

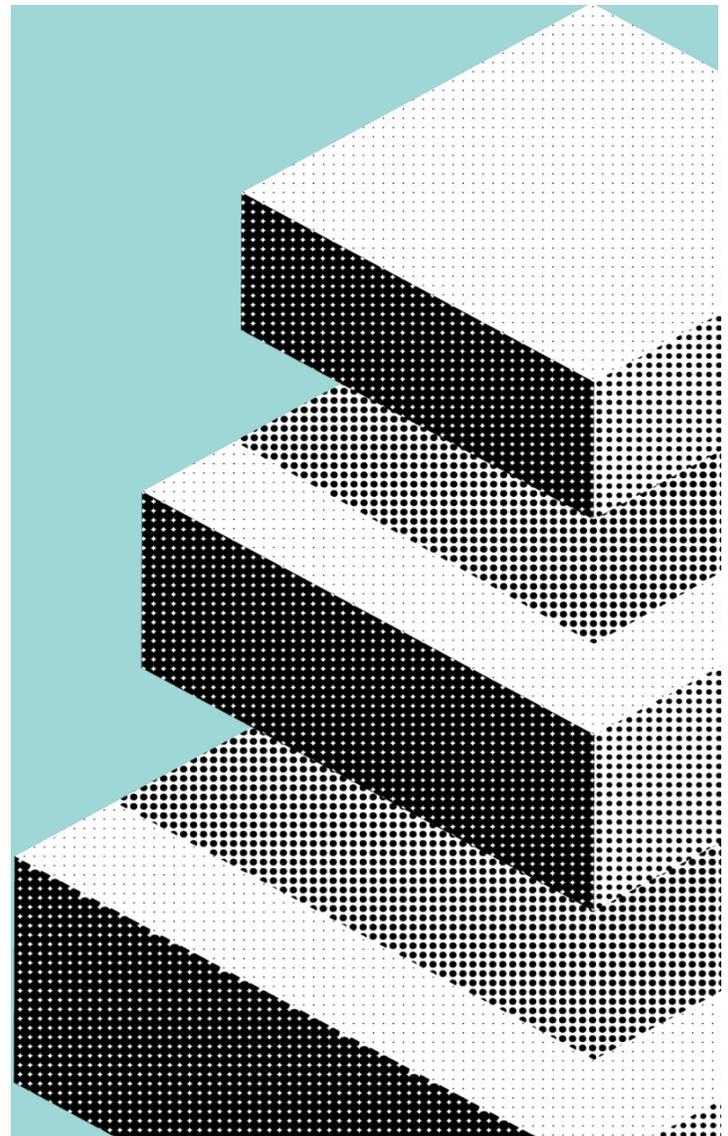
# Deliver seamless authentication and security to cloud-based applications

Securely connect users,  
devices, and applications  
over any network,  
regardless of location

The adoption of cloud-first strategies continues to expand to support today's work-from-anywhere environments. But as applications move beyond traditional on-premise data centers and into the cloud, protecting employees wherever they work poses challenges:

- **Increased risks:** remote employees, more devices, and perimeter-based architectures expand the attack surface, increasing risks.
- **Poor user experiences:** separate credentials for cloud vs. on-prem applications, and latency caused by VPNs and firewalls frustrate users.
- **Costly and complex processes:** manual integration processes, VPN deployment and management, MPLS, and firewalls are expensive and complex to manage.

This leads to the need for a new zero trust approach that replaces traditional security architectures.



## Key Benefits

- **Reduce the attack surface:** ensure zero trust access with risk-based authentication that securely connects users directly to authorized apps without accessing the network to prevent lateral movement of threats.
- **Improve the user experience:** simplify deployment and enable fast, direct, and secure access to apps anywhere with seamless SAML integration for single sign-on (SSO) and sharing of user and device context.
- **Increase agility & reduce TCO:** enable work from anywhere, dynamically manage role changes for full user lifecycle management, and simplify management with cloud delivery and SCIM integration — without costly VPNs and firewalls.

## What is zero trust?

Zero trust is a framework to secure modern organizations based on least-privileged access and the principle that no user or application should be inherently trusted. Connections are authorized based on validation of the user's identity, risk-based context, and business policy.

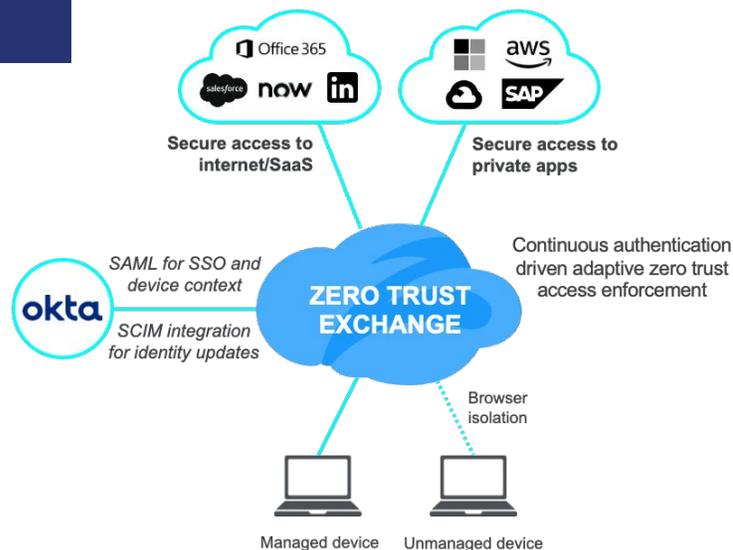
## End-to-end zero trust with Okta + Zscaler

Okta has an identity-centric approach to zero trust, securely connecting the right people to the right technologies at the right time to empower remote workforces. Zscaler's Zero Trust Exchange platform securely connects users and applications so nothing reaches applications without the platform allowing it, ensuring your resources can't be discovered and exploited.

Together, Okta and Zscaler deliver a cloud-based, end-to-end zero trust solution that provides users fast and secure access to the internet, SaaS, and private applications. Instead of implicitly trusting users and devices, connections are authorized based on the user's identity, business policies, and context; including user location, device security posture, application being accessed, and content being exchanged. Risk-based access provides a seamless user experience and increased security when needed.

## Zero trust starts with identity

Our integration uses industry standard authentication protocols, including SAML and SCIM. The first step to implement zero trust is to confirm the user is who they say they are. Once authenticated, Zscaler inspects all traffic and validates access rights based on identity and context using the principles of least-privileged access. This ensures access to applications is authorized based on the user.



## Key Use Cases

### Verify user identity

Okta maintains credentials about the user ID for verification. The SAML integration enables strong authentication to verify user credentials and provide zero trust access to only the required resources. SAML authentication also allows organizations to auto provision new users.

For example, once a user logs into Okta, Okta sends the user and group information to Zscaler via a SAML assertion. Zscaler takes that information and populates its database so that policies can be applied to the user/group/device. The next time the user logs in, they are already in the Zscaler database and redirected to Okta to refresh the SAML assertion, and any changes are updated in the Zscaler database.

### Securely enable work-from-anywhere

Okta can provide the trusted/untrusted device status to Zscaler for SaaS applications via the user's authentication response. This reduces the risks associated with BYOD and unmanaged devices, enabling users to securely work from anywhere, on any device, at any time.

For example, when a user tries to access a SaaS application that requires enhanced authentication, if the device is 'trusted' (managed), then the user would be granted full access. However, if the device is 'untrusted,' then Zscaler could either block the user or redirect the user to browser isolation depending on the policy.

### Dynamically manage access rights

The SCIM integration allows organizations to synchronize users and security groups between Okta and Zscaler in near real-time to automatically update, manage, and remove access to company resources based on role changes.

For example, when an employee leaves and the Okta database is updated to reflect this, they are automatically removed from the Zscaler database and can no longer login (vs. with SAML auto provisioning, that employee may be able to access applications based on their previous access privileges until their access token expires or they log out).

---

For more information on this integration, go to [okta.com/partners/zscaler](https://okta.com/partners/zscaler)

If you have more questions, please contact our sales team at [okta.com/contact-sales](https://okta.com/contact-sales)

## About Okta

Okta is the leading independent identity provider. The Okta Identity Cloud enables organizations to securely connect the right people to the right technologies at the right time. With more than 7,000 pre-built integrations to applications and infrastructure providers, Okta provides simple and secure access to people and organizations everywhere, giving them the confidence to reach their full potential. More than 14,000 organizations, including JetBlue, Nordstrom, Siemens, Slack, Takeda, Teach for America, and Twilio, trust Okta to help protect the identities of their workforces and customers. For more information, go to [okta.com](https://okta.com).

## 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 150 data centers globally, the SASE-based Zero Trust Exchange is the world's largest in-line cloud security platform. Learn more at [zscaler.com](https://zscaler.com) or follow us on Twitter @zscaler.