Stratus Showcases Break-Through for Fault-Tolerant Workloads in OpenStack® Clouds

Presents Advances in Software Defined Availability to Accelerate Enterprise Adoption of OpenStack at 2014 OpenStack Summit

Maynard, Mass. and Paris, November 3, 2014 – Stratus Technologies, Inc., the leading provider of availability solutions, will showcase its technology break-through for cloud during the OpenStack Summit in Paris on November 3-7. Stratus will be giving the first ever public demonstration of an Always-On cloud using its fault-tolerant technology. The demonstration, at the Stratus booth (D7), will show how business critical workloads can now run in OpenStack clouds with some of the industry's highest levels of availability, without rewriting the application. This will enable cloud providers and enterprises to improve the reliability of cloud infrastructures and reduce the complexity of making applications cloud-ready.

Endorsed by key members of the OpenStack ecosystem, Stratus' approach to enabling enterprise grade OpenStack clouds leverages Software Defined Availability (SDA) to provide a simple way to achieve always-on availability for all apps – whether legacy, cloud native, stateful or stateless – as well as the ability to dynamically adjust availability levels. This is a significant cost and resource advantage for businesses looking to advance their cloud plans.

Improving reliability for OpenStack clouds is critical to facilitating broader enterprise adoption. To meet this challenge, Stratus has developed an industry exclusive set of Linux and KVM extensions to provide unparalleled availability services for OpenStack workloads. This includes support for fully redundant, fault-tolerant instances, as well as other more common high availability approaches from a single, simple set of cloud management tools. These extensions are facilitated by a unique set of virtual machine migration features Stratus is providing to the KVM community for the benefit of all virtualized Linux distributions. Stratus is also working with key KVM partners to ensure these enhancements become part of a future version of KVM.

"We are excited to be demoing fault-tolerant workloads in an OpenStack cloud for the first time publically," said Jason Andersen, Senior Director of Product Marketing and Management, Stratus Technologies. "With over 16,000 high availability solutions in the market today, Stratus understands the need for achieving high reliability for critical workloads and we are now showing the OpenStack community how to do this in the cloud. This is a monumental shift for many IT organizations that want the benefits of cloud environments without the risks. With our approach, we can accelerate the broader adoption of OpenStack."

Visit Stratus at Booth D7 to request a demo
The demo will illustrate how Stratus is enabling SDA from application definition and self-service orchestration, to availability driven policy and workload placement across the OpenStack infrastructure. Show attendees will see how to define a workload and make it available to a power user. They will then experience how to deploy the application in different availability service levels and how workloads recover

from failure in different scenarios. It will also include an explanation of machine instance state-pointing technology that enables nodes in OpenStack to "pair" running instances in the cloud to realize full fault tolerance for the running application.

Hear Stratus present on Building Bullet Proof OpenStack Clouds
Additionally at the Summit, Jason Andersen will be sharing his insights on how to make OpenStack Clouds mainstream during his presentation at the SUSE OpenStack Partner Theater.

Date: November 3, 2014
Time: 5:30pm
Location: SUSE OpenStack Partner Theater, SUSE Booth, C5

Supporting quotes

Gerald Pfeifer, Senior Director of Product Management, SUSE
"Enterprises are increasingly looking to move critical workloads into OpenStack," said Gerald Pfeifer, senior director of product management for SUSE. "Using Software Defined Availability, Stratus is making significant steps towards ensuring those workloads receive the level of reliability required before deploying in an OpenStack cloud. SUSE has focused on developing an enterprise OpenStack distribution, SUSE cloud, that implements key capabilities for today's IT infrastructure organizations deploying private clouds. With the Icehouse release of SUSE Cloud, SUSE implemented high availability for the OpenStack services that control the cloud. We look forward to partnering with Stratus as they address the next step, workload high availability."

Patrick Moorhead, Founder, President and Principal Analyst, Moor Insights
"With the explosion of cloud computing, OpenStack has very quickly become the de-facto standard and the basis of an open, software defined datacenter," said Patrick Moorhead, Founder and Principal Analyst for Moor Insights & Strategy. "But for all the tire-kicking and testing on OpenStack, the enterprise has been slow to adopt in part because of the concerns about availability and fault-tolerant workloads. If Stratus can lay those concerns to rest with their Linux and KVM extensions, they will claim both leadership in Software Defined Availability, as well as enable massive adoption of OpenStack in the enterprise."

John Zannos, Vice President of Cloud Alliances and Channels, Canonical
John Zannos, Vice President of Canonical Cloud Alliances and Channels, comments, "Canonical is pleased to have Stratus as Ubuntu Cloud Partner. Stratus and Canonical are both committed to improving the reliability of OpenStack. The Stratus Software Defined Availability product suite and Ubuntu OpenStack work together to improve OpenStack clouds. Together we are committed to making OpenStack fault-tolerant and enterprise ready."

Ken Pepple, Chief Technology Officer, Solinea. Inc.
 "As a long time contributor to the OpenStack project and a foundation sponsor, we welcome this latest innovation from Stratus," said Ken Pepple, Chief Technology Officer at Solinea. "By addressing the reliability of the cloud infrastructure and reducing the complexity of making applications cloud-ready, Stratus is providing customers the reliability they need to streamline their application migrations to OpenStack. We're excited about trialing the new release before the end of this year."

For more information on the 2014 OpenStack Summit speaker line-up, agenda and exhibition map, visit https://www.openstack.org/summit/openstack-paris-summit-2014/ and follow Stratus' presence at the show via Twitter at @StratusAlwaysOn.

About Stratus Technologies
Stratus Technologies is the leading provider of infrastructure based solutions that keep applications running continuously in today's always-on world. Stratus enables rapid deployment of always-on infrastructures, from enterprise servers to clouds, without any changes to applications. Stratus' flexible solutions – software, platform and services – prevent downtime before it occurs and ensure uninterrupted performance of essential business operations. To learn more, visit www.stratus.com.

Media Contact
Sally Bate
Director, Corporate & Marketing Communications
Stratus Technologies
+1 978-461-7518
sally.bate@stratus.com