ZTEdge™
By Ericom Software

Cloud Area Network™ for Remote Server Access

Zero Trust Cloud Area Network Provides Simple and Secure Peer-to-Peer Access Between Distributed Servers, LANs and Users

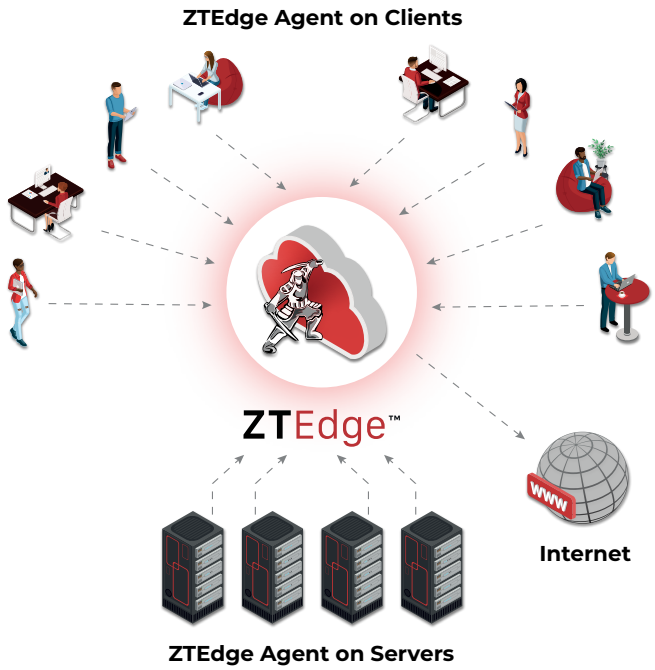
Cost-effective next-generation networking approach enabling secure, cable-free, policy-controlled connections between all types of endpoints located anywhere, worldwide

The recent mass migration to – and normalization of -- remote work has accelerated the move to a distributed access model that's been underway since the advent of cloud computing. The transformation that began with SaaS applications and private cloud environments has now reached networking and is bringing the Ethernet age to a close.

Even as adoption of cloud computing enabled communication and collaboration between geographically distributed branch offices, most organizations continued to deploy costly physical Ethernet cables and on-premises switches to create WANs and LANs that keep them connected.

To enable remote users to access those networks and to deliver solutions and services to customers, organizations still rely on VPNs, despite their vulnerability to attack and poor scalability. And VPN-based connections to networks are notorious for providing too much access to users because of their outdated architectures, making the move to new security approaches like Zero Trust nearly impossible to implement.

Ethernet-based networks have run their course. It's time for cost-effective cloud-based networks that leverage Zero Trust security to enable granular, efficient, policy-controlled traffic between users, devices and endpoints, regardless of where they are located.



The Solution: ZTEdge Cloud Area Network

ZTEdge Cloud Area Network enables high-performance, secure, peer-to-peer connections between all types of endpoints, in any locations. Replacing costly cables, switches, and routers with high performance WireGuard® UDP/IP tunnels between all sorts of devices and resources (on-premises and cloud-based) creates networks that offer excellent performance and unprecedented portability.

In addition to greater efficiency and scalability, Cloud Area Networks have Zero Trust security built in. Security controls based on granular policies for each user and network resource (server, switch, etc.) are applied at each Cloud Area Network, cloud security switch and tunnel. Key Zero Trust security capabilities in the Cloud Area Network include Zero Trust Network Access (ZTNA), firewall/IPS, and secure web gateway and remote browser isolation (SWG/RBI).

Unlike SD-WAN solutions, which requires on-premises devices and provides network-to-network connectivity, the ZTEdge Cloud Area Network enables policy-controlled peer-to-peer connectivity through a software agent that is deployed on each user device, server, IoT device or other element on the network. Each agent simply connects silently to the Cloud Area Network as the unit powers up.

For organizations with legacy LANs, deploying a ZTEdge Cloud Area Network connector enables policy-controlled peer-to-peer connections with each individual device on the existing LAN, rather that with the LAN as a whole, as would be the case in an SD-WAN based approach.

ZTEdge Cloud Area Network Highlights

- Low-cost, cloud-based replacement for costly Ethernet-based WANs and LANs
- Policy-based Zero Trust controls improve security across all traffic flows
- Secure and flexible connections between endpoints, servers, LANs and devices
- Simple agent-based approach -- no on-premises equipment needed
- Autoconnet/reconnect at boot/reboot

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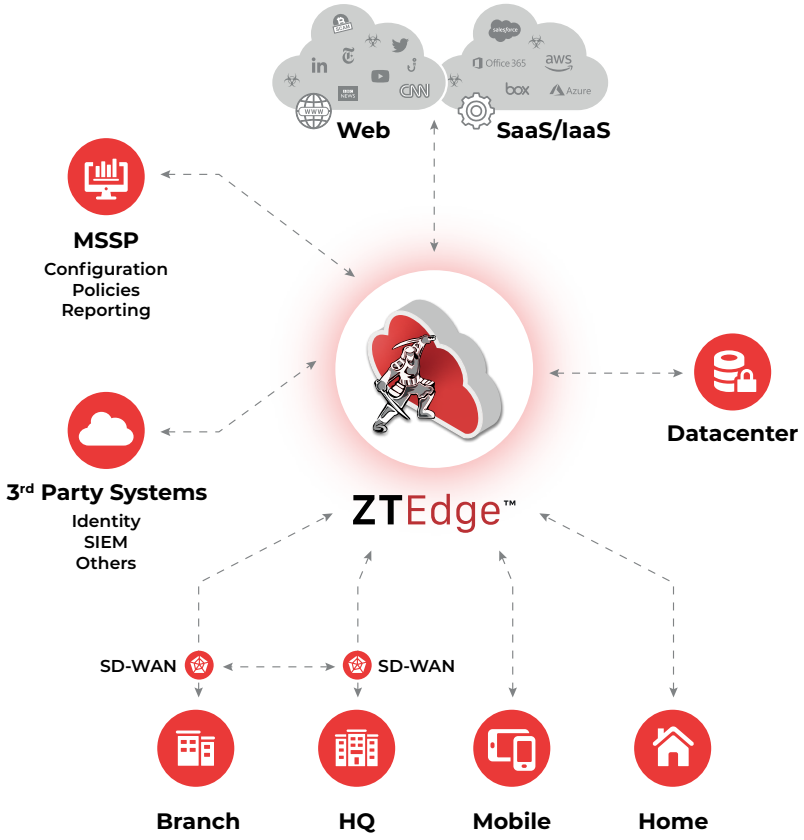
Enterprise Zero Trust Security Capabilities for Mid-sized Enterprises and Small Businesses

ZTEdge is built to protect what matters for your small or mid-sized business – your users, data, applications and customers. The platform is flexible and evolves as your business grows and increasingly moves to the cloud. It is available directly or as a hassle-free service, managed by MSSPs.



> *ZTEdge offers a unique value proposition for organizations, delivering a comprehensive set of integrated Zero Trust security capabilities via a simple and affordable always-on cloud platform.*
>
> **Kamalika Sandell**,
> Chief Information Officer
> at the New Jersey Institute
> of Technology

ZTEdge Capabilities

Access Security	
DNS Security	SaaS App Access Control
Secure Web Gateway	Identity & Access Mgmt.
Cloud Firewall	Secure Remote Desktop Access
Zero Trust Network Access	SD-WAN

Threat Prevention & Compliance		
Threat Intelligence Network	File Sanitization (CDR)	Cloud Data Loss Prevention (DLP)
Remote Browser Isolation	IDS/IPS	Micro segmentation
Anti-Virus	Ransomware Prevention	Network Traffic Analysis
Anti-Phishing	SSL Inspection	Data Anonymization

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