



The different cybersecurity layers of Adaptiv Connect

In today's interconnected digital landscape, organizations face increasing challenges in managing and securing their network infrastructure while meeting the growing demands of digital transformation. Software-Defined Wide Area Networking (SD-WAN) has emerged as a transformative technology, offering agility, scalability, and cost-effectiveness in connecting distributed enterprise networks.

This white paper provides a comprehensive overview of the cybersecurity layers integrated into Adaptiv Networks' SD-WAN solutions, highlighting the various security features and functionalities designed to safeguard network infrastructure, data, and applications. From baseline security measures to advanced threat detection capabilities, our solutions offer a multi-layered defense strategy to mitigate risks and ensure a secure and resilient network environment.

Through a detailed examination of our SD-WAN offerings, including Adaptiv Connect, Cloud Protect, and Cloud Secure, we aim to demonstrate how organizations can leverage our solutions to enhance their security posture while optimizing network performance and efficiency. By understanding the unique security challenges facing modern enterprises and the capabilities of our SD-WAN solutions, organizations can make informed decisions to protect their digital assets and achieve their business objectives securely.

Adaptiv Connect

Adaptiv Connect serves as the foundational SD-WAN solution offered by Adaptiv Networks providing organizations with a comprehensive set of networking capabilities aimed at optimizing connectivity, performance, and reliability across distributed networks. As the cornerstone of our SD-WAN portfolio, Adaptiv Connect delivers agility, scalability, and cost-effectiveness while incorporating essential security features to safeguard network infrastructure and data.

BUILT-IN SECURITY FEATURES:

- 1 Zero Trust Network Access (ZTNA):** Ensures that access to network resources is granted on a need-to-know basis, minimizing the risk of lateral movement by attackers.
- 2 Built-in stateful firewall in our Customer Premises Equipment (CPE):** Only incoming traffic going through the tunnel is accepted (unless there is a static public IP address provided by Adaptiv Networks for a public server which would allow inbound traffic for certain ports).
- 3 Encryption:** Adaptiv's proprietary protocol which secures data in transit, protecting against eavesdropping and interception of sensitive information.
- 4 Use of private IP addresses:** Shields the Local Area Network (LAN) from the internet, enhancing security by maintaining separation between internal and external network traffic.



Cloud Protect

Cloud Protect is designed to provide organizations with comprehensive security capabilities beyond the baseline features offered in Adaptiv Connect. By seamlessly integrating with our SD-WAN infrastructure, Cloud Protect extends the security posture of the network while maintaining agility and flexibility in connectivity.

KEY FEATURES:



Secure Web Gateway (URL Filtering)

One of the primary features of Cloud Protect is the inclusion of a secure web gateway deployed in the cloud. This component offers robust URL filtering capabilities by leveraging our database of over 20 million entries, allowing organizations to control access to websites and protect against phishing attempts, malware, and other malicious content.



Content Filtering

With content filtering capabilities, Cloud Protect enables organizations to enforce policies for acceptable internet usage. Administrators can define rules to block access to illegal or inappropriate websites, ensuring compliance with regulatory requirements and maintaining a secure browsing environment.



Centralized Management

Cloud Protect can be easily enabled with just one click on the orchestrator. Administrators can configure and manage security policies, monitor web traffic, and generate reports by using our predefined templates, simplifying security administration and ensuring consistency across distributed networks.



Cloud Secure

Cloud Secure is our SASE solution designed to address the evolving threat landscape and provide organizations with a more robust defense strategy against sophisticated cyber-attacks. By leveraging advanced security technologies and integrating seamlessly with our SD-WAN infrastructure, Cloud Secure delivers unmatched threat protection, visibility, and control.

KEY FEATURES:

+ Anti-Malware

Cloud Secure incorporates advanced malware protection mechanisms to detect and mitigate malware threats in real-time. Using advanced heuristics, behavioral analysis, and signature-based detection, it helps organizations prevent malware infections and data breaches.

+ Intrusion Detection and Prevention System (IDS/IPS)

Cloud Secure includes an Intrusion Detection and Prevention System (IDS/IPS) to detect and mitigate network intrusions and malicious activities. It analyzes network traffic patterns, identifies potential threats, and takes proactive measures to block or mitigate suspicious behavior.

+ Event Logging and Analysis

Cloud Secure offers comprehensive event logging and analysis capabilities, allowing organizations to monitor security events, track incidents, and investigate security breaches. It provides detailed logs and reports for compliance auditing and forensic analysis.

+ Data Loss Prevention (DLP)

With built-in Data Loss Prevention (DLP) capabilities, Cloud Secure enables organizations to identify and protect sensitive data from unauthorized access, exfiltration, or leakage. It offers content-aware inspection and policy enforcement to ensure compliance with data protection regulations.

+ URL Filtering

Going even further than with Cloud Protect, the URL filtering functionality in Cloud Secure allows organizations to enforce policies for web access and block access to malicious or inappropriate websites. It helps prevent phishing attacks, drive-by downloads, and other web-based threats by controlling access to untrusted content.

+ AI-Driven Threat Detection

Powered by artificial intelligence (AI), Cloud Secure employs advanced threat detection algorithms to identify and mitigate zero-day attacks and emerging threats. It continuously analyzes network traffic patterns and behavior to detect anomalies and suspicious activities.

Conclusion

In conclusion, through Adaptiv Connect, organizations can establish a solid foundation for their SD-WAN deployments, leveraging built-in security features such as Zero Trust Network Access (ZTNA), stateful firewall capabilities, encryption, and private IP addressing. This baseline security posture ensures that network traffic is safeguarded against unauthorized access and interception, laying the groundwork for secure and reliable connectivity.

Building upon Adaptiv Connect, Cloud Protect extends the security capabilities of our SD-WAN solutions with additional layers of defense against web-based threats. By integrating a secure web gateway (URL filtering) in the cloud, Cloud Protect enables organizations to enforce policies for web access, prevent phishing attacks, and block access to malicious or inappropriate websites.

At the forefront of our security offerings, Cloud Secure stands ready to answer the call of organizations with higher cybersecurity standards, offering a comprehensive suite of security features and capabilities. By integrating AI-driven threat detection, intrusion prevention, and data loss prevention technologies, Cloud Secure empowers organizations to proactively defend against emerging threats, detect and mitigate breaches, and maintain the integrity and confidentiality of their digital assets.

What's Next?

Get More Details:

To learn more about Adaptiv Networks' solution, visit our website at adaptiv-networks.com

Request a Demo:

Contact us to experience the quality and reliability of our solution, adaptiv-networks.com/contact-us



Free Consultation

Get More Details:

If you're just looking for some expert advice on your business cloud connectivity requirements, just reach out to start a conversation with us!

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