Major Aerospace Company Accelerates Secure Growth

INDUSTRY
Aerospace

HEADQUARTERS
United States

COMPANY SIZE:
1001-5000 employees

OVERVIEW

This major aerospace customer is a leader in technologically advanced and intelligent solutions for the global aerospace and defense industry. Over its long history, the Company has developed the capabilities, comprehensive portfolio, and expertise to solve its customers' toughest challenges.

OUR SOLUTION

Hybrid Mesh Network Security

CHALLENGE

When charged with upgrading the Company's security infrastructure to meet Gen V and future cyber threats, the Company's security team knew it would not be an easy task. The Company's network infrastructure consists of almost a dozen nodes spread around the globe, capable of delivering massive bandwidth to any link. On any particular link, bandwidth can spike from one to 10 gigabits per second for long periods, often multiple times a day. The network is fully redundant, with high availability, low latency and instant scalability mandated to meet customer Service Level Agreements (SLA's).

> Check Point Maestro Hyperscale Firewall allows us to add capacity on the fly, allowing us to optimize our network and provide the customer with the best experience and lowest latency possible.
>
> Manager, IT Security

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The security team had to find a solution that would allow them to scale on demand and stay secure in the face of these dynamically changing bandwidth requirements or overall latency would increase, thus violating customer SLA's. As the IT Security Manager explained, "We protect all data in transit to make sure what is inside, stays inside. It is no longer enough to protect just North-South traffic; we have to secure East-West traffic as well, along with addressing insider security threats that are becoming more and more prevalent in our industry."

SOLUTION

To find a solution that could meet their current and future needs, the security team decided to hold a "Next-Generation Firewall Bake-Off." The Company wanted a single security vendor so as to avoid any "fingerpointing" in case of potential issues. They also sought a supplier with a proven track record of releasing cutting-edge technology that addressed new types of threats. The team invited five leading security companies to compete in a rigorous trial.

Check Point emerged as the clear winner. "The Check Point Firewalls, along with the Check Point Maestro Hyperscale Firewall and Check Point Security Management, stood far above the competition," the Security Manager summarized. "Check Point Maestro Hyperscale Firewall allows us to scale our throughput up or down instantly as required by our customers."

The Check Point Firewalls provided the foundation of the company's security architecture. In addition to the Check Point Intrusion Protection System (IPS), the team enabled Site-to-Site VPN, Mobile Access, Application Control, URL Filtering, Content Awareness (data security), Identity Awareness, Anti-Bot, and Anti-Virus Protection. These features stopped virtually all incoming attacks.

With more than 120 Check Point Firewalls required to support traffic loads, the security team concluded that the Check Point Maestro Hyperscale Firewall was the best solution for their critical need to provide near-instantaneous flexibility and scalability across their network's multiple nodes. Based on Check Point's patented HyperSync technology, Check Point Maestro Hyperscale Firewall's N+1 clustering allows firewall capacity to be added or reduced without physically changing hardware. This design also provides the high-availability and low latency requirements of the Company's customers by load-balancing among the clustered Check Point Firewalls, thus optimizing customer investment while providing full redundancy.

"Check Point Maestro Hyperscale Firewall allows us to add capacity on the fly, allowing us to optimize our network and provide the customer with the best experience and lowest latency possible," the Security Manager emphasized.

The selection of the Check Point Security Management system became a critical piece in meeting the security challenges the team set out to address. With the Check Point Security Management features, the team members finally had the tools they needed to monitor their network, respond proactively to potential issues, as well as to develop and test new changes before implementing them in the production environment.

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"Check Point Security Management gives us a single pane of glass to look through instead of needing to look in multiple locations," said the Security lead. "And because it acts as a single, unified system with the Check Point Maestro Hyperscale Firewall, we can now implement policies that follow the frequent changes we make in our network, making our work much easier." With Check Point Security Management system overseeing the Check Point Maestro Hyperscale Firewall and managing their ever-changing Check Point Firewall requirements, the Company's security team felt they had implemented a solution that met today's needs and would continue to do so far into the future.

OUTCOME

The security team realized immediate benefits from their new installation. Check Point Firewalls now not only guarded the entire company against Gen V attacks, but protected customer and employee data as well. The selection of Check Point resulted in a much more efficient security infrastructure, increasing user uptime, and reducing workload across the entire IT group.

Before installing the Check Point Maestro Hyperscale Firewall, increasing capacity often meant adding new hardware. It was a time consuming exercise that could impact overall network performance. Check Point Maestro Hyperscale Firewall allowed the security team to manage firewall capacity remotely, removing any potential throughput issues. Explained the Company's Security Manager: "No longer is the firewall a potential chokepoint in our network. With Check Point Maestro Hyperscale Firewall, we can scale security throughput right along with network and data demand. It's scalable, just like our network is."

Security engineers at the Company now feel they are ahead of the game. With Check Point Security Management, they can change policies dynamically and with minimal rule changes. "Single-pane-of-glass visibility allows us to see what's going on everywhere, at any time, allowing us to be more proactive as opposed to reactive," said the Security Manager. "We're now at least 100% more efficient than we were before Check Point. "

The Company chose Diamond Support for 24×7 response and guaranteed resolution times. The entire IT team has been impressed with the expertise and responsiveness of Diamond-level support engineers. "Check Point has been a partner in every aspect of the installation and management of our network," explained the Security team leader. "Their Diamond engineers dive in and take ownership: they get to the bottom of an issue without delay." Summarizing his experience with Check Point, the Security Manager exclaimed: " The entire project has been inspirational. It's given us all a sense of pride in what we are doing."

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About Check Point Software Technologies Ltd.

Check Point Software Technologies Ltd. is a global cyber security leader protecting more than 100,000 organizations worldwide. Its mission is to secure enterprises' AI transformation. With a prevention-first approach and an open ecosystem architecture, Check Point helps organizations block advanced threats, prioritize exposures, and automate security operations across complex digital environments. The unified architecture simplifies protection across hybrid networks, multi-cloud environments, digital workspaces, and AI systems. Structured around four strategic pillars, Hybrid Mesh Network Security, Workspace Security, Exposure Management, and AI Security, Check Point delivers consistent protection and visibility across multivendor environments, enabling organizations to reduce risk, improve efficiency, and accelerate innovation without increasing complexity.

LEARN MORE

Worldwide Headquarters
5 Shlomo Kaplan Street, Tel Aviv 6789159, Israel | Tel: +972-3-753-4599

U.S. Headquarters
100 Oracle Parkway, Suite 800, Redwood City, CA 94065 | Tel: 1-800-429-4391

www.checkpoint.com
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