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How To Simplify Enterprise Security With A Cybersecurity Mesh Architecture (CSMA)

Today's enterprises have deployed on average 45 security solutions across their networks, making any sort of centralized management nearly impossible. Adopting a "best-of-breed" or "point product" approach[1] complicates management, fragments visibility, and limits the ability of organizations to respond effectively to threats. And worse, detecting and responding to a cyber-incident requires coordination across all these tools, leading to complex workarounds that must be constantly managed and reconfigured every time a device is upgraded.

Organizations need to pursue a best-of-breed AND integrated approach, known as a Cybersecurity Mesh Architecture (CSMA), to speed-up and automate response to cybersecurity threats while reducing complexity.

Organizations driving digital acceleration must leverage a broad, integrated, and automated cybersecurity platform as the core foundation of a true CSMA. This ensures that they build robust, scalable, and manageable secured deployments.

Cybersecurity Mesh Platform Checklist

☑ Broad.

Choose a platform that provides the flexibility to implement distributed security controls across all network, device, cloud, and application edges for broad visibility and protection across the entire digital attack surface to better manage risk.

☑ Integrated.

An integrated platform eliminates silos and offers a unified solution that reduces management complexity while sharing threat intelligence across the entire deployment.

☑ Automated.

Choose a platform that enables collaboration between deployed solutions and provides automated self-healing networks, augmented with artificial intelligence (AI)-driven security, for fast and efficient detection, operations, and response.

☑ Open Ecosystem.

A true cybersecurity mesh platform breaks down technology and vendor silos. Choose a platform that enables and supports a broad, open ecosystem of technology partners.

For over a decade, Fortinet has promoted that a broad, integrated, and automated cybersecurity mesh platform, provided by the Fortinet Security Fabric, is essential for reducing complexity and increasing overall security effectiveness across expanding networks.

Fortinet's portfolio of more than 50 security and networking technologies—the largest in the industry—is designed from the ground up shares threat intelligence, correlates data, and automatically responds to threats as a single, coordinated system. We also integrate and interoperate with over 450+ third-party technology partners as part of our Fortinet Security Fabric open ecosystem.

[1] "Cost of a Data Breach Report," IBM, 2021.