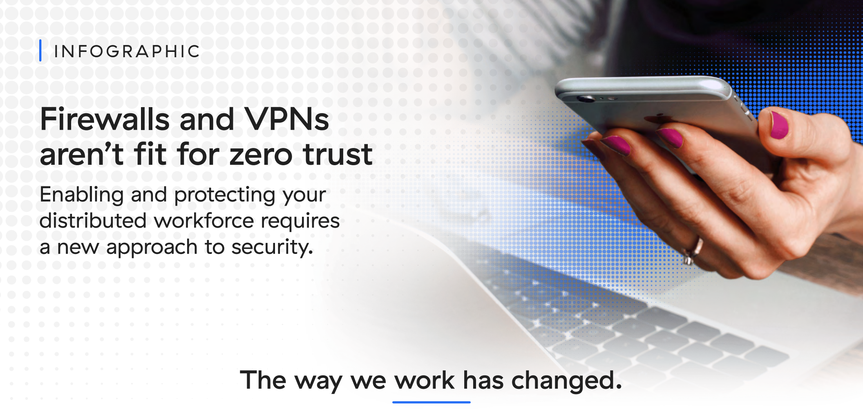
INFOGRAPHIC

Firewalls and VPNs aren't fit for zero trust

Enabling and protecting your distributed workforce requires a new approach to security.



The way we work has changed.

Your users, data, and applications are everywhere.

300%
increase in the percentage of total employees that are remote users.[1]

50%
of all corporate data is stored in the cloud.[2]

70%
of the business apps companies use today are SaaS–based.[3]

Shouldn't security change too?

Protecting the perimeter and trusting what's inside the network worked well when everything was onsite. But today, the perimeter has vanished, and the old ways of securing the network just don't work anymore.

92%
of organizations feel they need to upgrade their security to better protect in–office and remote workers.[4]

72%
of companies are prioritizing the adoption of a zero trust model.[5]

The solution is zero trust.

For businesses to enable the modern workforce and remain agile and competitive, security architectures must evolve. It's time to move to a solution that authorizes connections based on context and policy for every session from every user to every application—everywhere.

But firewalls and VPNs can't do zero trust. Why?

Threats can gain access and easily move laterally across the network because firewalls still require connecting users and devices to the network for application access.

Applications are published on the internet, which increases your attack surface.

Firewall passthrough architectures leave limited ability to inspect traffic and protect data.

47%
of businesses are not confident their existing technologies can help them achieve zero trust.[5]

53%
of organizations will mistakenly trust their existing technologies and place users on the corporate network.[5]

Zero trust requires a fundamentally different approach.

Unlike traditional approaches that trust everything inside the network perimeter, zero trust starts with the principle of least–privileged access and the idea that no user or application should be inherently trusted. A true zero trust solution securely connects applications and users over the internet based on business policies to:

Eliminate lateral movement
Directly connects users and devices to applications, never to the network.

Minimize the attack surface
Makes users and applications invisible to the internet. If they can't be discovered, there is no attack surface to exploit.

Stop threats and data loss
Delivers full inspection, including encrypted traffic, for effective cyberthreat and data loss protection.

Zscaler: the leader in zero trust.

Built on the largest security cloud on the planet, the Zscaler Zero Trust Exchange helps IT teams embrace zero trust to reduce risk, increase business agility, and deliver a great user experience.

Every day the Zscaler Zero Trust Exchange:

SECURES 200 BILLION+
transactions

PREVENTS 7 BILLION+
security incidents and policy violations

PROCESSES 200,000+
unique security updates

Start your zero trust journey with Zscaler.

Zscaler has helped more than 5,000 companies transform securely using zero trust.

We can help you too.

Find Out How

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2. Statista. *Percent of data and sensitive data stored in the cloud worldwide. https://www.statista.com/statistics/1202541/sensitive–data–cloud–location*
3. Better Cloud. (2021). *The State of SaaSOps 2021. https://stateofsaasops.bettercloud.com/?_ga=2.164919740.241347015.1636678142–1969514686.1636678142*
4. IDG Marketpulse Survey. (2020). *Network Security Approaches and the Case for Zero Trust. https://info.zscaler.com/industry–report–leading–cxo–and–it–leaders–see–it–future–in–zero–trust*
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