![Zscaler | aws partner network]

Modern zero trust security for cloud workloads on AWS

Challenges
Legacy network security is inadequate for cloud workloads

As organizations move away from on–premises physical servers to virtualized infrastructure residing in the cloud, they face new challenges. Traditional networks and legacy castle–and–moat security (VPNs, firewalls) were never designed for the cloud, resulting in poor security, slow performance, and an expanded attack surface. And when deploying workloads in mixed environments with multiple cloud providers, the mesh network that connects workloads becomes costly and difficult to implement, scale, and manage.

To accelerate digital transformation, organizations must efficiently migrate all workloads, including critical applications, to the cloud to ensure business continuity, gain new efficiencies, and reduce costs.

The Zscaler Solution
Zero trust security with operational simplicity to protect cloud workloads

Zscaler Zero Trust Cloud enables organizations to reduce their attack surface and eliminate lateral threat movement by utilizing an industry leading zero trust architecture. By forwarding all workload egress traffic to the Zscaler Zero Trust Exchange, consistent security policies and access controls are applied along with full inspection of TLS/SSL traffic. Workload traffic is then directly forwarded to its destination, including the internet, SaaS applications, or other workloads hosted in other regions or data centers.

Zscaler eliminates the cost and complexity of legacy VPNs and firewalls, while providing flexible security and policy management, along with consistent protection against threats and data loss.

Benefits

Zscaler Zero Trust Cloud provides industry leading[1] zero trust security and simple, secure access for workloads to the internet, private apps, or public clouds

Eliminate lateral threat movement

Direct–to–cloud architecture ensures least privilege access for cloud workloads and applications, taking traffic off the corporate network and preventing lateral threat movement.
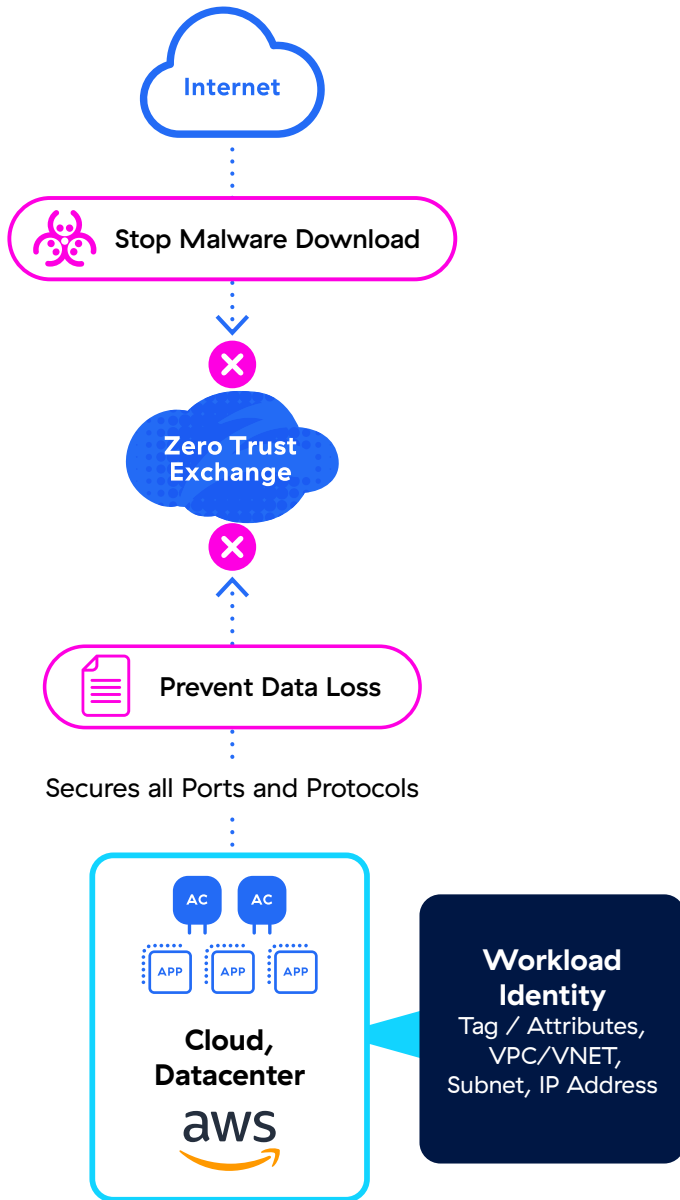
Consistent threat and data protection

Prevent zero–day attacks and protect data with cloud–scale TLS inspection, segmentation (across regions, public clouds), advanced threat protection, and data loss prevention.

Reduce operational cost and complexity

Eliminates IP overlap issues, route distributions, and costly legacy point products (VPNs, firewalls, etc.). Provides automated deployment and consistent security for all workloads.

Zscaler on AWS

The Zscaler Zero Trust Exchange is the world's largest inline security cloud and it protects thousands of AWS customers. Zscaler securely connects users to workloads, workloads to workloads, and devices to devices with over 160 PoPs globally and in most AWS regions, including GovCloud East and West. It operates at hyperscale and can handle any increase in workload or server traffic with elastic, horizontal scaling.

Example: Workload to Internet

Internet

Stop Malware Download

Zero Trust Exchange

Prevent Data Loss

Secures all Ports and Protocols

AC **AC**
APP **APP** **APP**

Cloud, Datacenter
aws

Workload Identity
Tag / Attributes, VPC/VNET, Subnet, IP Address

Consistent, comprehensive threat and data protection with common security policies across all environments

Case Study: Micron

Challenges

Securing users and workloads in its hybrid multicloud with consistent controls, combating threats, and protecting intellectual property

Results

- Reduced operational overhead by half
- Consistent policies across users and workloads reduces risks
- Secure, direct access to internet and SaaS apps
- Positive user experience
- Diminished cyberattacks significantly

"The fantastic thing about Zscaler is that it provides everything we need in a zero trust platform: scalable SSL traffic inspection, other threat prevention functionalities, and data protection."

Nitin Negi
Senior Manager for Cybersecurity Engineering and Operations
Micron Technology

Visit us at the AWS Marketplace, learn more about Zscaler for AWS, and Zero Trust Cloud today.

ⓩ **zscaler**™ | **Experience your world, secured.**™