WHY 2018 IS THE YEAR OF POWER ARCHITECTURE

With industry advances in AI and Machine Learning, Power architecture is transformative for enterprises

June 5th, 2018 • Innovation Enterprise • Kevin Beasley

In the always-connected business world we live in, it's the technology working behind the scenes that plays the vital role of ensuring that all virtual processes are running smoothly and that businesses have the ability to grow and develop. Although computer processors aren't always the first element many people think of when considering how businesses achieve success, they're the backbone to all digital operations and provide the infrastructure necessary to keep a company and its IT systems functioning.

That's where Power comes in.

Power processors, which were originally developed by IBM, meet and exceed the needs of countless companies across all industries. The technology offers innovative features that aren't met by other processors, including an award-winning reliable infrastructure, high computing capabilities, on premise software, ease of use and integration, requiring very little maintenance after installment. This ultra-reliable infrastructure is highly beneficial to companies because they don't have to waste time maintaining the system or fixing issues that typically arise with other processing configurations. Power processors give organizations the ability to flourish with cutting-edge technology – instead of being deterred by aging or dated machinery – and are highly reputable among leaders in the technology industry.

To support Power technology and all it has to offer, leaders in the technological space convened to establish The OpenPOWER Foundation in 2013, a follow on to Power.org, which was formed in 2004 and replaced the Apple-IBM-Motorola, (AIM), relationship. Founded as an open technical membership organization, OpenPOWER enables companies to customize Power CPU processors and system platforms for modernization and optimization based on their specific business needs. OpenPOWER represents all things Power, providing an open ecosystem using Power architecture that allows users to share expertise, investments and intellectual property. The foundation's top members include the likes of Google, IBM, Nvidia and Micron, among others. The Power ecosystem is attractive to these technology powerhouses for its ultra-reliable infrastructure, the ability to power supercomputers and the capability of Power processors to scale up. Unlike other processors that can only scale out, the ability to scale up allows companies to scale to massive computers and supports high-performance computing tasks such as Google AI and IBM

innovation enterprise

Vormittag Associates, Inc.
A Leader in Enterprise Management Software
www.vai.net

Watson, which both run on Power. While the Power ecosystem is a household name in the tech industry, it is also widely employed in the high speed telecom, automobile, aerospace, and software industries.

In the software industry, processors are the life source behind all operations. For enterprise resource planning (ERP) providers, it's particularly important that the processors running their systems offer features that allow for flexibility among users, ease of use and reliability. ERP providers work with customers from a wide range of industries who have a diverse sets of needs, so having the ability to adjust to unique use cases is crucial for successful deployments and customer satisfaction.

VAI utilizes POWER to run its data center because of its high computing capabilities and rock-solid infrastructure. The company's cloud computing offering is very popular among its customers as more companies are adapting to cloud technology. Because many customers rely on VAI to protect their data and support their business growth through the cloud, it's imperative that VAI be supported by a reputable framework and infrastructure—which POWER guarantees. The company also recently partnered with IBM to integrate Watson Analytics with its S2K Enterprise ERP solution, and POWER ensures that VAI customers can easily implement the technology and have it up and running very quickly. POWER's highly flexible features provide VAI with the tools necessary to exceed customer needs and encourage customers to advance in their fields with the state-of-the-art technology available to them.

In 2018, as AI and machine learning initiatives are beginning to make their way into business operations, Power platforms and The OpenPOWER Foundation are paving the way for innovation and advancement to take place across all industries. With its high computing capabilities and robust infrastructure, companies who run on Power platforms more adept to integrate new technologies such as AI and machine learning into their operations.