

# Thinsy Internal Cloud Platform

## Product Datasheet

### The Challenge

Virtualization technologies installed on standard x86 servers platform have the potential to transform the traditional datacenter to a flexible and elastic compute facility.

However, Virtualization software by leading vendors is not custom tailored for use in building 'Internal Clouds'.

Thinsy Internal Cloud Platform is purpose built for building a cloud computing infrastructure. It enables

- ❖ On demand VMs for internal IT consumers
- ❖ Self service VM creation
- ❖ VM Management accounts for users
- ❖ Virtual Appliance storage
- ❖ High Availability
- ❖ Backup of running VMs

### Thinsy Internal Cloud Platform

It is a bootable software CD that is installed on bare x86 Servers.

### How it works

Thinsy Internal Cloud Platform is software that is installed on your own bare x86 server(s) (no underlying OS required). It consists of Virtual Machine software that partitions the server into a lab of multiple virtual machines, and a Management Server, the VM Orchestrator, which is used for managing the lab.

Access to the Virtual Computer is by means of any web browser.

### Key Benefits

- ❖ Convert rigid datacenter resources to an elastic infrastructure for internal IT consumers
- ❖ Peak loads from many groups of users can be supported with existing resources
- ❖ Fosters judicious use of the internal cloud and external clouds such as Amazon EC2
- ❖ Tightly control server sprawl

### Customer Profile

#### ***University of California, Berkeley EECS Instructional Support Group***

The EECS Instructional Support Group at UCB is using Thinsy Internal Cloud Infrastructure to provide lab VMs for their students. They have been able to dramatically increase the Lab Administrator productivity as a result of this.

### **Thinsy Internal Cloud Requirements Datacenter**

- ❖ One or more standard x86 server(s)
- ❖ Gigabit Ethernet interconnect for servers

### **Client**

- ❖ IE6+ or Firefox 1.5+ on Windows, Apple or Linux
- ❖ 256Kbps or faster connection to datacenter

### **About Thinsy Corporation**

Thinsy Corporation is a leading developer of Virtualization Solutions.

### **Internal Cloud Administrator Features**

1. Single web based management of one or more x86 server(s) that are part of the Internal Cloud
2. Access to Graphical Console of VMs, even if the VM network is down, or VM boot fails. This is as good as having a KVM (Keyboard-Video-Mouse) for each Virtual Machine
3. Create user accounts of multiple privilege levels, including the ability to delegate VM creation tasks to power users (Instructors)
4. Download Virtual Appliances of popular Operating Systems directly from our directory into your own Thinsy Internal Cloud, for later use in creating Virtual Machines
5. Install your own customized software suite on a Virtual Machine, and create a Virtual Appliance (VM template) that you can save. This Virtual Appliance can be used for creating student VMs
6. Backup VMs without shutting them down
7. Integrated monitoring of servers, with email notification of server hardware failure

### **Internal Cloud Power User Features**

1. Create sub accounts for students
2. Download Virtual Appliances
3. Upload CD/DVD Images (ISO Files)

### **Internal Cloud Lowest Privilege User Features**

1. Individual accounts for students, with SSL encrypted web browser access
2. GUI Console access from browser running on Windows, Apple or Linux desktops
3. Power on, power off, and start backup of own VMs