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SOLUTION BRIEF

HPE Edgeline Converged Edge Systems and OT Link, Secured with Fortinet

Executive Summary

HPE and Fortinet together secure industrial environments by combining the HPE Edgeline Rugged Form Factor Edge System and OT Link with Fortinet solutions to enable secure integration and convergence of operational technology (OT*) systems.

Solution Overview

OT networks, which control equipment in critical infrastructure such as utilities and manufacturing assembly lines, have traditionally been kept separate from information technology (IT) networks, which control data in all organizations. In recent years, compelling innovations in IT such as artificial intelligence (AI) and big data analytics promise to bring improved outcomes to OT networks as well. OT or industrial devices are now collecting rich datasets that can be used to improve decision-making, and OT, which was once air gapped from the corporate IT network, is now increasingly connected to it. As a result, the integration of OT and IT networks is accelerating, and this expands the digital attack surface, exposing OT networks to attacks coming from IT networks. OT security breaches, once exceptional, are now commonplace.

The HPE Edgeline Converged Edge Systems is a new product category that converges OT with enterprise IT in a single ruggedized system for the edge. HPE Edgeline OT Link Software bridges the gap between data in the field or factory and business applications for companies looking to implement Industrial Internet-of-Things (IIoT) solutions and enable simple, fast, and predictable IIoT implementations. The different Edgeline industrial software and hardware work seamlessly together to allow companies to access and exploit data previously trapped inside industrial equipment, no matter where or when it was deployed. It also offers data and device management so companies can optimize both how they run their business and how their users' businesses operate.

HPE's Edgeline hardware and software converged solution, when combined with the Fortinet Security Fabric, enables organizations integrating IT and OT environments to apply the right controls and technologies so CISOs can protect their OT environments by:

- Gaining broad visibility of the attack surface
- Segmenting the network to limit the impact of any intrusion
- Analyzing traffic, including encrypted traffic and common OT protocols, to protect against threats
- Controlling network access by users and devices, enforcing identity-based policies using zero-trust principles
- Securing both wired and wireless access, centrally administering controls from one interface

A New Style of Partnering

Hewlett Packard Enterprise and Fortinet are collaborating in a fresh new way to bring increased value to customers like you.

We know that acquiring technology is only the first step in achieving a business goal. The technology pieces need to work together. They need to be tested. They need to provide rich functionality, quickly and effectively, so you can concentrate on your business needs.

To help satisfy these needs, Fortinet is a member of the HPE Partner Ready for Technology Partner program, an industry-leading approach to supply sophisticated integrated technologies in a simple, confident, and efficient manner. And, HPE is a member of Fortinet's Open Fabric Ecosystem that provides integrated solutions to customers for comprehensive end-to-end security.

By participating in each other's programs, both HPE and Fortinet have access to the other's tools, processes, and resources to help our joint customers accelerate innovation and transformation that brings value, achieves business needs, and increases revenue and market share.

HPE and Fortinet have collaborated to provide best-in-class and unparalleled protection from a comprehensive suite of network, and application security solutions across physical, virtual, and cloud environments.

FULTINET
Fabric-Ready

Hewlett Packard Enterprise
Technology Partner
Microsoft Azure Stack Tested
SILVER PARTNER

For more than a decade, Fortinet cybersecurity solutions have been protecting OT environments in sectors such as energy, defense, manufacturing, food, and transportation. The Fortinet Security Fabric integrates these OT security solutions with best-of-breed threat protection for corporate IT environments that extends from the data center, to the cloud, to the numerous network "edges" created by increasing embrace of digital innovation.

This Fabric integration, coupled with automation and built-in support for industry standards, minimizes the complexity and reduces the OpEx of OT security management, especially when compared to point security solutions that add complexity to siloed IT and OT environments. With the Fortinet Security Fabric, CISOs have an efficient, nondisruptive way to ensure that the OT environment is protected and compliant.

* OT is a synonym for industrial control systems (ICS). OT was established as a term to contrast with IT, because OT protocols, vendors, and use cases are distinct. Supervisory control and data acquisition (SCADA) systems are an element of OT. SCADA systems use graphical user interfaces for high-level supervisory management of OT/ICS processes.

Product Overview

Ruggedized Fortinet FortiGate

FortiGate Rugged Series offers an industrially hardened, all-in-one security appliance that delivers specialized threat protection for securing critical industrial and control networks against malicious attacks.

HPE Edgeline with OT Link

HPE Edgeline Converged Edge Systems converge OT—such as data acquisition, control systems, and industrial networks—with enterprise-class IT in a single, rugged system suited for harsh environments to enable innovative new abilities at the edge.

Company Overview

About Fortinet

Fortinet secures the largest enterprise, service provider, and government organizations around the world. Fortinet empowers our customers with complete visibility and control across the expanding attack surface and the power to take on ever-increasing performance requirements today and into the future. Only the Fortinet Security Fabric platform can address the most critical security challenges and protect data across the entire digital infrastructure, whether in networked, application, multi-cloud, or edge environments. Fortinet ranks #1 in security appliances shipped worldwide and more than 465,000 customers trust Fortinet to protect their businesses. Both a technology company and a learning company, the Fortinet Network Security Expert (NSE) Institute has one of the largest and broadest cybersecurity training programs in the industry.

About Hewlett Packard Enterprise

Hewlett Packard Enterprise is the global edge-to-cloud platform as-a-service company that helps organizations accelerate outcomes by unlocking value from all of their data, everywhere. Built on decades of reimagining the future and innovating to advance the way people live and work, HPE delivers unique, open and intelligent technology solutions, with a consistent experience across all clouds and edges, to help customers develop new business models, engage in new ways, and increase operational performance.
Learn more at hpe.com/partners/technology.

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November 11, 2020 9:20 PM

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