Use Case

Secure Your Access to the Internet

Challenge

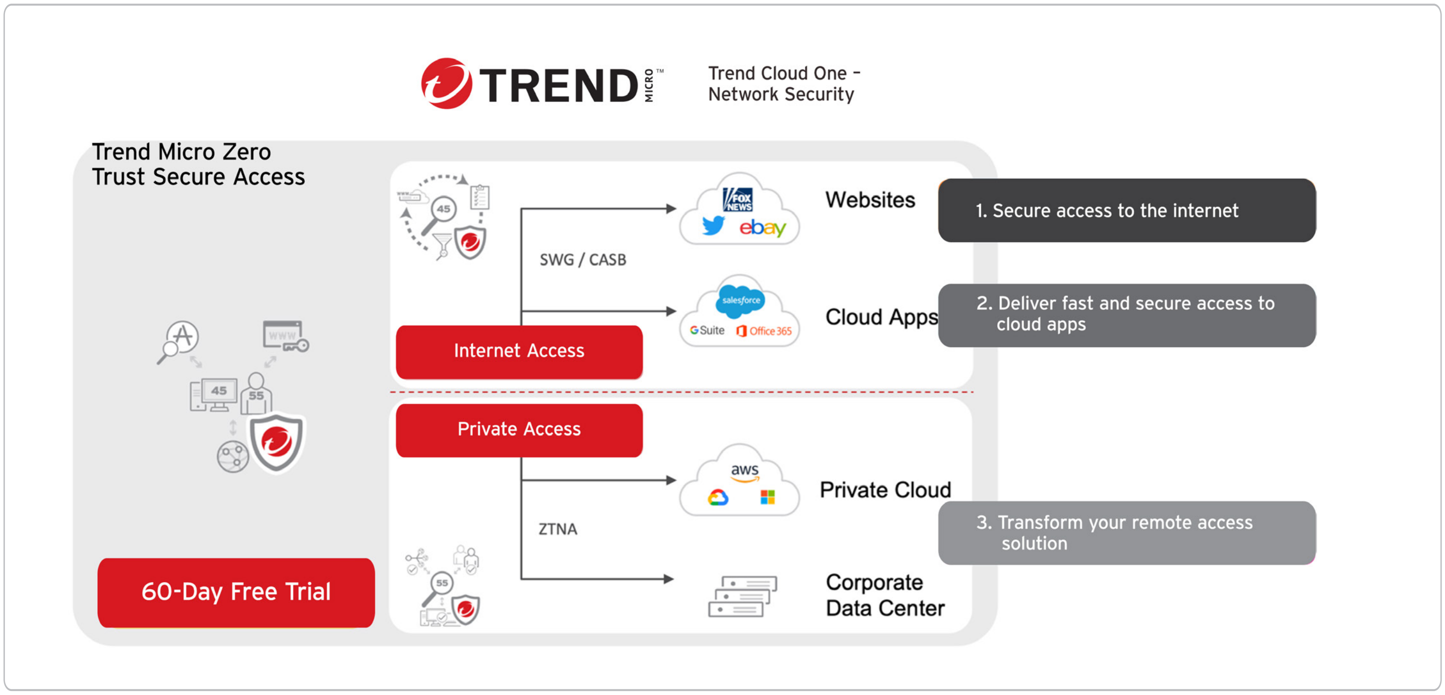
Organizational cybersecurity is a complicated task when viewed from the strategy level. Equally so is the day-to-day administration. As your organization looks at new models of security, such as zero trust, it's easy for both your strategic and tactical staff to be overwhelmed with the first steps.

A large-scale transformation to your security operations can't be completed overnight. Trend Micro's view is **to begin with a solution path for an achievable problem directly at hand**. This allows your operations team to move beyond this first issue, meaningfully increasing security along the way through subsequent problems towards overall security goals.

The problem in front of your administrator

"How can I apply corporate policy and secure access to the internet for all users?"

A majority of organizations share the same concern: setting guardrails for corporate policy (restricting NSFW sites) and providing security protection to block threats without negatively impacting device performance and productivity. This is often solved using secure web gateway (SWG) solutions, often running independently of other products in the security tool stack.


TREND MICRO
Trend Cloud One - Network Security
Trend Micro Zero Trust Secure Access
SWG / CASB
Internet Access
Websites
Cloud Apps
1. Secure access to the internet
2. Deliver fast and secure access to cloud apps
Private Access
ZTNA
Private Cloud
Corporate Data Center
3. Transform your remote access solution
60-Day Free Trial

Capability

Bridging disparate technologies

Trend Micro™ Zero Trust Secure Access provides you with centralized control and unified visibility to several previously disconnected technologies. Trend Micro™ Zero Trust Secure Access – Internet Access provides you with the capabilities of a powerful SWG. By leveraging this proven technology through the lens of Trend Micro Vision One™, not only are the SWG capabilities present, but the wider ecosystem provides additional data. This allows for automated access decision-making, rich telemetry, and reporting visibility, along with simple and consistent policy control.

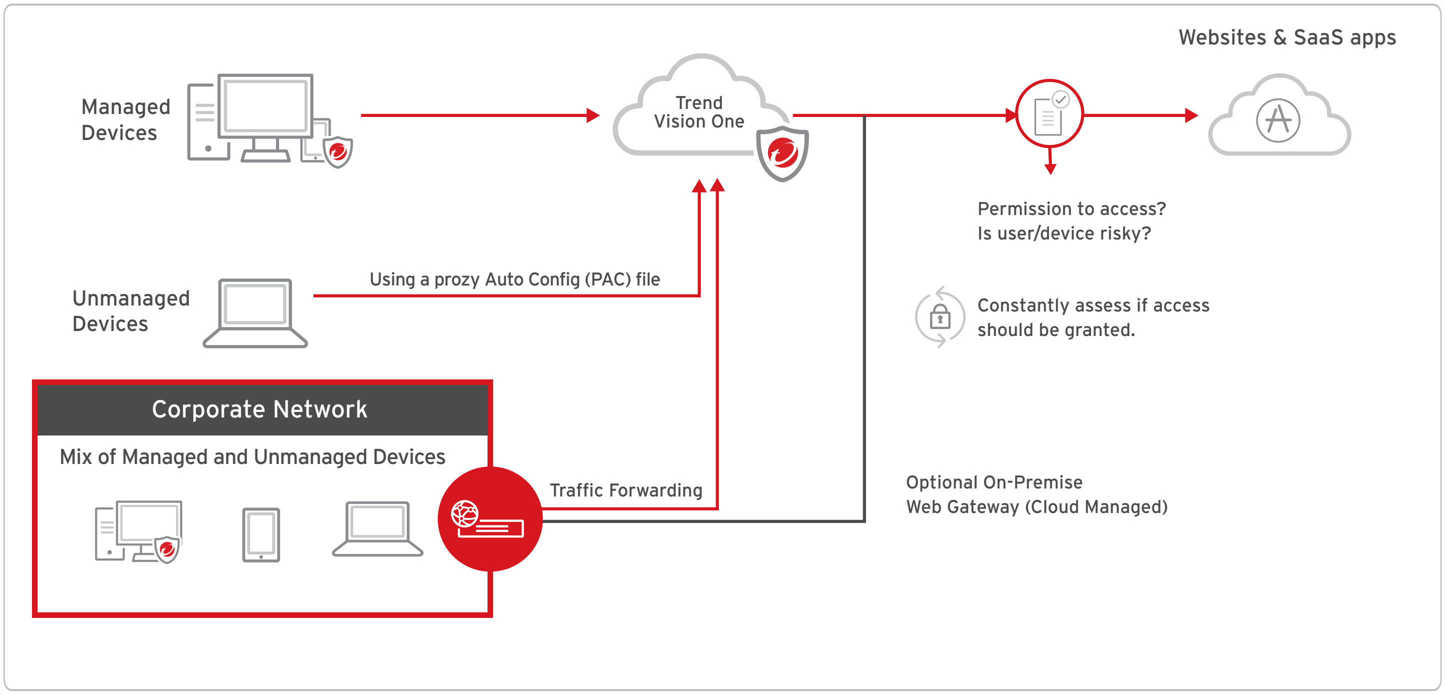
Moving beyond the boundaries

Along with existing solutions to the internet, access control problems are limitations that often undermine the solution. These range from performance issues, false-positive blocking, uptime, and availability to your agent and agentless coverage. Internet Access takes aim at these challenges and enables you to break down the boundaries that have traditionally restricted the overall effectiveness of an SWG.

Performance, uptime, and availability: Internet Access provides you with options on how and where gateways are deployed. The leading deployment option includes Trend hosted gateways within the public cloud. Accessibility is managed by the cloud service provider (CSP) while your organization is connected to the nearest point of presence (PoP). Trend hosted gateways are elastic, so despite how much traffic is flowing, performance and availability won't be restricted.

Security accuracy: Trend leverages internal research teams to deliver global threat intelligence. This is implemented via several systems, including the Web Reputation Service (WRS) to provide up-to-the-minute data on website category and risk. This service collects data from billions of endpoints deployed worldwide and limits the potential impact of accessing a dangerous website—without blocking normal web activity.

Agent and agentless coverage: Whether it's not feasible to install an agent on each endpoint, you're not equipped to run an agent, or you've deployed an agent from a third party, corporate and security policy must be applied no matter the agent status of your endpoints. Internet Access provides coverage to secure internet access, protecting gaps in coverage from exploitation.


Websites & SaaS apps
Managed Devices
Trend Vision One
Permission to access? Is user/device risky?
Unmanaged Devices
Using a prozy Auto Config (PAC) file
Constantly assess if access should be granted.
Corporate Network
Mix of Managed and Unmanaged Devices
Traffic Forwarding
Optional On-Premise Web Gateway (Cloud Managed)

Implementation

How Internet Access provides protection

Internet Access operates as a cloud-based security gateway, filtering web and internet traffic at the application level. Using a cloud-based solution gives you the same advanced protection and policy enforcement inside or outside your network perimeter. Set up a connection with an Internet Protocol Security (IPsec) tunnel to the closest supported data center, or forward traffic via a lightweight Client Connector or a proxy auto-config (PAC) file. Internet Access sits between your end users and the internet, inspecting traffic inline across multiple security techniques, including TLS/SSL.

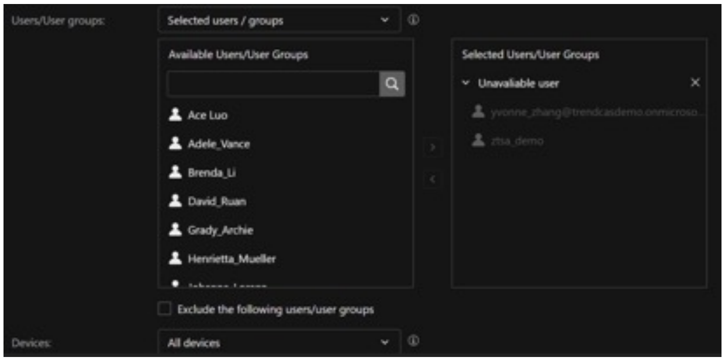
End users access a website following this process:

1. **Users authenticate with an identity provider (IdP) using their existing SAML SSO credentials.**
2. **User or user groups, gateways/locations are verified by Access Gateway.**
3. **Access is granted if control has been configured to be allowed or monitored in a rule. If a rule has been configured to block the URL or cloud app, the action will be blocked. Access Gateway will apply further threat protection or data loss prevention (DLP) profiles on traffic if configured**

Simple setup

The setup for allowing or restricting sites requires only a few steps to add or remove access:

1. Select user or group



Users/User groups: Selected users / groups

Available Users/User Groups

- Ace Luo
- Adele_Vance
- Brenda_Li
- David_Ruan
- Grady_Archie
- Henrietta_Mueller

Selected Users/User Groups

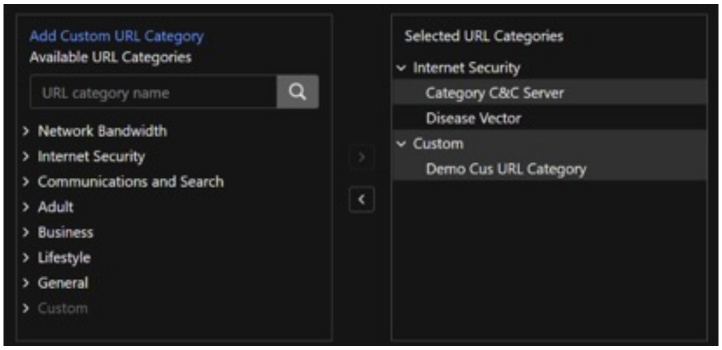
Unavaliable user

- yvonne_zhang@trendcasdemo.onmicroso...
- ztsa_demo

□ Exclude the following users/user groups

Devices: All devices

2. Select a URL or category



Add Custom URL Category

Available URL Categories

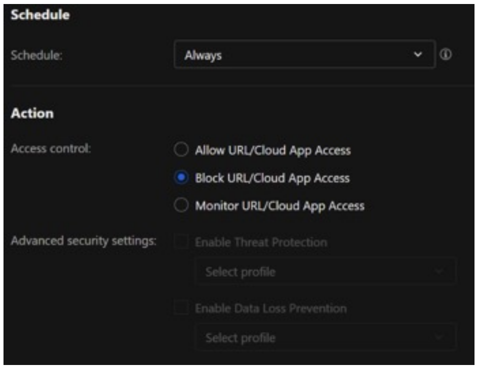
URL category name

- Network Bandwidth
- Internet Security
- Communications and Search
- Adult
- Business
- Lifestyle
- General
- Custom

Selected URL Categories

- Internet Security
  - Category C&C Server
  - Disease Vector
- Custom
  - Demo Cus URL Category

3. Specify the schedule and action



Schedule

Schedule: Always

Action

Access control:
- ○ Allow URL/Cloud App Access
- ● Block URL/Cloud App Access
- ○ Monitor URL/Cloud App Access

Advanced security settings:
- □ Enable Threat Protection
  Select profile
- □ Enable Data Loss Prevention
  Select profile

Next Steps

A free trial of Zero Trust Secure Access - Internet Access is available through the Trend Vision One platform. Leverage **Trend Micro™ Attack Surface Risk Management** or contact your account team for more information.

Begin securing access to the internet immediately by signing up for a **free 30-day trial of Trend Vision One**.

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