



# Zentry Trusted Access

A new Zen-like approach to seamless, secure remote access

## Highlights

- **Application-specific secure access**
- **Anytime, anywhere, any device – and always-on**
- **Complete multi-factor user authentication (MFA)**
- **Policy-based application and resource access**
- **Single Sign-on (SSO)**
- **100% clientless solution**
- **Only requires HTML5 browser**
- **AAA and SAML user identification**
- **End-to-end encryption with TLS**
- **Identical experience for local and remote users**
- **Reporting, analytics, and visualization**
- **Cloud-native Zero trust Network Access (ZTNA) software-as-a-service (SaaS)**

Today's mobile workforce requires streamlined, simple, anytime and anywhere secure access to business applications and resources – from the office, from home, or on the road. As network threats and malware grow more sophisticated, a solution designed with "never trust, always verify" zero trust principles becomes crucial.

Zentry Trusted Access is a next-generation secure access solution that enables workers anywhere – simply using an HTML5 browser – to securely connect to mission critical applications and resources on-premises or in the cloud.

Users have a clean, uncomplicated, frictionless experience that enhances productivity – there are no clients to download, configure, or manage.

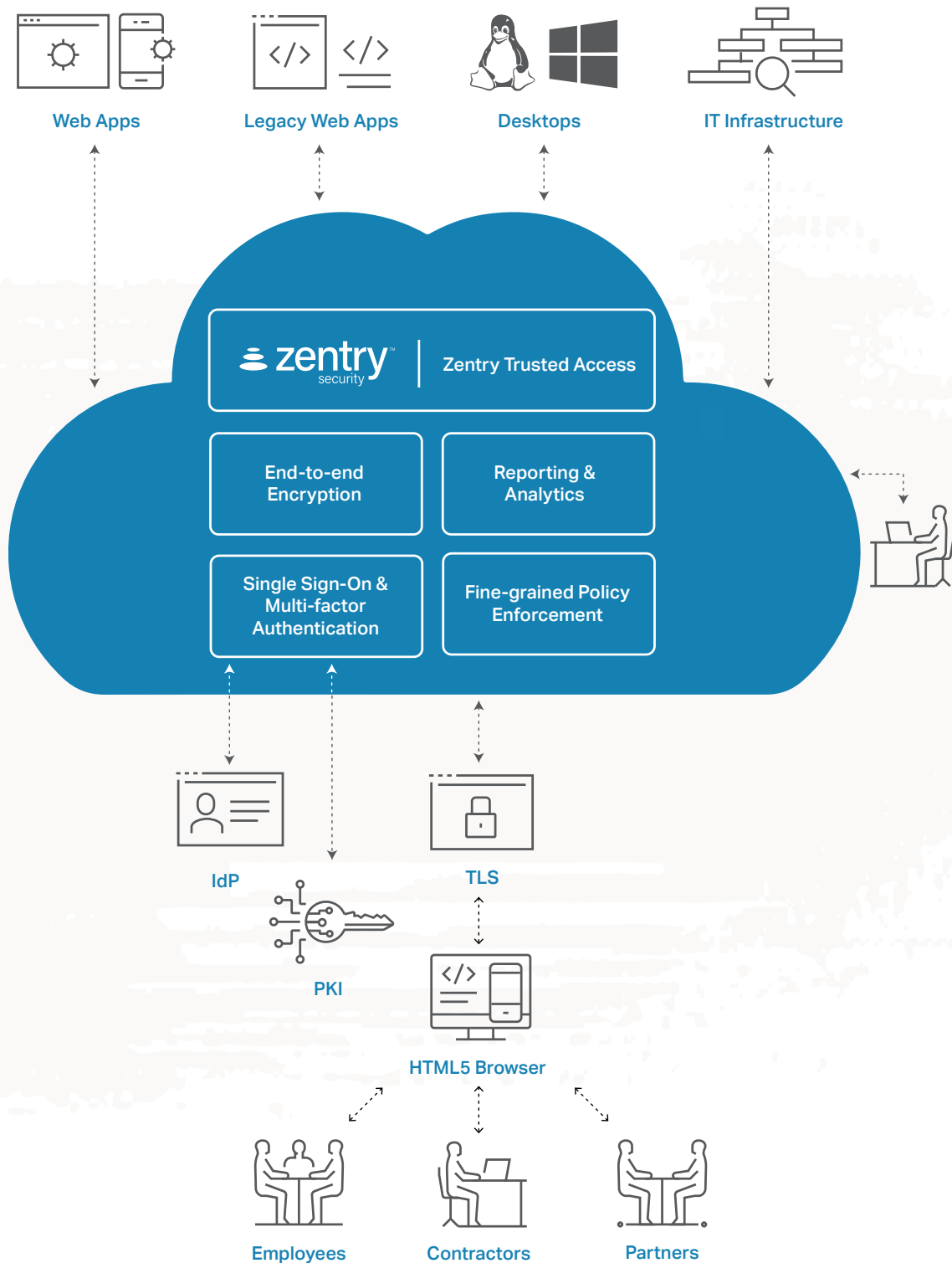
Employees, contractors, and third parties get seamless access to the resources and applications they need regardless of their location.

Administrators reduce corporate attack surfaces, virtually eliminate help-desk calls, and increase efficiency by providing application-specific remote access.

And, most importantly, administrators have the unique, Zen-like experience of enabling secure access for their mobile and remote workforce, without the headaches and complexity of traditional systems.

# How It Works

Zentry's cloud-based service is simple to manage and requires only a modern web browser to quickly and easily access applications, whether on-premises or in the cloud. Each user is fully validated prior to connecting, and subject to multi-factor authentication to reconfirm their identity. Moreover, each session is governed by one or more policies that restrict access to specific applications. And, once established, each session is encrypted end-to-end using TLS 1.3.



# Benefits

Zentry streamlines the process of application access for users, contractors, and third parties, without sacrificing security. Unlike traditional VPNs that provide network-level access, Zentry enforces zero trust principles that restrict access to individual applications. Users only need an HTML5 browser to access applications.



## Ease of Use

- Frictionless end user experience
- Entirely clientless – no client to download, maintain, or troubleshoot
- Consistent user experience – for every user, whether local or remote
- Anytime, anywhere, any device access
- Self-service portal with centralized view for all web apps, physical and virtual desktops and resources



## Security

- Prevent data loss and leakage by restricting file transfer, screen capture, printing and copy/paste
- Granular access control policies – restrict access by user, group, or application
- SSO/federation – minimize repeat authentication, reducing stolen credentials
- Multi-factor authentication – validate all users before access is granted
- End-to-end TLS 1.3 encryption for optimal security
- Anomaly detection based on location, day and time



## Performance

- Scalable, reliable, modular architecture – includes load balancing for optimal performance
- High speed TLS transactions per second with low latency – faster performance no matter your location

# Use Cases

Zentry supports a wide variety of use cases for security-conscious organizations to enhance mobile and remote workforce productivity – and improve security.

## Remote Workforce Application Access

Zentry provides all employees, contractors and partners, regardless of their location, the same simple and streamlined experience: quickly and easily connecting to mission-critical applications using only an HTML5 browser. There are no clients to download, install, or configure and there are no complex rules to administer and manage.

## Improved Organizational Security

Zentry offers extensive zero trust features to improve your organization's security profile, such as validating all sessions and verifying all user identities to reduce the possibility of advanced threats penetrating your network.

Zentry goes further by applying SSO to reduce credential theft, applying application-specific policy access to reduce your organization's attack surface, and providing end-to-end visibility of all user activity to reduce the possibility of data loss and leakage.

## Secure Administration of Critical IT Infrastructure

Manually managing and rotating privileged credentials on IT infrastructure is error-prone and labor-intensive. Malicious actors relentlessly attack privileged user credentials to take control of essential infrastructure and exfiltrate data.

With Zentry's Transient Authentication, administrators can quickly gain seamless access to critical IT infrastructure including routers, switches, and firewalls using RDP, SSH, and VNC. Transient Authentication is an SSO technology that generates temporary credentials for seamless access to Zentry-protected infrastructure. It eliminates unneeded root privileges, reduces the risk of stolen credentials, and eliminates credential rotation and management.

## Accelerate Cloud Adoption

Enabling secure access and collaboration to applications across clouds used to be difficult. Configuring separate access rules for employees, contractors, and 3rd parties, often based on IP addresses and ports, is difficult and time-consuming.

Zentry's lightweight resource connectors significantly simplify and streamline secure access to clouds like AWS, GCP, Azure, and others while enhancing productivity. For end-users, there are no clients to download or configure, and the experience is the same for all users – regardless of their location.

## Reduce Reliance on Traditional VPNs

VPNs were designed for a simpler time when only a few workers needed remote access. Today, VPNs offer too much access to network resources, enabling unnecessary user connectivity to applications and resources, increasing the possibility of data breaches. VPNs also require resource-intensive clients that require complex administration and management – and extensive configuration on the backend, too. VPNs also require traffic hair-pinning and back hauling, increasing latency and inefficiencies.

Zentry streamlines the entire process, eliminating costly VPN upgrades and connecting users with resources and applications in the cloud and data center -- without clients, without management headaches, and without user frustration.

## Improve Compliance

Network security attacks are becoming more sophisticated and often target specific industries such as healthcare or financial institutions. The rapid adoption of BYOD and cloud services has shown the limited effectiveness of perimeter-based security tools. And, organizations increasingly need to meet compliance mandates such as PCI DSS, HIPAA, and ISO 27001.

Zentry offers a unique solution: simple, secure, streamlined connectivity to applications in the cloud or data center, raising compliance by reducing the attack surface, complete end-to-end encryption, and fine-grained application-specific policy enforcement.

# Deployment Models

## Cloud-based (on-prem resource connector)

- VMware ESXi 4.1 or later

## Private Clouds (hypervisors, 64-bit only)

- VMware ESXi 4.1 or later
- KVM 1.1.1-1.8.1. or later

# Specifications

Encryption	TLS 1.2
Cipher Suites	RSA, ECC
Authentication	AD, LDAP, RADIUS
Federation	SAML, OIDC
Identity Provider (IdP)	Azure AD, Google Workspace, Okta
Multi-factor Authentication (MFA)	RSA, Duo, Google Authenticator
Supported protocols	HTTPS, RDP, VNC, SSH, Telnet

Zentry Security provides next-generation secure access solutions that improve security, productivity, visibility, and usability. Zentry empowers modern enterprises by delivering zero trust secure access from any device to any application or resource located on-premises or in the cloud.

Learn more at [www.zentrysecurity.com](http://www.zentrysecurity.com)

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