

Penguin Computing and Cumulus Networks Provide a Flexible, Cost-Effective Switching Platform for Enterprise Data Center Networks

2015-04-28

Focus on Data Center and Cloud Customers With Compute Intensive, Big Data and Analytics Needs

LAS VEGAS, NV; April 27, 2015 - Penguin Computing, provider of high performance computing, enterprise data center and cloud solutions, today announced the Arctica 4804ip switch and a collaboration with Cumulus Networks to extend open networking to the full rack through the new Cumulus Rack Management Platform (RMP™) OS. "This extension of our partnership with Cumulus Networks brings their novel Rack Management Platform OS to Penguin Computing's reliable open hardware," said Phil Pokorny, Chief Technology Officer, Penguin Computing. "This exceptional solution for managing a rack of servers extends the value of our entire Arctica line of 1GbE (4804i), 10GbE (4804x, 4806xp) and 40GbE (3200xl, 3200xlp) switches, providing customer choice and excellent performance at a fraction of what it historically cost." Penguin Computing and Cumulus Networks share the common vision of bringing the core benefits of open technologies to their customers: prevention of vendor lock-in; reduction in capital and operational expenditures and ease of automation; and operation and orchestration by providing similar management interface for both computing and networking platforms. Penguin Computing brought the earliest Linux Servers to market and Cumulus Networks built the first commercially available Linux based Network Operating System to run on Penguin Computing switches. Working together, the two companies have developed an ideal methodology for data center and cloud customers with compute intensive, big data and analytics needs. The Cumulus Rack Management Platform OS is based on the mature Cumulus Linux code base and is designed specifically for specialized out-of-band switches. Because this is a true Linux distribution, switches running Cumulus RMP may be managed by the same Linux toolsets as those used on servers and switches running Cumulus Linux. "Together, Penguin Computing and Cumulus Networks provide our customers great networking for layer 2, layer 3 and overlay networks with a robust portfolio of 1GbE (4804i), 10GbE (4804x, 4806xp) and 40GbE (3200xl, 3200xlp) Arctica switches and Cumulus Linux, the OS for open networking," said Reza Malekzadeh, VP of Business, Cumulus Networks. "With the addition of the new Arctica 4804ip out-of-band management switch to the Penguin Computing portfolio, customers can use the same Linux toolset to manage the entire rack." Arctica 4804ip is a 48 port GbE Layer 2+ switch in a compact 1U form factor, suited for both Enterprise Access and Data Center Out-Of-Band (OOB) networks, such as IPMI. The switch provides 48 10-BaseT/100-BaseTX/1000-BaseT ports and 4 1G/10G SFP+ ports. Further, a specialized version of this switch, namely Arctica 4804ipe, provides in addition, POE+, Power Over Ethernet feature. Arctica 4804ip implements x86-based control plane for easier integration of automation tools. Visit Penguin Computing's Interop booth #1458 in Las Vegas and visit their [website](#) for more information about the company and its complete set of product lines for the enterprise data center and cloud markets. Follow Penguin Computing on:

Twitter: <https://twitter.com/PenguinHPC> Facebook: <https://www.facebook.com/penguincomputing> LinkedIn: <https://www.linkedin.com/company/penguin-computing>