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Adaptec® Smart Storage Offering is First to Include Open Source Toolkit for Managing Data Center Storage

Availability of open source tools for market-leading OpenStack cloud management software simplifies configuration, deployment and management of storage resources

CHANDLER, Ariz., Oct. 10, 2019 /PRNewswire/ -- Public and private cloud infrastructure suppliers are turning to open source tools to simplify the configuration, deployment and management of their server storage platforms. Until now, companies were faced with the challenge of creating their own tools to manage their storage adapters and embedded solutions for these platforms. Microchip Technology Inc. (Nasdaq: MCHP) is the first to address this need by offering production-ready open source tools for managing its [Adaptec® Smart Storage](#) HBA, SmartHBA and SmartRAID offerings in OpenStack data centers.



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By investing in and offering readily deployable open source tools and plug-ins, Microchip removes complexity for customers that are connecting storage resources to its Adaptec lineup of storage controller solutions in heterogeneous data centers powered by OpenStack. The prequalified and tested Adaptec Smart Storage tools are scalable and customizable, simplifying management of large networks of cloud servers within enterprise-class infrastructures.

The Adaptec Smart Storage OpenStack tools include three components: 1) a plug-in for Metal as a Service (MaaS), a bare-metal deployment tool from cloud industry leader and Ubuntu creator Canonical Ltd.; 2) a scripted service formula, or "charm", created with Canonical's Juju modelling tool that allows users to remotely deploy Adaptec ARCCONF in

any type of cloud environment so the adapters and attached devices can be configured and managed remotely using the Juju dashboard; and 3) a plug-in for the OpenStack Horizon Graphical User Interface (GUI) that allows users to discover, configure and conveniently manage both Adaptec Smart Storage standard adapters and custom embedded solutions.

"Microchip is excited to deliver new open source tools that ease the integration of our Adaptec Smart Storage solutions used in OpenStack software-defined infrastructure," said Andrew Dieckmann, associate vice president of marketing in the Data Center Solutions (DCS) business unit at Microchip Technology. "This unique offering will improve our customers' ability to rapidly and efficiently deploy new storage assets within OpenStack's market-leading open source cloud server management framework."

"The \$6.1 billion market for OpenStack continues to post double-digit growth rates globally, across public and private clouds in nearly every conceivable use case, including containers, VMs and bare metal," said Danny Carreno, senior manager of ecosystem development and operations at the OpenStack Foundation. "The open infrastructure community driving this growth is itself growing, with companies like Microchip integrating projects like the OpenStack Horizon Dashboard to support Microchip's Adaptec lineup of storage controller solutions. Their investment in the open infrastructure community can make it easier for operators to rapidly configure, deploy and manage storage resources in data centers powered by OpenStack."

Adaptec storage adapters have been trusted solutions for 30 years. Microchip's newest Smart Storage lineup of products includes a comprehensive family of Adaptec SAS/SATA adapters and IC solutions providing enterprise-grade reliability, high performance, feature-rich management and compelling total-cost of ownership.

Product Availability

The Adaptec Smart Storage open source tools and documentation including a manual and specification details are available at www.adaptec.com/support. Technical support is also available, unless the tool code is changed by the customer.

Resources

High-res images available through Flickr or editorial contact (feel free to publish):

- Application image: <https://www.flickr.com/photos/microchiptechnology/48862060462>
- Product images: <https://www.microsemi.com/product-directory/product-resources/4056-mrl>

Video available through YouTube or editorial contact (feel free to post):


- Tool information: https://www.youtube.com/watch?time_continue=2&v=2eelRmSv2q8

About Microchip Technology

Microchip Technology Inc. is a leading provider of microcontroller, analog, FPGA, connectivity and power management semiconductors. Its easy-to-use development tools and comprehensive product portfolio enable customers to create optimal designs which reduce risk while lowering total system cost and time to market. The company's solutions serve more than 130,000 customers across the industrial, automotive, consumer, aerospace and defense, communications and computing markets. Headquartered in Chandler, Arizona,

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