

Publicly Available IaaS Cloud Service

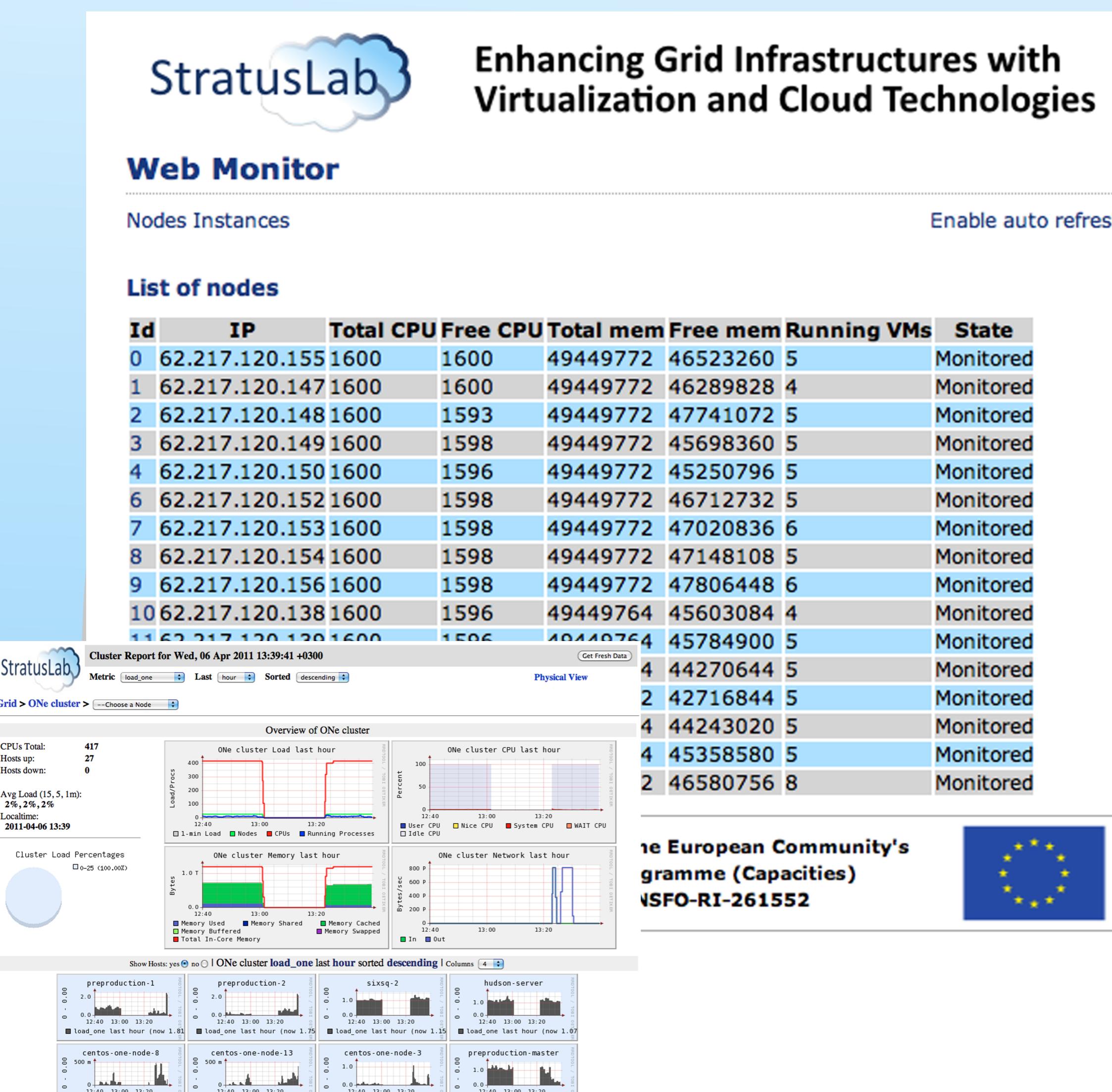
Reference Cloud service build with the latest version of StratusLab distribution. Deployed in GRNET's datacenter. Provides public access to a cloud testbed for anyone wishing to try the tools developed by the project.

Service Features

- 17 physical nodes (1 Frontend + 16 hosts)
- 256 cores
- 768 GB total memory (48 GB per node)
- 3.6 TB shared storage over NFS
- 120 public IPs available (private and local IPs to be supported soon)
- Currently running StratusLab v0.3 on CentOS 5.5.
- Uses OpenNebula 2.2 over kvm for VM management

Production grid site over cloud

- HG-07-StratusLab certified in Greek NGI
- Installed and operated on StratusLab's reference cloud service
- Offers 1 CE, 8 WNs (dual-core), 1 SE and 1 gLite-APEL node
- VM appliances pre-installed with grid middleware available from the appliance repository
- Currently working on grid site elasticity features



StratusLab

Enhancing Grid Infrastructures with Virtualization and Cloud Technologies

Web Monitor

Nodes Instances Enable auto refresh

List of nodes

ID	IP	Total CPU	Free CPU	Total mem	Free mem	Running VMs	State
0	62.217.120.155	1600	1600	49449772	46523260	5	Monitored
1	62.217.120.147	1600	1600	49449772	46289828	4	Monitored
2	62.217.120.148	1600	1593	49449772	47741072	5	Monitored
3	62.217.120.149	1600	1598	49449772	45698360	5	Monitored
4	62.217.120.150	1600	1596	49449772	45250796	5	Monitored
6	62.217.120.152	1600	1598	49449772	46712732	5	Monitored
7	62.217.120.153	1600	1598	49449772	47020836	6	Monitored
8	62.217.120.154	1600	1598	49449772	47148108	5	Monitored
9	62.217.120.156	1600	1598	49449772	47806448	6	Monitored
10	62.217.120.138	1600	1596	49449764	45603084	4	Monitored
11	62.217.120.130	1600	1596	49449764	45784900	5	Monitored
12	62.217.120.150	1600	1596	49449764	44270644	5	Monitored
13	62.217.120.132	1600	1596	49449764	42716844	5	Monitored
14	62.217.120.134	1600	1596	49449764	44243020	5	Monitored
15	62.217.120.136	1600	1596	49449764	45358580	5	Monitored
16	62.217.120.138	1600	1596	49449764	46580756	8	Monitored

Grid > ONE cluster > Choose a Node

Overview of ONE cluster

CPU's Total: 417
Hosts up: 27
Hosts down: 0
Avg Load (15,5,1m): 2%, 2%, 2%
Last update: 2011-04-06 13:39

Cluster Report for Wed, 06 Apr 2011 13:39:41 +0300

Metric: load_one Last: hour Sorted: descending

Physical View

16 European Community's gramme (Capacities) INF0-RI-261552



Monitoring

Web monitor provides overview of hosting nodes and VMs currently running in the cloud.

Ganglia used for monitoring the physical infrastructure.

How to access and use the service

- Send email to support@stratuslab.eu providing your details and purpose of usage
- Connect using username/password or your grid certificate (preferable)
- Manage your VMs using the StratusLab command line interface (stratuslab-* tools)
- Appliances and base images available from public repository operated by TCD (you can always use your own images!)

