

OpenDAI's CloudStack Environment:

Acceso:

<https://194.116.109.4/client/>

User: admin

Pwd: ps412414

Domain: spain/dev

Máquinas temporales para testing:

jbosstest:

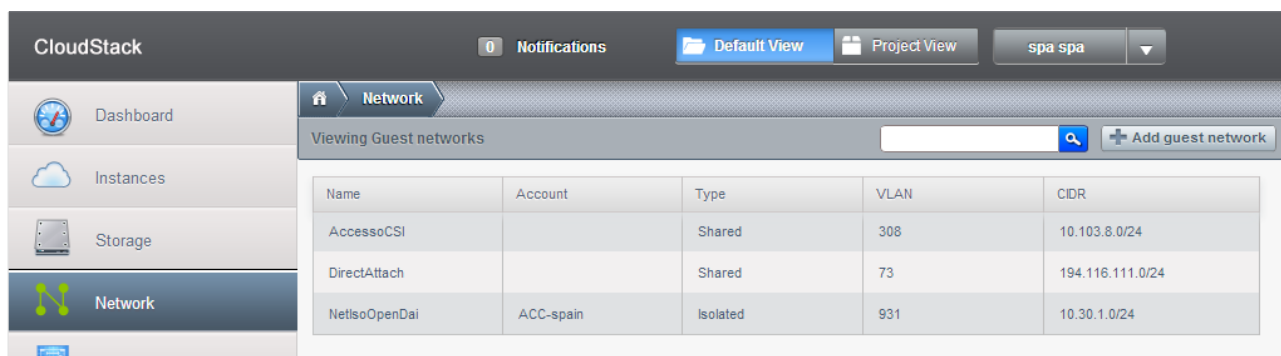
```
ssh 194.116.110.155 -p 2022  
root/1md4r00t(5.0)  
jboss/jb0ssm4st3r
```

wso2test:

```
ssh 194.116.110.155 -p 2023  
root/1md4r00t(5.0)  
wso2/ws02m4st3r
```

Quick tutorial:

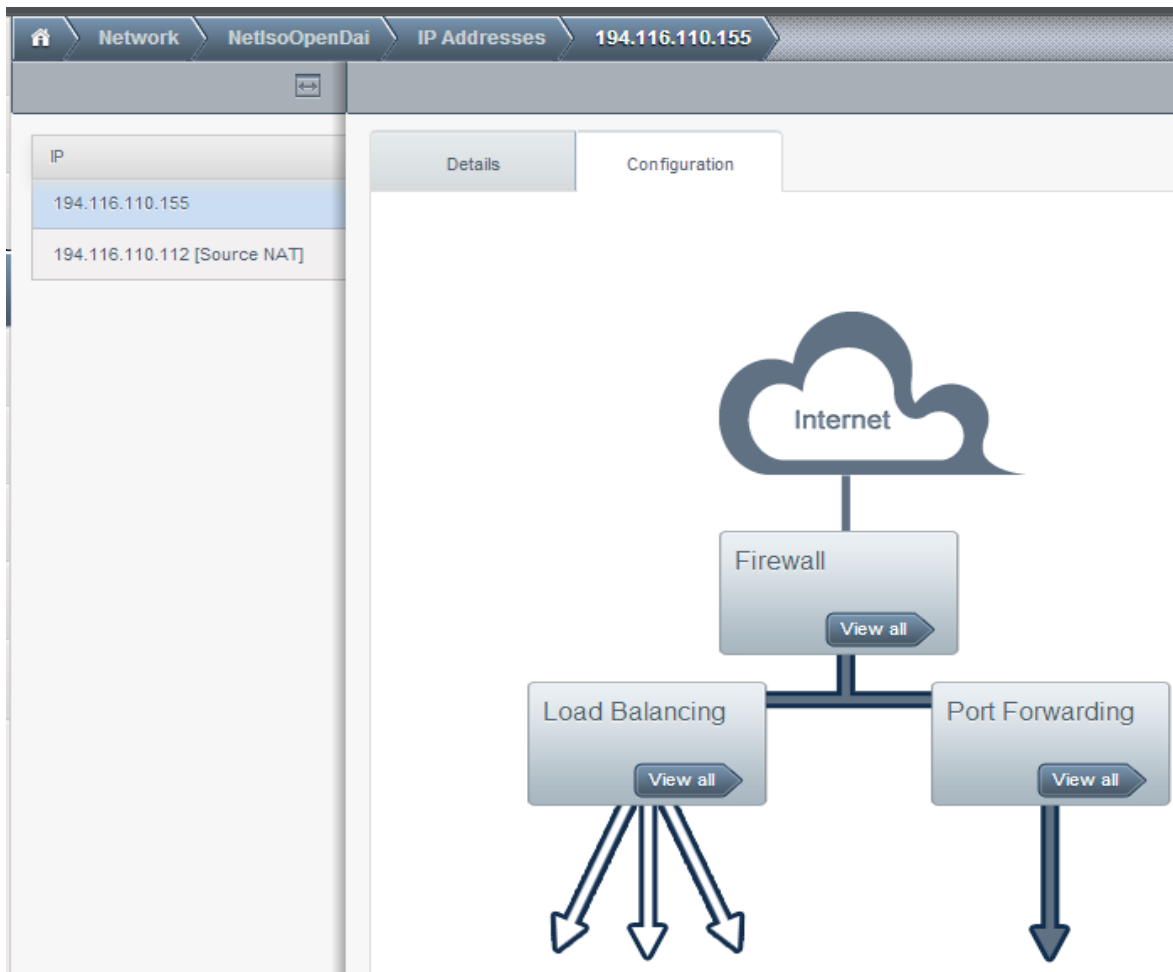
Networks:



Name	Account	Type	VLAN	CIDR
AccessoCSI		Shared	308	10.103.8.0/24
DirectAttach		Shared	73	194.116.111.0/24
NetisoOpenDai	ACC-spain	Isolated	931	10.30.1.0/24

- **DirectAttach:** Las máquinas que se creen en esta red tendrán IP pública, tendríamos que manejar la seguridad nosotros mismos. Por defecto crear las VMs en NetIsoOpenDai. Cuantas menos IPs públicas mejor.
- **NetIsoOpenDai:** View IP Addresses -> seleccionar IP -> Configuration.

Home Network NetIsoOpenDai IP Addresses			
<input type="text"/> <input type="button" value="Acquire New IP"/>			
IP	Zone	VM name	State
194.116.110.155	ZItaly		● Allocated
194.116.110.112 [Source NAT]	ZItaly		● Allocated



Configuración necesaria: Después de crear una máquina virtual abrir los puertos del firewall que se necesiten redirigir a la máquina en cuestión. Para las pruebas iniciales con JBOSS hará falta redirigir un puerto para el servidor de SSH (22, p ej) y otro para la management console de JBOSS (9990 por defecto).

Firewall

Source CIDR	Protocol	Start Port	End Port	ICMP Type	ICMP Code	Add rule	Actions
<input type="text"/>	TCP ▾	<input type="text"/>	<input type="text"/>			<button>Add</button>	
0.0.0.0/0	TCP	80	80				✕

Port Forwarding

Private Port	Public Port	Protocol	Add VM	Actions
<input type="text"/>	<input type="text"/>	TCP ▾	<button>Add VM</button>	
80	80	TCP	puppet	✕

OpenDAI Console:

Podemos acceder a la consola de OpenDAI mediante la IP de nuestra red asignada, en nuestro caso la dirección será: <http://194.116.110.155/opensai-console>. Actualmente no está terminada la aplicación. Cuando lo esté permitirá crear automáticamente las máquinas según la arquitectura de OpenDAI mediante scripts de puppet. Seleccionando el puppet-master se debería poder acceder a su dashboard, pero de momento no funciona.

The screenshot shows the OpenDAI-Console web interface. On the left, a system architecture diagram is displayed, showing components like SOA (Registry, BAM, WS..., MySQL, WSO2-BPS, API Manager), JBoss applications (JBoss-slave/Boss-master), Management (MySQL, Puppet-Master, Zabbix), and Virtual DB (ptSense, JBoss-master, JBoss-slave). The diagram also includes nginx, Apache, and Client components. On the right, a 'Node generation form' is visible, containing fields for VM Name (jboss-vdb-master), Display Name (JBoss-master), Zone (Italy), Template (odai-template-5gb), Network (NetisoOpenDai), Service Offering (Small Instance), Timezone (Madrid), Role (jboss-vdb-master), and a Result field. A 'Submit Form' button is at the bottom of the form.

Aquí podremos seleccionar la máquina que queremos crear, con su template, red, recursos, etc. El puppet master realizará la instalación de la máquina virtual.

De momento, para empezar a probar se crearán las VM desde CloudStack y se instalará el software necesario manualmente.

Password de root por defecto de las VM's: **password01**

Solución temporal para empezar a crear máquinas de prueba:

Mientras tanto, para crear una máquina con JBOSS para testing podemos hacerlo mediante la interfaz de CloudStack: Instances -> Add Instance.

Dashboard	Instances		
Instances	Filter by All		+ Add Instance
Storage			
Network			
Templates			
Display name	Zone name	State	Actions
pfs-vpn-dev	ZItaly	Stopped	
puppet	ZItaly	Running	
mgmtdb	ZItaly	Running	

Add Instance

- Setup
- Select a template
- Compute offering
- Data Disk Offering
- Network
- Review

Select a zone
A zone typically corresponds to a single datacenter. Multiple zones help make the cloud more reliable by providing physical isolation and redundancy.

ZItaly

Select ISO or template

☒ **Template** OS image that can be used to boot VMs

☐ **ISO** Disc image containing data or bootable media for OS

Cancel Next

Add Instance

- Setup
- Select a template
- Compute offering
- Data Disk Offering
- Network
- Review

Please select a template for your new virtual instance.

Featured Community My templates

- ☐ **odai-template-20g**
odai-template-20g
- ☐ **odai-template-mgmt-10g**
odai-template-mgmt-10g
- ☐ **odai-template-10g**
odai-template-10g
- ☒ **odai-template-5gb**
odai-template-5gb

Previous Cancel Next

Add Instance

1 Setup

2 Select a template

3 Compute offering

4 Data Disk Offering

5 Network

6 Review

No Thanks

Small

Small Disk, 5 GB

Medium

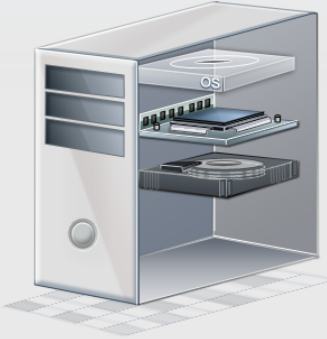
Medium Disk, 20 GB

Large

Large Disk, 100 GB

Custom

Custom Disk



Previous

Cancel

Next

Add Instance

1 Setup

2 Select a template

3 Compute offering

4 Data Disk Offering

5 Network

6 Review

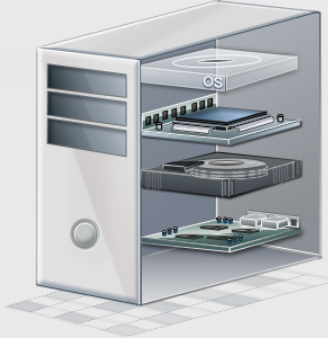
Please select networks for your virtual machine.

Networks

<input type="checkbox"/>	AccessoCSI	Shared	<input type="radio"/> Default
<input type="checkbox"/>	DirectAttach	Shared	<input type="radio"/> Default
<input checked="" type="checkbox"/>	NetisoOpenDai	Isolated	<input checked="" type="radio"/> Default

Add Network

☐ New



Previous

Cancel

Next

Add Instance

1 Setup
2 Select a template
3 Compute offering
4 Data Disk Offering
5 Network
6 Review

Please review the following information and confirm that your virtual instance is correct before launch.

Name (Optional)

Add to group (Optional)

Zone
[Edit](#)

Hypervisor
[Edit](#)

Template
[Edit](#)

Compute offering
[Edit](#)

Data Disk Offering
[Edit](#)

Network
[Edit](#)

Previous
Cancel
Launch VM

Instances		
Filter by All		
Display name	Zone name	State
jboss-test	Zlitaly	Running

Limitar al mínimo el número de puertos expuestos al exterior, no utilizar puertos estándar.

Recordatorio: Password de root por defecto de las VMs **password01**.