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Marvell's Total Cloud Platform Solution Powers the World's First Dedicated ARM-Based High Density Cloud Server from Online.net Labs

Online.net Labs and Marvell collaborate to launch a new cloud platform to address the fast growing needs for next generation application hosting servers

SANTA CLARA, Calif., Nov. 3, 2014 /PRNewswire/ -- [Marvell](#) (NASDAQ: MRVL), a worldwide leader in integrated silicon solutions, today announced that the Marvell® ARMADA®-XP System-on-Chip (SoC), Prestera® DX Switch and Alaska®-X 10GbE PHY solutions have been selected by Online.net Labs, the hosting subsidiary of a leading French telecom company, Iliad S.A., to support the world's first dedicated ARM-based cloud platform. By incorporating Marvell technologies, Online.net Labs' advanced platform technology can address the fast growing needs for next generation application hosting servers. Marvell and Online.net Labs' partnership also demonstrates Marvell's continued leadership in powering cloud-based platforms. This platform will be powering Online.net Labs' hosting services in Europe and the United States by early 2015.

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"I am very pleased to see that Marvell, as a proven leader of technology inventions and innovations in connectivity, storage, infrastructure and software, delivers the total platform solution for highly scalable, secure, and smart cloud servers and enables next-generation cloud-based services. I believe these emerging server platforms will be critical in addressing the fast growing needs for new and exciting applications including mobile computing, live video streaming and Internet of Things," said Weili Dai, President and Co-Founder of Marvell. "I am very proud of our partnership with Online.net and Iliad in launching the world's first dedicated ARM-based cloud server. I would like to thank our very dedicated and talented engineering teams around the globe in achieving another significant milestone for our industry."

"Our cloud platform is designed for applications that need dedicated, consistent and predictable performance. Marvell delivers an impressive suite of technology that we have come to rely on for many Iliad programs," said Arnaud de Bermingham, CEO of Online.net Labs. "With Marvell, we created the first platform capable of reproducing all cloud features directly in the hardware and are excited about the new initiatives for our customers and the industry. We appreciate Marvell's innovation and look forward to future partnerships as we continue to push the boundaries of server and data center capabilities."

The new [Online.net Labs cloud server](#) is based on Marvell's quad-core ARM CPU with 2GB of RAM and Multiple 1 Gbit/s network and SATA ports that offers users the ability to design, snapshot, image and scale servers, providing users on-demand storage, movable IPs and an S3 compatible object storage service. This also is the world's first hosting provider to offer a dedicated ARM-based cloud platform supported by the Marvell ARMADA-XP SoC, the Marvell Alaska-X physical layer (10GbE PHY) transceivers and Prester-DX switches and is supported by the Linux community. Built for hyperscale applications, Online.net Labs' platform is mature and fully supported by Ubuntu Server for ARM operating system, including LAMP stack, Docker, Puppet, Juju, Hadoop, MAAS, and more.

[ARMADA-XP](#) series delivers the best performance per watt to empower emerging cloud computing applications ranging from high performance networking and cloud servers to high-volume SOHO/home server products like Network Attached Storage (NAS) and media servers. The industry's first quad-core ARM processor designed for enterprise-class cloud computing applications, the ARMADA XP series integrates four Marvell designed ARM compliant 1.6GHz CPU cores along with variety of I/O peripherals and offload engines to address the increasing demand of data centers and networking equipment.

The [Marvell Prestera-DX family](#) of packet processors optimized for software-defined storage, networking and compute solutions for a new generation of networks. The Prestera DX family offers 28nm packet processing solutions built for application driven resource management and services delivery. The highly integrated Gigabit Ethernet (GbE) and 10GbE/1GbE switch family offers a complete portfolio addressing every segment of managed GbE switching by enabling feature-rich and secure networking platforms for embedded, campus, industrial and service provider networks.

The [Marvell Alaska X 10 Gigabit Ethernet transceivers](#) are Serializer/Deserializer (SERDES) devices featuring the industry's lowest power, highest performance and smallest form factor. The Alaska X devices are optimized for 10 Gigabit Ethernet applications transceivers supporting copper media with advanced high-speed Ethernet connectivity products. Alaska X design for host of equipment types, ranging from data center and enterprise switches to storage and server equipment. In addition, Alaska X designed to deliver 10Gbps Ethernet connectivity over unshielded twisted-pair copper cabling adhering to structured wiring rules and distances in excess of 100 meters.

About Marvell

Marvell (NASDAQ: MRVL) is a global leader in providing complete silicon solutions and Kinoma® software enabling the "Smart Life and Smart Lifestyle." From mobile communications to storage, Internet of Things (IoT), cloud infrastructure, digital entertainment and in-home content delivery, Marvell's diverse product portfolio aligns complete platform designs with industry-leading performance, security, reliability and efficiency. At the core of the world's most powerful consumer, network and enterprise systems, Marvell empowers partners and their customers to always stand at the forefront of innovation, performance and mass appeal. By providing people around the world with mobility and ease of access to services adding value to their social, private and work lives, Marvell is committed to enhancing the human experience.

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