

# SUSE and Midokura Enterprise MidoNet: Enterprise Ready Private- or Public-Cloud Solution

## Introduction

Midokura Enterprise MidoNet and SUSE OpenStack Cloud deliver an enterprise-ready private- or public-cloud OpenStack solution, including the leading networking virtualization overlay. The power of SUSE and MidoNet together has been demonstrated in production deployments and securely scales to thousands of nodes, to match the growth of your business, be it enterprise, webscale, or service provider.

## OpenStack Benefits

OpenStack transforms traditional data centers to software defined-infrastructure. It enables applications to run natively in private clouds, where compute, storage, and networking resources are allocated according to each application's requirements. OpenStack delivers mission-critical services in an agile manner, while lowering both CapEx and OpEx by reducing infrastructure and administrative costs. SUSE OpenStack Cloud, three-time winner of the OpenStack Summit "Rule-the-Stack" competition, is the proven leader for easy-to-deploy, highly available, enterprise-hardened OpenStack. The combined solution with MidoNet allows organizations to balance infrastructure resource elasticity with security, control, and regulatory compliance.

## SUSE Open Stack Cloud

SUSE OpenStack Cloud eases the management of your private cloud infrastructure by providing Infrastructure-as-a-Service capabilities to rapidly deliver new business solutions and improved operational efficiency to your data center. The web-based installation framework provides fast and easy deployment and configuration for your OpenStack cloud. SUSE OpenStack Cloud is integrated with SUSE Enterprise Storage and SUSE Linux Enterprise Server 12, providing a reliable, flexible, and scalable platform for running enterprise workloads and delivering business innovation.

*"Midonet with SUSE OpenStack Cloud allowed us to develop a cloud infrastructure that is very flexible and easily handles peak internet traffic while minimizing downtime or cost fluctuations."*

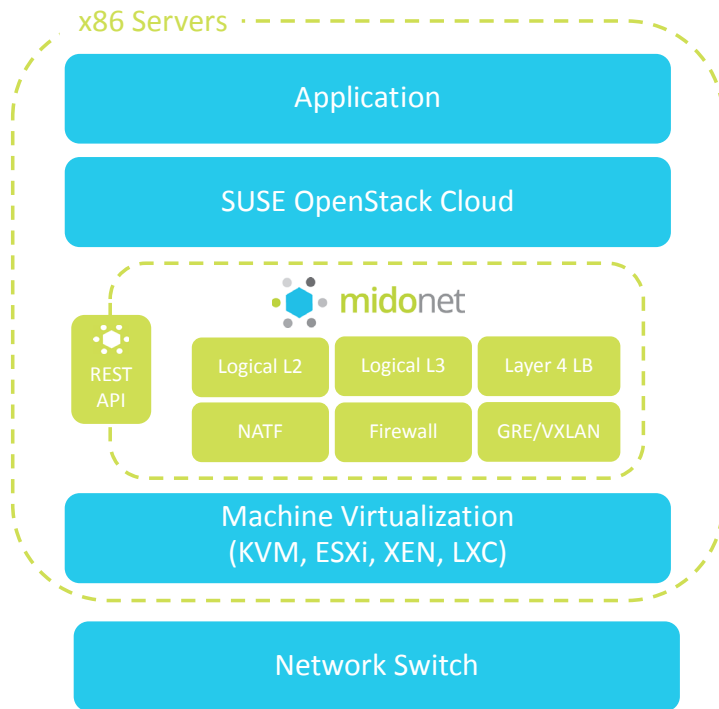
- Kohei Sudo  
CEO and President  
S2 Inc. Ltd.

## Overcoming Challenges

SUSE OpenStack Cloud makes it easy to implement a highly available, resilient and mixed-hypervisor private cloud infrastructure.

## MidoNet

MidoNet is an open-source, software-only, highly scalable, and resilient, network virtualization system. MidoNet overlays the existing network hardware infrastructure, and allows users to build isolated networks entirely in software. Its distributed architecture allows enterprises and service providers to build, run, and manage virtual networks at scale, with increased control, security, and flexibility. MidoNet provides virtualized L4 load balancing, virtual L2/L3 switching, and virtualized firewalls.



## Commercial Release

The commercial release, Midokura Enterprise MidoNet, adds a unified dashboard for virtual objects, tightly integrated with OpenStack Horizon. It also adds support for ESXi and vSphere, and automated logging and analysis tools, and includes 24x7 enterprise support.

## About SUSE

SUSE is the original provider of enterprise Linux and the most interoperable data center and cloud platform for mission-critical computing.

## About Midokura

Midokura delivers the first open, vendor-agnostic, network virtualization solution for OpenStack. MidoNet is more secure, more agile, and more stable.

## SUSE and MidoNet Together

SUSE OpenStack Cloud and Midokura Enterprise MidoNet together deliver a proven enterprise-ready solution for highly available, highly scalable and resilient private clouds. MidoNet packages have been tested and certified, and are available for the latest release of SUSE OpenStack Cloud. The combination of MidoNet and SUSE OpenStack Cloud has been deployed in multiple enterprise and service provider clouds around the world, providing functions such as L2/L3 switches, firewalls, and load balancing.

