2024 EMA Zero Trust Networking Study

HOW NETWORK TEAMS SUPPORT CYBERSECURITY

ZERO TRUST ZERO TRUST ZERO TRUST ZERO TRUST ZERO TRUST ZERO TRUST ZERO TRUST ZERO TRUST ZERO TRUST ZERO TRUST ZERO TRUST

BENEFITS & CHALLENGES

Zero trust (ZT) has resulted from network perimeters alone being no longer viable, especially for hybrid IT environments.

The ZT model brings many benefits:

TOP Benefits

52% resilience/ reliability

44% operational efficiency

43% regulatory compliance

But implementation has proven challenging:

TOP Challenge

Budget constraints

38%

WHY NETWORK TEAMS ARE KEY FOR SUCCESS

The cybersecurity group typically spearheads ZT security.

But network technology & tools like segmentation & observability are foundational components of ZT implementation.

Network teams ensure performance and UX remain optimal in ZT architectures.

> *"Network infrastructure teams are key enablers of a zero trust strategy."*
>
> - EMA VP of Research -

What Orgs View as Requirements for Success

Network team is equal partner to security team	44%
Observability and monitoring tools	96%
Maintaining optimal network performance	60%

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THE FUNDAMENTAL ROLE OF DNS

DNS solutions are critical for reducing the attack surface of any organization adopting ZT, bringing value in policy enforcement, segmentation, and threat detection.

DNS role in ZT strategy

56% Policy enforcement via DNS filtering/domain blocking

53% DNS-based network segmentation

60% Ongoing DNS monitoring for threat detection

TOP 3 TAKEAWAYS FROM THE EMA REPORT

1. Network infrastructure teams are essential partners to any cybersecurity team pursuing a ZT strategy
2. To ensure changes made do not degrade network performance & UX, utilize the expertise of your network teams
3. Leverage your DNS to optimize ZT network segmentation, policy compliance, and threat detection via observability

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Zero Trust Networking: How Network Teams Support Cybersecurity

November 2024 EMA Research Summary Report
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