

Common attacks and how Microsoft capabilities for Zero Trust can protect your organization



Zero Trust is a security strategy and approach for designing and implementing the principles of verify explicitly, use least privilege access, and assume breach. Instead of believing everything behind the corporate firewall is safe, Zero Trust principles assume a breach and verifies each request as though it originated from an uncontrolled network.

Zero Trust capabilities in Microsoft's cloud platforms provide proactive protection against the phases of the most common types of cyberattacks.

Resources
Zero Trust Guidance Center



Additional Zero Trust illustrations

Extended detection and response (XDR)

Microsoft XDR solutions deliver intelligent, automated, and integrated security across domains.

These solutions help you connect seemingly disparate alerts and incidents and get ahead of attackers.

Evaluate and pilot Microsoft Defender XDR
aka.ms/defender-xdr-eval

Microsoft Defender XDR

A solution for identities, endpoints, cloud apps, email, and documents. Its built-in self-healing technology fully automates remediation more than 70% of the time.

It combines:

- Microsoft Defender for Endpoint
- Microsoft Defender for Office 365
- Microsoft Defender for Identity
- Microsoft Defender for Cloud Apps
- Microsoft Defender Vulnerability Management
- Microsoft Entra ID Protection
- Microsoft Data Loss Prevention
- App Governance

Microsoft Defender for Cloud

Delivers XDR capabilities to protect multi-cloud and hybrid workloads, including virtual machines, databases, containers, and more.

It combines:

- Azure Defender for Servers
- Azure Defender for Storage
- Azure Defender for SQL

Microsoft Sentinel

To gain visibility across your entire environment and include data from other security solutions such as firewalls and existing security tools, connect Microsoft Defender XDR to Microsoft Sentinel, Microsoft's cloud-native SIEM.

Microsoft Sentinel is deeply integrated with Microsoft Defender XDR so you can integrate your XDR data in only a few clicks and combine it with all your security data from across your entire enterprise.

Resources

Microsoft Zero Trust Guidance Center
Prescriptive adoption and deployment guidance to implement a Zero Trust architecture.
docs.microsoft.com/security/zero-trust

Microsoft Security documentation
Technical guidance to help security professionals build and implement cybersecurity strategy, architecture, and prioritized roadmaps.
docs.microsoft.com/security

Microsoft 365 security documentation
docs.microsoft.com/microsoft-365/security

Azure security documentation
docs.microsoft.com/azure/security



Zero Trust documentation for common attacks

A clickable resource in the Zero Trust universe

Click on the following documentation sets and articles to quickly apply Zero Trust principles to your organization or apps.

Technology pillar	Common attacks	Concepts and deployment objectives	Rapid Modernization Plan (RaMP)	Microsoft 365 deployment	Microsoft Azure deployment	Developer guidance	Partner integrations	Zero Trust evaluation
Identities	<ul style="list-style-type: none"> Phishing Password spray Attacker-in-the-middle (AITM) 	✓	✓	✓		✓	✓	✓
Endpoints	<ul style="list-style-type: none"> Device compromise Lost or stolen 	✓	✓	✓	✓		✓	✓
Apps	<ul style="list-style-type: none"> App consent grant Compromised or malicious app 	✓	✓	✓		✓	✓	✓
Data	<ul style="list-style-type: none"> Exfiltration Encryption Corruption 	✓	✓	✓	✓		✓	✓
Infrastructure	<ul style="list-style-type: none"> DoS and DDoS 	✓			✓		✓	✓
Network	<ul style="list-style-type: none"> Eavesdropping DNS spoofing 	✓	✓		✓		✓	✓
Threat protection		✓		✓	✓		✓	

Click on the following articles to apply Zero Trust principles from C-suite engagement to implementation phases and steps.

Business scenarios in the Zero Trust adoption framework	Rapidly modernize your security posture	Secure remote and hybrid work	Prevent or reduce business damage from a breach	Identify and protect sensitive business data	Meet regulatory and compliance requirements
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