Leading Open Source Network and Cloud Architecture Innovators Support CloudRouter Project

CloudBees, Cloudius, IIX, NGINX, and OpenDaylight back open source project to develop a secure software router for advanced networking and cloud interconnection

SANTA CLARA, Calif.—March 31, 2015— The CloudRouter® Project, created to advance the development of secure Linux-based open source routing and software-defined networking (SDN) technologies for large-scale cloud companies, data centers, enterprises, and network operators, launched today. The open source community project has support from important network and cloud architecture innovators in application delivery, direct interconnection, and network and cloud management. They include CloudBees, Cloudius Systems, IIX, NGINX, and OpenDaylight.

"With our peers in the industry, we hope to build a true open source community around the CloudRouter Project to really respond to industry demand for a secure, high-quality SDN and router distribution, something that's essentially non-existent today," said Jay Turner, CloudRouter Project Lead and Senior Director of DevOps at IIX. "As the industry moves to cloud computing, there needs to be a bridge from legacy architectures to SDN, hybrid clouds, and data center-to-data center connections. To accelerate the development of this bridge, the CloudRouter Project will initially focus on performance and security."

The CloudRouter Project incorporates the latest release of OpenDaylight to provide secure network programmability to enable SDN and create a solid foundation for network function virtualization (NFV) for networks at any size and scale. The CloudRouter Project will maintain a stable and up-to-date Linux distribution based on Fedora, including best-of-breed open source technologies. This provides DevOps for networks (NetOps) with the ability to easily deploy an integrated and hardened stack.

Key CloudRouter features include:
- capability to run on public and private cloud infrastructures at scale with a fully-automated configuration system
- container-ready, including support for Docker, Cloudius, OSv, and KVM images
- secure connectivity using standards-based IPSec VPN, SSL or L2TP
- monitoring and reporting with integrated network protocol analysis for network detail at a fine-grained level
- high availability and system redundancy with failover and synchronization
- minimal resource consumption.

A beta version of CloudRouter is immediately available for developers to download at cloudrouter.org. Industry and independent developers at all levels are invited to participate in the community.

Supporting quotes

CloudBees

"From our work with the Jenkins community, the number one open source continuous integration and delivery platform, we understand the need for workflow technology to automate IT processes to maximize efficiency," said Sacha Labourey, CEO and Founder of CloudBees, the Enterprise Jenkins Company. "We support the efforts of the CloudRouter Project to develop open source technology to make the network management workflow more efficient, something that network managers will find very helpful."

Cloudius

"Companies that rely on cloud architectures should pay attention to the efforts of the CloudRouter Project to build a high-performance router for cloud interconnections across public, private, and enterprise networks," said Dor Laor, CEO of Cloudius Systems, developers of the OSv cloud operating system. "I'm eager to see if my own OSv project can optimize CloudRouter and OpenDaylight, and plan to track the open source development progress of CloudRouter on GitHub. You should too."

Linux Foundation

"We applaud industry efforts to accelerate the development of open source networking projects and make them easier to use," said Jim Zemlin, Linux Foundation Executive Director. "There's huge interest and momentum for open source SDN and advanced Linux networking technology. It's great to see a project like CloudRouter meeting this demand."

NGINX

"NGINX works with some of the world's busiest cloud applications and they consistently demand more performance and reliability between their network and the networks of their customers," said Gus Robertson, CEO of NGINX. "We welcome efforts by the open source project CloudRouter to build technology to improve routing between networks and ultimately help businesses enjoy the benefits of improved performance to enterprise cloud applications."

OpenDaylight

"The true test of an open source project is whether people leverage the code to address a wide range of use cases," said Neela Jacques, executive director, OpenDaylight. "It's great to see projects like CloudRouter using the OpenDaylight platform in brand new ways. The more collaboration among projects, the better result for the industry as we work toward delivering an open, network-enabled cloud."

About the CloudRouter Project

The CloudRouter Project is a collaborative open source project to develop a freely available software-based router designed to securely run on physical, virtual, and cloud

environments that support SDN infrastructures. CloudRouter aims to facilitate migration to the cloud without giving up control over network routing and governance. It includes the features of traditional hardware routers, as well as support for emerging technologies such as containers and software-defined interconnection. To help bridge legacy infrastructure with the cloud, the project is focused on bringing simplicity to network interconnection, a traditionally complex process.

To learn more and to get involved, visit https://www.cloudrouter.org.

Blog: http://cloudrouter.org/cloudrouter/releases/2015/03/31/welcome-to-the-cloudrouter-project.html

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