

# Modern Zero Trust Security for Google ChromeOS and ChromeOS Flex

## Challenges


### Legacy security puts users, devices and data at risk from cyberthreats


Modern organizations face new security challenges as they support mobile-first users that require access to cloud applications using any device from any location. However, relying on legacy security products (VPNs and firewalls) puts users, devices, and data at risk of a breach from cyberthreats and bad actors.

Industry [research](#) reveals that organizations view security and compliance as the top VPN challenge, while 62% of enterprises agree that VPNs are anti-zero trust. And in 2025, the average cost of a data breach in the United States was [\\$10.22 million](#). Modern organizations require a proven zero trust solution that enables them to secure, simplify, and transform their business.

## Benefits

Zscaler provides [industry leading](#)<sup>1</sup> zero trust security and fast, direct access to internet, SaaS, and private applications. Reduces the attack surface and prevents lateral threats, users connect directly to apps, not the network.

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- **Zero Trust Access**
  - Connect directly to the Zero Trust Exchange via an encrypted micro-tunnel, eliminating the need for legacy VPNs, which increase risk, cost/complexity, and provide a poor user experience.


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- **Consistent Security**
  - Provides consistent security and zero trust access policies across ChromeOS and ChromeOS Flex devices at any location, any time.


## The Zscaler Solution

### Cloud native security that reduces risk, cost, and provides a positive user experience

The Zscaler Zero Trust Exchange™ is a comprehensive, integrated platform that provides zero trust security and network transformation for all users, devices, and applications. It also utilizes AI/ML to deliver the most effective cyberthreat and data protection, along with automation and productivity gains.

The Zscaler Client Connector (ZCC) extends the power of the Zero Trust Exchange to Google ChromeOS and ChromeOS Flex devices. This includes secure access to the internet and SaaS apps via Zscaler Internet Access, private apps via Zscaler Private Access, and an exceptional user experience via Zscaler Digital Experience.

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- **Streamlined Management**
  - Integrates with Google Workspace and the Google Admin console, allowing admins to push applications, enforce certificate installation for SSL inspection, and manage updates.

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- **Positive User Experience**
  - Provides deep visibility into device, network, and application performance via Zscaler Digital Experience, so IT teams can proactively detect and troubleshoot user performance issues.

# Zscaler Zero Trust

Zscaler has been a leader in zero trust security for over a decade. The Zscaler Zero Trust Exchange is the world's largest inline security cloud, protecting thousands of organizations worldwide. It securely connects users to workloads, workloads to workloads, and devices to devices with over 160 PoPs globally.

## Optimized for ChromeOS and ChromeOS Flex

ZCC operates as an Android app on ChromeOS, allowing organizations to deliver always-on protection even as devices move between networks, with a lightweight footprint tailored for resource-constrained hardware.

For ChromeOS Flex, Zscaler Client Connector takes advantage of the management capabilities provided through Google Admin Console, supporting rapid device enrollment, policy enforcement, and frictionless deployment at scale.

## Automatic, Seamless Operation

The Zscaler Client Connector is designed to be lightweight and non-intrusive. Features like Trusted Network Detection automatically disable the service when a user connects to a verified corporate network, preventing traffic looping and maintaining high performance. Similarly, Captive Portal Detection temporarily pauses the service to allow users to log into public Wi-Fi hotspots, ensuring a smooth end-user experience.

"Zscaler is helping us to successfully address each of the zero trust pillars—identity, device, network, data, applications, and workloads. There's so much more we can do with the Zscaler Zero Trust Exchange – we've only scratched the surface."

**DEMOND WATERS**

CISO, New York City Department of Education

"In six months, we were up and running with Zscaler securing remote work for our entire faculty and staff across all 15 schools and colleges. We've experienced a net gain in usability, reliability, and security."

**DAN HAN**

CISO, Virginia Commonwealth University

Learn more about **zero trust security with Zscaler and Google**  
[zscaler.com/partners/google](https://zscaler.com/partners/google)



Experience your world, secured.™

### About Zscaler

Zscaler (NASDAQ: ZS) accelerates digital transformation so that customers can be more agile, efficient, resilient, and secure. The Zscaler Zero Trust Exchange protects thousands of customers from cyberattacks and data loss by securely connecting users, devices, and applications in any location. Distributed across more than 160 data centers globally, the SASE-based Zero Trust Exchange is the world's largest inline cloud security platform. Learn more at [zscaler.com](https://zscaler.com) or follow us on Twitter @zscaler.

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