For Immediate Release

Stratosphere Launches “Stratosphere SDN Platform 2.0” for Disaster Recovery and Load Balancing

TOKYO—February 4, 2015—Stratosphere Inc. (“Stratosphere”) today announced an enhanced version of its Stratosphere SDN Platform, their network virtualization platform that streamlines cloud service and data center operation. Stratosphere SDN Platform 2.0 (SSP 2.0) was launched at the end of January 2015 and offers functions suited for disaster recovery (DR) and load balancing.

SSP 2.0 offers the following additional functions:

1. Routing optimization (function to resolve the trombone effect)
2. Redirection

1. Routing optimization

One way to achieve business continuity and DR is implementing "live migration" for virtual machine (VM) availability. This is a way to offer a sustainable service to users by moving VM as they are operating from data centers in areas struck by disaster to data centers in a safer area. The following issue could occur during live migration.

Issue: Current sessions with the VM must be retained during live migration, and the IP address cannot be changed before and after migration. Therefore, a virtual L2 network must be built between data centers and migration must be done within the same segment. In cases where live migration is done between data centers, when communicating with the VM after migration traffic returns to the source network through the former default gateway in the data center the VM was migrated from, rather than the data center it has been migrated to (the trombone effect).

SSP 2.0 builds an L2 network between data centers using L2 tunneling to optimize routing and resolve this issue. This function can also be used when migrating VMs when building new data centers or reorganizing.

2. Redirection

There are cases where systems in geographically remote data centers operate in active-active mode. This is done for purposes such as load balancing between data centers or when building backup/staging environments. The following issue could occur during active-active operation.

Issue: Several VMs need to be assigned identical IP addresses, so that users do not know which VM in which data center the services they use are running on. Furthermore, communication sent to VMs that have identical IP addresses must be passed to the correct VM.

SSP 2.0 uses redirection to resolve this issue and optimize cloud service utilization and data center operation. Redirection sends data to the correct VM each time a user accesses a service.

Stratosphere will continue to expand the scope of network virtualization from clouds and data centers, to entire communication networks and corporate networks. The company also aims to provide a viable software platform of NaaS (Network as a Service) in a multitude of scenario.

■About Stratosphere

Stratosphere Inc. was established in April 2012 in a joint venture between Internet Initiative Japan Inc. and ACCESS CO., LTD. with the goal of researching and developing software stacks that could build a platform to create the next-generation cloud environment using software defined networking (SDN) technology. The company will continue to expand the domain of network virtualization by providing service operators with the Stratosphere SDN Platform and the SDN solution for enterprises, OmniSphere.

The statements within this release contain forward-looking statements about our future plans that involve risk and uncertainty. These statements may differ materially from actual future events or results. Readers are referred to the documents furnished by Internet Initiative Japan Inc. with the SEC, specifically the most recent reports on Forms 20-F and 6-K, which identify important risk factors that could cause actual results to differ from those contained in the forward-looking statements.

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