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Equinix Leverages OCP Technology from Facebook to Develop Open Source Ecosystem Inside Equinix Data Centers

Building upon Open Compute Project contributions, open source-based ecosystem will enable enterprises to create next-generation IoT and hybrid cloud platforms

REDWOOD CITY, Calif., March 9, 2016 /PRNewswire/ -- Equinix, Inc., the global interconnection and data center company, today announced that it has incorporated technology designed by Facebook and available from the Open Compute Project (OCP) to help develop an open source ecosystem inside Equinix International Business Exchange™ (IBX®) data centers. As part of this announcement Equinix and Facebook will collaborate on technology innovation to build a diverse, open source platform for both software and hardware. Building on contributions to OCP, this ecosystem will be built on a new, open source architecture that will enable faster innovation, and create greater efficiency in data center and hybrid cloud deployments. To facilitate this ecosystem, Wedge open source switches, developed by Facebook and contributed to OCP, will be part of the new architecture inside Equinix. By working with Facebook to build this ecosystem, Equinix is able to provide its enterprise customers with an optimal environment to push technology boundaries and develop next-generation interconnection solutions.

Many industry trends are driving the need for the massive scaling and performance increases provided by open source hardware and software. For example, the industry is rapidly moving toward a more software-centric model, wireless capacity for 5G is currently limited, and there is an explosion of devices that require massive scaling. OCP and the resulting ecosystem forming inside Equinix will provide the scale and performance to further drive these innovations and trends through interconnection. As a result, customers will have an open source hardware and software platform to deploy their mobile, Internet of Things (IoT) and hybrid cloud deployments in a cost-effective manner.

Highlights / Key Facts

- The open source platform will provide an environment for true innovation across hardware and software, and enables access to the dense ecosystem of networks and cloud service providers inside Equinix data centers. Equinix is home to more than 1,100 network providers, as well as 500-plus cloud service providers, which gives customers a broad choice of providers in any of Equinix's 40 global markets. In total, Platform Equinix hosts more than 6,300 customers, each of them potential customers or partners in developing new solutions or new routes into untapped markets.
- This open source platform will be powered by the Mesosphere Datacenter Operating System (DCOS), which is based on the proven Apache Mesos architecture that is used in production today, at very large scale, by some of the world's biggest and most innovative companies. DCOS is an ideal fit for Open Compute equipment because it aggregates all data center resources into a single pool; automatically schedules

workloads wherever they can fit; and simplifies the process of managing complex systems such as Apache Spark, Apache Kafka and HDFS. This approach increases utilization and slashes energy bills, while also improving both development and operational efficiency. Placing DCOS in Equinix data centers will help users achieve their goals around hybrid cloud environments and IoT program applications, by enabling them to build their application infrastructure once and deploy it anywhere.
- Equinix recently joined the OCP Telco Project along with several leading network providers. Since it was founded five years ago, OCP has brought new levels of openness to data center technology, and momentum is continuing to build around open source contributions for networking, servers, storage, and Open Rack.
- The Open Compute Project has been proven to reduce costs and provide a catalyst for innovation. In fact, Facebook has saved their company billions since their work on OCP began.

Quotes

- **Ihab Tarazi, CTO, Equinix:**
  "We are thrilled to be working in close partnership with Facebook as we bring a new level of innovation and collaboration to our growing customer base. By working together, we can drive technology evolution for interconnection by defining the next-generation architecture for the network and cloud edge, thus ensuring our customers have the scale and performance they require for newly evolving platforms and applications."
- **Jason Taylor, Chairman and President of the Open Compute Project Foundation, and VP of Infrastructure, Facebook:**
  "The OCP community works best when there is strong collaboration between companies, and that's why I think the work on this open architecture for software and hardware is so important. I look forward to seeing how the use of OCP technology like Wedge open network switches helps Equinix better meet the needs of enterprises."
- **Tobi Knaup, CTO, Mesosphere:**
  "The Open Compute Project has done an amazing job bringing next-generation data center designs to enterprise users, and Mesosphere is doing the same for webscale software with our Datacenter Operating System. Through our partnership with Equinix and Facebook, we will help our users run their data centers even more efficiently, while also making it much simpler to build, deploy and scale innovative enterprise applications."
- **Andy Lawrence, Research VP, Datacenter Technologies and Eco-efficient IT, 451 Research:**
  "As ever more people and devices come online around the globe, sharing data-intensive content, it is vital that the infrastructure and platforms are in place to support the demanding performance needs of IoT. Equinix's involvement in OCP and its plans to create an open source ecosystem inside its global platform of data centers, is exactly the kind of initiative that is needed. It will place the company in a position to better respond to the needs of enterprises as they tackle the burgeoning possibilities of IoT."

Additional Resources

- An Innovation Platform: Equinix Joins the Open Compute Project [blog post]
- Equinix Uses Facebook Technology to Build an Open Source-Based Ecosystem [blog post]

About Equinix

Equinix, Inc. (Nasdaq: EQIX) connects the world's leading businesses to their customers, employees and partners inside the most interconnected data centers. In 40 markets worldwide, Equinix is where companies come together to realize new opportunities and accelerate their business, IT and cloud strategies. http://www.equinix.com/.

Forward Looking Statements

This press release contains forward-looking statements that involve risks and uncertainties. Actual results may differ materially from expectations discussed in such forward-looking statements. Factors that might cause such differences include, but are not limited to, the challenges of acquiring, operating and constructing IBX centers and developing, deploying and delivering Equinix services; unanticipated costs or difficulties relating to the integration of companies we have acquired or will acquire into Equinix; a failure to receive significant revenue from customers in recently built out or acquired data centers; failure to complete any financing arrangements contemplated from time to time; competition from existing and new competitors; the ability to generate sufficient cash flow or otherwise obtain funds to repay new or outstanding indebtedness; the loss or decline in business from our key customers; and other risks described from time to time in Equinix's filings with the Securities and Exchange Commission. In particular, see Equinix's recent quarterly and annual reports filed with the Securities and Exchange Commission, copies of which are available upon request from Equinix. Equinix does not assume any obligation to update the forward-looking information contained in this press release.

To view the original version on PR Newswire, visit:http://www.prnewswire.com/news-releases/equinix-leverages-ocp-technology-from-facebook-to-develop-open-source-ecosystem-inside-equinix-data-centers-300233315.html

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