Cisco Redefines Cybersecurity Defense with Powerful, Portfolio-Wide Artificial Intelligence Capabilities

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NEWS SUMMARY:

- The new Cisco AI Assistant for Security marks a major step in making artificial intelligence pervasive in the Security Cloud, Cisco's unified, AI-driven, cross-domain security platform.
- The AI Assistant will reframe how organizations think about cybersecurity outcomes and tip the scales in favor of defenders by helping make informed decisions, augment existing capabilities and automate complex tasks.
- With unmatched visibility across the network and security, Cisco's AI Assistant is trained on one of the largest security-focused data sets in the world, which analyzes more than 550 billion security events each day.

MELBOURNE, Australia, Dec. 5, 2023 /PRNewswire/ -- **CISCO LIVE** -- Cisco (NASDAQ: CSCO), the leader in enterprise networking and security, today unveiled the Cisco AI Assistant for Security. This marks a major step in making artificial intelligence (AI) pervasive in the Security Cloud, Cisco's unified, AI-driven, cross-domain security platform. The AI Assistant will help customers make informed decisions, augment their tool capabilities and automate complex tasks.

"To be an AI-first company, you must be a data-first company. With our extensive native telemetry, Cisco is uniquely positioned to deliver cybersecurity solutions that allow businesses to confidently operate at machine scale, augmenting what humans can do alone," said **Jeetu Patel, Executive Vice President and General Manager of Security and Collaboration at Cisco**. "Today's announcement is a monumental step forward. This advancement will help tip the scales in favor of defenders, empowering customers with AI built pervasively throughout the Cisco Security Cloud."

As cyber attacks continue to evolve, organizations' defenses must, too. Ransomware and extortion attacks continue to persist at a steady pace, making up 20 percent of Cisco Talos Incident Response engagements this year, according to the new Cisco Talos *2023 Year in Review* report. Talos also

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observed an increase in sophisticated attacks on networking devices this past year, particularly by state-sponsored actors. The increased speed and sophistication of malicious actors requires the adoption of machine scale defenses.

With unmatched visibility across the network and security, Cisco works with more machine-driven telemetry and on a scale larger than most in the industry. The new Cisco AI Assistant for Security is trained on one of the largest security-focused data sets in the world, which analyzes more than 550 billion security events each day across web, email, endpoints, networks and applications. It can understand event triage, impact and scope, root cause analysis and policy design. With this data, the AI Assistant aims to close the gap between cybersecurity intent and outcomes. All of Cisco's AI capabilities are built securely and align with Cisco's Responsible AI Framework.

Continuing the rapid pace of innovation, today Cisco is introducing:

- **AI Assistant for Firewall Policy:** The Cisco AI Assistant for Security is first going live within the Cisco Cloud-delivered Firewall Management Center and Cisco Defense Orchestrator to solve the big challenge of setting and maintaining complex policies and firewall rules. Administrators can now use natural language to discover policies and get rule recommendations, eliminating duplicate rules, misconfigured policies and complex workflows with increased visibility as well as accelerated troubleshooting and configuration tasks.

- **AI-powered Encrypted Visibility Engine for All Firewall Models:** Most data center traffic today is encrypted and the inability to inspect encrypted traffic is a key security concern. Decrypting traffic for inspection is resource-intensive and fraught with operational, privacy and compliance issues. With the 7.4.1 Operating System now available across the entire Cisco Secure Firewall family, customers see AI go even further via the Encrypted Visibility Engine**.** The Encrypted Visibility Engine leverages billions of samples, including sandboxed malware samples, to determine if the encrypted traffic is transporting malware. It can tell which operating system the traffic is coming from and what client application is generating that - all without the need for decryption.

"The ability for AI to reshape our daily lives and professional landscapes is immense. As a longstanding Cisco partner, we're excited about the new Cisco AI Assistant for Security and how this will empower our customers with AI-driven efficiencies," said **Graham Robinson, Chief Technology Officer, Data#3**. "The introduction of the AI Assistant to Cisco Firewall Management Center will help our customers quickly and easily configure policy changes. When combined with the new features in the 7.4.1 software release and the Encrypted Visibility Engine, this offers a truly compelling overall experience."

To learn more visit cisco.com/go/security.

Additional Resources

- Blog: How We're Making AI Pervasive in the Cisco Security Cloud
- Blog: Give your firewall admins superpowers with Cisco AI Assistant for Security
- Report: Cisco Talos 2023 Year in Review

About Cisco
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