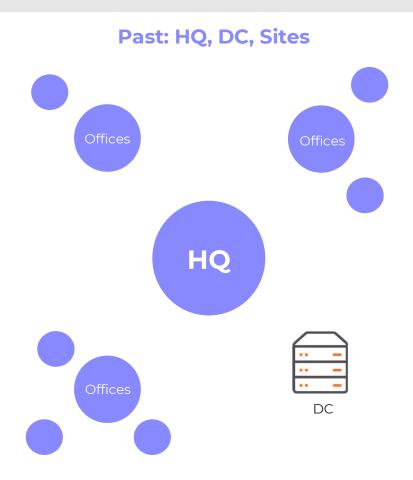
- **Hyper-segmentation** blocks lateral movement
- MACsec compatible
- Unbreachable in hackathon events

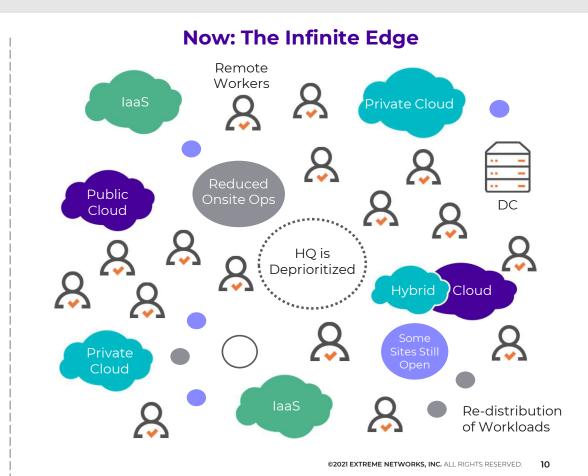
Most widely deployed campus fabric with 5,000 customer fabrics in place!

The Infinite Enterprise

Where is the perimeter?







De-Perimeterization and its impact



... the way security is organized as a series of walls or layers around an organization's private network perimeters and boundaries will need to change radically



Maintaining Information security at the boundaries of an organization have become unworkable

The Need for a Zero Trust Architecture





Zero trust moves defenses
to focus on users, assets, and resources

- NIST¹

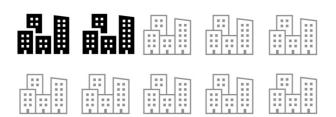
- Zero trust assumes no implicit trust granted to assets or user accounts
- A Zero Trust access architecture creates context-based access control to applications which can 't be discovered by the user unless "published" explicitly to them

Zero Trust, Do I Really Need It?



2022

The year supply chain ransomware attacks are going to peak (eSecurity Planet)



20%

of companies faced a security breach because of a remote worker.

(The Malwarebytes)



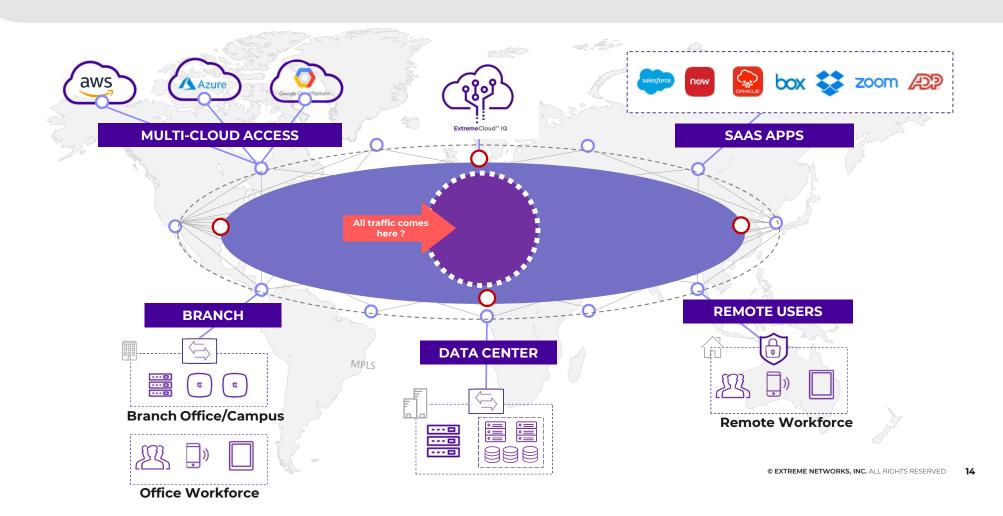
More than

90%

of cyber attacks begin as spear phishing emails. (Trend Micro)

Zero Trust Security: From Anywhere to Anywhere





What Zero Trust Can Do





It reduces your attack surface and "blast" radius



Is more effective than traditional VPN technologies



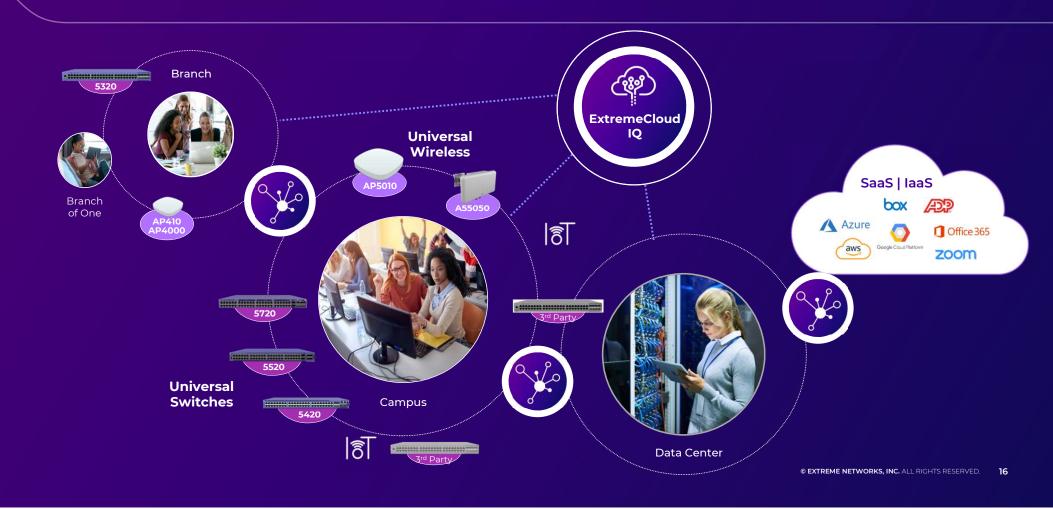
Implements a least privilege approach



Allows you to get insured

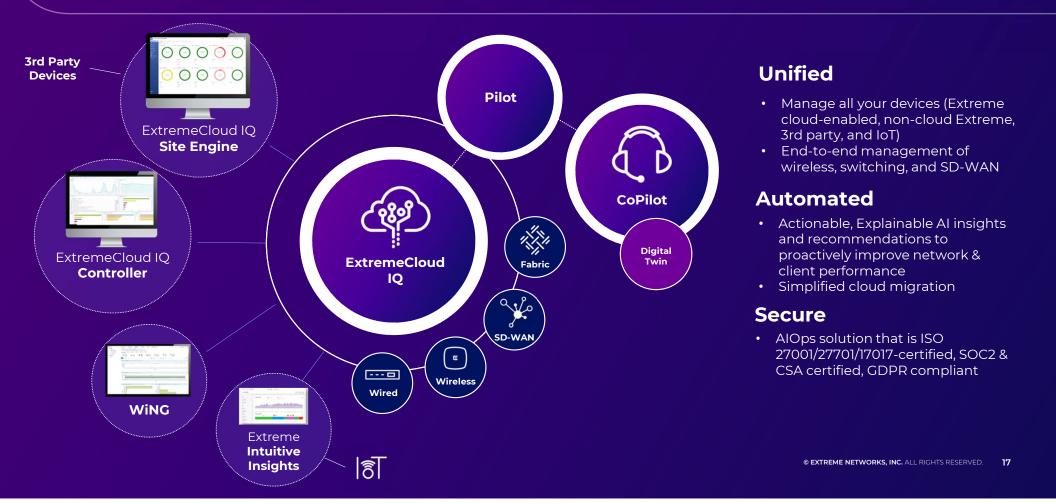
1 Cloud Manages Everything with Intelligence at Scale





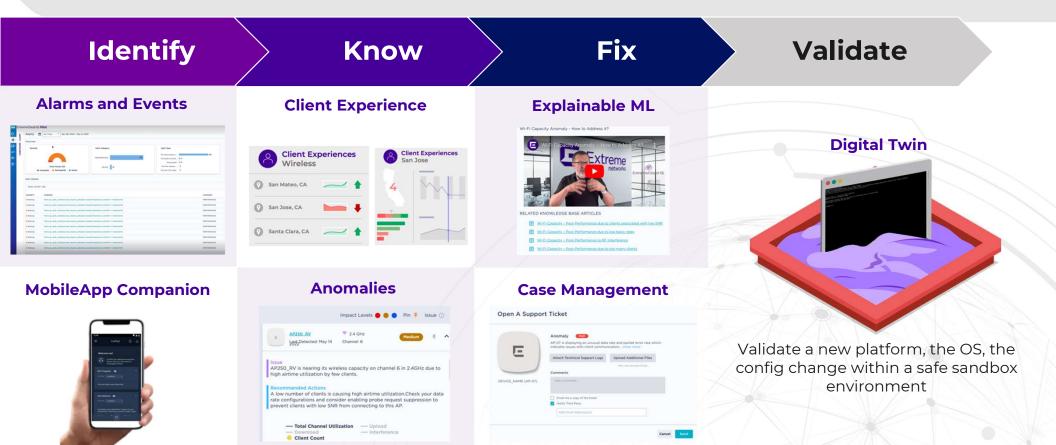
ExtremeCloud: Managing 1 Network from 1 Cloud





ExtremeCloud IQ CoPilot Raises Bar for AlOps, Reduces MTTR





Unmatched Multi-Cloud

Unmatched Data-Privacy & Security

Explainable ML Approach

The clouds we build on



Three tier-1 cloud providers

- o AWS
- o GCP
- o Azure

Shared responsibility models

Cloud Responsibility

 Physical security, hosts, virtualization and underlying OSes, cloud network, storage, IAM, platform services, etc

App Provider (Extreme) Responsibility

 Customer data, application software, app platform, app IAM, client-side connectivity into cloud, and configuration of OS, network, and security services

Cloud Operator Compliance

- SOC 1, 2, & 3
- SO 9001, 27001, 27017, 27701
- CSA STAR SECURITY CONTROLS
- GDPR, PCI, HIPAA
- DOD, FIPS, C5, ASIP, FISC, NIST, and more!!

Transforming Into An Infinite Enterprise While Reducing Costs, Simplifying Operations





