Activate the edge

IoT solutions from Accenture and HPE

A new day is dawning for IT

The IoT Revolution is here, and it is transforming the demands that business places on the IT organization. Specifically, the IoT Revolution challenges IT to move core applications and processing capabilities from the data center (and even public cloud) to the edge of business.

In this new world, manufacturing sites, retail stores, branches, and vehicles have become critical IT processing sites—collecting, aggregating, and performing real-time analytics, and packaging data for further deep learning.

The Accenture | HPE Alliance is focused on delivering the key solutions that IT needs to flourish in the new world of IoT—and activate the edge.

Get ready for IoT

Centralized computing in the data center is a proven process. And like any proven process, it's trusted.

But what happens when radical technologies emerge—such as the Internet of Things (IoT) and edge computing—that disrupt standard operating and computing procedures? Basically, you have three choices:

- Continue using the tried-and-true methods, even if they are now outdated.

- Forge ahead into uncharted computing territory on your own.

- Work with experts who understand the latest disruptive technologies and know how to help you capitalize on them.

For a growing number of companies, the third option is the clear choice—together with Accenture and HPE.

Unique approach

Accenture and HPE work together to design three-tier solutions that support the entire compute spectrum—from the edge to the upper end of your enterprise data lakes. These solutions:

- Offer profound capabilities that bring together the systems you have today and build a bridge to what you will want tomorrow.

- Deliver comprehensive built-in security not found in any other IoT solution today, and delivering the support you need for Industry 4.0.

- Blend operational technology (OT) with IT to help you "shift left" and compute closer to the edge, supporting systems and apps with the same solution.

- Are holistic, comprised of HPE infrastructure, Aruba wired and wireless networking, Accenture IoT platform, and industry-specific third-party applications.

Protect data at the edge

For every organization today, data security is a top-of-mind concern. That concern grows more acute when you consider moving to a distributed computing model—putting you in the uncomfortable position of moving data processing out of your trusted and easy-to-secure data center and into a higher risk, harder-to-secure edge.

Done properly, with secure edge computing, data processing takes place at the source of the data (i.e., on the LAN). This method reduces the attack surface and hacking risk by limiting the amount of data traversing a WAN. This approach also helps reduce the need for costly network upgrades to transport ever-increasing volumes and large data types such as video to a data center. These are excellent benefits, but edge-computing solutions from Accenture and HPE go much further:

- HPE ClearPass applies user context and behavior to determine if IoT devices are behaving the way they should. If not, the devices are flagged for investigation.

- Accenture tailors each solution to the appropriate industry-specific compliance requirements.

- Aruba, a Hewlett Packard Enterprise Company, and Accenture have a dedicated security practice, offering the best choice for wireless and wired devices at the edge. Our networking experts can align the right products at the right layer of your IoT solution to deliver the required security.

- Together, we design integrated and highly secure Industrial IoT (IIoT) solutions.

Learn more at
hpe.com/partners/accenture
accenture.com/hpe

Tomorrow's IoT solutions, available today

Each IoT use case is unique, requiring specialized technological capabilities. To support a wide variety of uses cases, Accenture and HPE work with proven solution providers to deliver a comprehensive portfolio of world-class hybrid IoT offerings based on HPE's hybrid IT approach, driven by HPE hardware and software, and optimized by Accenture's unmatched industry relevant services.

All of our IoT solutions leverage the advanced capabilities of HPE Edgeline Converged Edge Systems—bringing high-performance compute to the edge, while also converging compute, storage, and systems management with OT such as data capture and control.

Depending on your needs, you can choose from the following use cases/solutions:

- **Legacy manufacturing integration for predictive maintenance**—Enabling seamless OT and IT linkage in manufacturing plants to transform existing infrastructure to gain greater cost-efficiency.

- **Real-time analysis and condition monitoring with predictive maintenance**—Running entirely at the network edge, this solution enables plant operators to economically instrument all their machines to proactively detect and diagnose faults.

- **Real-time data acquisition, monitoring, and control**—Meeting your needs for acquiring and analyzing data generated from "smart things" in real time.

- **Enabling data management at the edge**—Helping you improve business operations at every step of the delivery process, regardless of what product you build or service you deliver.

- **Edge video analytics**—Enabling you to analyze images captured from one or more cameras.

- **Asset monitoring and management**—Collecting, analyzing, and providing data through a cloud dashboard.

- **The intelligent edge workspace**—Enabling people to work from multiple locations—including branch offices—using a variety of devices.

Scale capacity on your terms

As your IoT deployment grows, you can easily and cost-effectively add capacity by choosing HPE Flexible Capacity. This IoT-as-a-Service solution offers on-demand capacity that combines the agility and economics of the public cloud with the security and performance of on-premises IT. You'll also enjoy the added benefit of Accenture managing all the IoT technology and solution components.

Get the most from IoT

Contact your HPE or Accenture representative today to learn more about IoT and edge computing. Find out how we can help you capitalize on the five success factors for IoT:

- **Act quickly**—Stay plugged into technology changes.

- **Capitalize on innovations**—Leverage emerging hardware and software technologies to create new business opportunities.

- **Build a compelling business case**—Enable greater acceptance company-wide.

- **Implement an IoT platform**—Work with Accenture and HPE to design a solution that precisely matches your needs.

- **Be thorough**—Leverage the experience of our industry experts to plan a comprehensive IoT solution that support's business growth, efficiency, and productivity.