



CISCO GLOBAL  
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# **Secure, Scale, Succeed:** **The Cisco & VDS Guide to AI-Enhanced** **Infrastructure and Security**

*VDS's Technical Experience Delivers Secure, Scalable IT Solutions Tailored to Your Needs*







## The Cisco + VDS Advantage

Cisco's cutting-edge security, cloud, and network optimization technologies—enhanced by VDS's expertise—deliver:

- Multi-Layered Security: Protection across endpoints, networks, email, and cloud with AI-driven threat detection.
- AI-Enhanced Performance & Visibility: Full-stack observability into applications, network health, and cyber risks.
- Seamless Cloud & Remote Work Security: Zero-trust policies, SD-WAN, and secure VPN access.
- Automated Incident Response: AI-powered XDR (Extended Detection & Response) across all layers.



# Cisco in Action: AI-Driven Cybersecurity in Real-World Scenarios

Scenario: A mid-sized business faces an advanced cyberattack targeting email, endpoints, and the network. Cisco's security and performance monitoring solutions work together to detect, block, and neutralize the threat.

## 1. CISCO CISCO SECURE EMAIL (ESA):

- **Blocks phishing and business email compromise (BEC) attacks using AI and Cisco Talos intelligence.**
  - **Result: Suspicious emails are quarantined before reaching employees.**
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## 2. CISCO UMBRELLA:

- **If a phishing link bypasses Secure Email, Umbrella's DNS-layer security blocks malicious domains before access.**
  - **Result: Prevents command-and-control communication and data exfiltration.**
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## 3. CISCO SECURE ENDPOINT (AMP FOR ENDPOINTS):

- **Detects malware execution on compromised endpoints and automatically isolates infected devices.**
  - **Result: Attackers are denied access without a second authentication factor.**
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## 4. CISCO SECURE FIREWALL (FIREPOWER & ASA):

- **Stops advanced threats with intrusion prevention (IPS), application-layer filtering, and AI-driven threat detection.**
  - **Result: Prevents unauthorized access and network breaches.**
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## 5. CISCO DUO SECURITY:

- **Enforces multi-factor authentication (MFA), preventing stolen credentials from being used in unauthorized logins.**
  - **Result: Blocks attackers even if credentials are compromised.**
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## 6. CISCO SECURE WEB APPLIANCE (WSA):

- **Filters malicious web traffic and blocks access to infected websites.**
  - **Result: Prevents malware downloads and unauthorized web access..**
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## 9. CISCO XDR:

- **Automates the response: quarantining infected devices, notifying IT, and running forensic analysis.**
  - **Result: Reduces incident response time by 85%**
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## 8. CISCO TALOS THREAT INTELLIGENCE:

- Powers real-time security updates for all Cisco products, ensuring up-to-date defense.
- Result: Rapid response to newly emerging threats.

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## 7. CISCO SPLUNK WITH XDR (EXTENDED DETECTION & RESPONSE):

- Aggregates threat data from all Cisco solutions, using AI-driven correlation for automated response.
  - Result: Identifies coordinated attack patterns across email, endpoints, and the network.
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## Why Cisco Leads in AI, Cloud, and Cybersecurity

Cisco is a global leader in delivering AI-driven, integrated solutions for cybersecurity, cloud optimization, and robust infrastructure.

### Cisco delivers industry-leading technologies backed by:

- Talos Intelligence: Real-time protection from 20 billion threats daily.
- Unified Management: A single dashboard for all security layers.
- Proven ROI: Reduced costs and improved efficiency.

## How VDS Amplifies Cisco Technologies

1. Tailored Solutions: Customized configurations for each client's unique needs.
2. Proactive Monitoring: AI-powered tools monitored 24/7 by VDS experts.
3. Seamless Integration: Unified Cisco's solutions for maximum efficiency.







# Scale seamlessly as you grow

## Cisco Products and Technologies

1. **Cisco Secure Firewall (Firepower & ASA):** Next-Generation Firewall (NGFW) with intrusion prevention, application control, and deep packet inspection.
2. **Cisco Secure Email (ESA):** Protects against phishing, business email compromise (BEC), and ransomware.
3. **Cisco Umbrella:** DNS-layer security blocking malicious traffic before it reaches the network.
4. **Cisco Secure Web Appliance (WSA):** Web security gateway with malware filtering and URL access control.
5. **Cisco Secure Network Analytics (Stealthwatch):** AI-powered network detection and response (NDR) to identify anomalies.
6. **Cisco Cyber Vision:** OT & IoT Security Monitoring for industrial environments.
7. **Cisco Secure Endpoint (AMP for Endpoints):** Advanced malware protection and endpoint detection and response (EDR).
8. **Cisco Duo Security:** Zero-trust multi-factor authentication (MFA).
9. **Cisco Identity Services Engine (ISE):** Network access control (NAC) based on identity-based security policies.
10. **Cisco XDR (Splunk-Powered):** AI-driven threat correlation across email, network, cloud, and endpoints.
11. **Cisco Talos Threat Intelligence:** Provides real-time threat intelligence for Cisco solutions.
12. **Cisco Meraki MX (SD-WAN & Security):** Cloud-managed firewall with advanced security capabilities.
13. **Cisco AnyConnect VPN & Secure Client:** Secure remote access with zero-trust protection.
14. **Cisco ThousandEyes:** Deep network and internet visibility for cloud and SaaS applications.
15. **Cisco AppDynamics:** AI-driven full-stack observability for application performance monitoring.





# REAL-WORLD RESULTS WITH VDS + CISCO

## Case Study 1: MSSP-Driven Security for a Growing Business

- Problem: A growing enterprise lacked internal resources to handle cybersecurity threats proactively.
- Solution: VDS, as an MSSP, deployed Cisco XDR and Secure Network Analytics for continuous monitoring and automated incident response.
- Outcome: Threat response time was **reduced** by **60%**, ensuring business continuity.

## Case Study 2: Ensuring Regulatory Compliance in Finance & Healthcare

- Problem: A financial services firm and a healthcare provider needed to meet PCI-DSS, HIPAA, and SOC 2 compliance.
- Solution: VDS implemented Cisco Secure Firewall, Cisco ISE (Identity Services Engine), and XDR for compliance reporting.
- Outcome: Automated security policies and reporting ensured full regulatory compliance with **70% less** manual work.



### Case Study 3: Cloud & Remote Workforce Security

- Problem: A retail business needed to secure its cloud applications and remote employees.
- Solution: Cisco AnyConnect VPN, Secure Client, and Cisco Umbrella protected employees, while Meraki MX (SD-WAN) optimized network performance.
- Outcome: Improved cloud security and **50% better application performance** for remote users.

### Case Study 4: Optimizing Network Visibility & Application Performance

- Problem: A logistics company struggled with unreliable SaaS application performance.
- Solution: Cisco ThousandEyes and AppDynamics provided deep visibility into network and application health.
- Outcome: Faster problem resolution and **40% improved** application performance.







## Take the Next Step

Cisco's AI-driven cybersecurity and IT optimization solutions—backed by VDS's expertise—enable businesses to operate securely, optimize their IT performance, and prevent cyber threats in real-time. Contact VDS today to deploy an integrated security and IT strategy that ensures resilience, compliance, and business continuity.



**Ready to transform your IT strategy?**

**Schedule a call today and let's discuss how we can help.**

Contact us to learn more about VDS and Cisco.

[www.voicedatasecurity.com/vdscisco](http://www.voicedatasecurity.com/vdscisco)





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