Enabling the shift from data center to the intelligent edge

Digital transformation supported by edge computing solutions

IT's move from the data center to a distributed environment managed at multiple, diverse points is happening now. And it's happening fast. Commercial and industrial organizations increasingly rely on edge computing environments to support manufacturing processes, the movement of goods from one place to another, and digital interaction with customers. Driving these projects is the need to gain agility and competitiveness in dynamic, constantly evolving markets.

It's hard for a company, no matter its size or vertical focus, to handle the shift away from the data center on its own. Now, they don't have to. Instead, they can leverage Schneider Electric's alliance with Hewlett Packard Enterprise (HPE) to handle their edge projects. Together, these two market leaders provide combined solutions and services to help organizations in multiple industries meet today's IT requirements and anticipate those of tomorrow.

Global spending on digital transformation technologies is projected to hit **$2.3 trillion** by 2023 according to IDC.

IDC estimates that **over 50%** of new IT infrastructure will be deployed at the edge by 2023.

Building the edge for tomorrow's needs

Schneider Electric and HPE together deliver a wide range of edge computing turnkey solutions designed to support just about every business outcome in enterprise or industrial spaces. Consider some of the settings in which these solutions already are delivering results:

A major retail chain is deploying store-in-a-box solutions to manage entire locations autonomously.

Manufacturers are implementing industrial automation in-a-box by leveraging hyper converged infrastructure.

Companies are deploying fully managed branch locations in-a-box so that employees can work and securely connect to the network from home.

In any of these scenarios, organizations would have struggled to deploy, manage and secure their environments if they had relied on traditional implementations run from centralized data centers. Instead, they launched with fast, cost-effective deployments by leveraging pre-configured, tested, and validated solutions from Schneider Electric and HPE.

These joint solutions are all remotely managed and secured to meet requirements at the edge, allowing organizations to scale from one node to many, one site to global. The solutions speed time-to-value, enabling customers to:

- Make business decisions locally in real time

- Operate autonomously even in places with unreliable connectivity

- Easily scale for larger operations

- Ensure localized security and compliance

- Improve operations and boost ROI

Thanks to solutions and services from the Schneider Electric and HPE alliance, organizations don't worry about running complex distributed environments. Instead, they can focus on their core business and leave IT implementation and management to Schneider Electric, HPE, and a combined network of expert channel partners.

Innovation, integration, and automation

Edge computing environments make it possible for companies across a wide spectrum of industries, including retail, healthcare, distribution, communications and manufacturing, to quickly acquire, analyze and act on data. Of course, edge locations require protection – physical, electrical, and virtual – so they can operate safely. Together, Schneider Electric and HPE help deliver the security, innovation, integration, and automation that organizations need at the edge, no matter their vertical focus. Here's how:

- Accelerating business decisions

- Simplifying procurement decisions for edge deployments

- Delivering pre-integrated, tested, and standardized solutions globally with remote management and automation

- Offering comprehensive support to help mitigate quality risks and enhance the customer experience

An alliance you can trust

As technology developments shape and reshape existing markets and create new ones, Schneider Electric and HPE draw on each other's strength to build value together for their customers. Currently, the partnership focuses on delivering the intelligent edge by enabling the deployment and remote management of IT anywhere and everywhere as a service by providing:

- Purpose-built converged edge systems and integrated management to support IoT (internet of things) enablement

- High-quality standards to satisfy customer demand for reliability and availability

- Field teams to proactively support channel partners with solutions built on validated designs

- Management tools, such as Schneider Electric's PowerChute™ 4.2 and HPE's SimpliVity,™ to help partners design the right solutions for their customers

What the alliance delivers

Schneider Electric and HPE facilitate edge implementations by delivering fully managed, integrated, standardized solutions that:

- Manage secure and converged IT/OT infrastructure in harsh environments

- Deliver safe remote environments for employees working at home

- Automate processes to drive efficiencies and enhance customer experience

- Capture and analyze IoT and AI (artificial intelligence) data to drive smart business decisions that improve agility and boost competitiveness

Together, Schneider Electric and HPE help customers remove complexity by standardizing infrastructure and management. In-a-box solutions make it much easier for organizations to move forward with edge deployments. Instead of gathering together different components to build the architecture, they get everything they need in a tidy and tested package from Schneider Electric and HPE.

6U Wall Mount EcoStruxure™ Micro Data Center

Channel partnerships

The Schneider Electric and HPE partnership offers many benefits, but one of its main advantages is a vast ecosystem of channel partners. Our partners deliver deep expertise in implementation, integration and management of edge systems to customers all over world. Here's why the partner network is important:

- Channel partners working with Schneider Electric and HPE have the know-how and experience to deliver validated solutions to joint customers anywhere in the world.

- Partners play an essential role to ensure edge deployments, whether they are supporting IoT implementations, IT/OT convergence or some other technical need, are implemented, managed and secured to the high standards set by Schneider Electric and HPE.

- Partners have access to remote management tools and links between EcoStruxure™ IT and HPE OneView™ as well as PowerChute 4.2 integration with HPE's SimpliVity.

HPE Edge Center

For organizations looking to accelerate their edge deployments, a practical, easy-to-deploy solution is the HPE Edge Center. Purpose built, self-contained, and fully integrated, this Data Center in a box houses all on-premise systems and is connected to the larger hybrid cloud. Ideally suited to limited spaces, whether in industrial or office settings, HPE Edge Centers include remote monitoring and management, security, and automated workload protection.

Everything-as-a-service

HPE is moving to an everything-as-a-service model by 2022, and Schneider Electric is supporting this initiative. Both companies are working together to enable subscription-based data edge services anywhere and everywhere through HPE GreenLake IT™ on demand. Coupled with Schneider Electric's modular prefabricated solutions, GreenLake IT enables channel partners to serve customers' IT and edge needs so customers can focus on their core business.

HPE Edge Center

Edge solutions for evolving infrastructure needs

Remote management and automation
As edge deployments grow, it's impossible to staff every location. Schneider Electric and HPE solutions are available with remote management to increase visibility and uptime. In addition, automated workload protection and failover ensure business continuity of critical applications. As a result, customers get peace of mind and more time to grow the business.

Cost effectiveness
Solution pre-integration and validation spares organizations the expense and time of identifying and matching components from multiple suppliers. For solutions delivered as a service, financing can be tailored to specific needs and classified as operating rather than capital expenses.

Flexibility and scalability
Different edge sites have unique solution needs that hinge on space requirements, application type, and environment. From single servers to multiple-rack systems to modular micro data centers, solutions and services are built for an organization's specific configuration needs. To save time and money, configurations can be replicated to make them repeatable and easy to scale.

Security
Securing distributed IT sites is critical, particularly at facilities without dedicated IT staff. Remote capabilities built into the solutions make it easier to monitor and manage security. Our software-defined monitoring systems address physical security needs and cyber threats.

Small footprint
As edge environments grow, it isn't always easy to find space for new equipment. To address this issue, Schneider Electric and HPE offers wall-mounted systems and reduced footprint solutions to simplify deployment and save space in edge and remote environments.

Get results

Organizations that leverage the Schneider Electric and HPE alliance for edge solutions can see results in the form of quick ROI, accelerated deployments, and fully managed infrastructures that give them peace of mind and a clear path into the digital future. As IT moves from the data center to the edge, count on Schneider Electric and HPE for a quick, successful transition.

The Schneider Electric and HPE alliance for edge solutions are flexible enough to accommodate changing infrastructures, so you can focus on driving your business goals. **Discover more.**

Hewlett Packard Enterprise

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