

# Chapter Eight

## Basic Operations

### SHUTTING DOWN THE CLOUD AND THE CLUSTER

The process should be of the reverse order in which you started the cloud components.

- First, we must terminate all the running instances

```
euca-terminate-instances <instance_id>
```

- Stop all the Eucalyptus node controllers

```
rocks run host vm-container "service eucalyptus-nc stop"
```

- Shutdown the CC

```
service eucalyptus-cc cleanstop
```

- Walrus and CC shutdown

```
service eucalyptus-cloud stop
```

- Shut Down all the nodes,

```
rocks run host vm-container "init 0"
```

- To shutdown the frontend

```
init 0
```

### Restart Eucalyptus

Describes the recommended processes to restart Eucalyptus, including terminating instances and restarting Eucalyptus components.

You must restart Eucalyptus whenever you make a physical change (e.g., switch out routers), or edit the `eucalyptus.conf` file. To restart Eucalyptus, perform the following tasks in the order presented.

## Shutdown All Instances

To terminate all instances on all NCs:

```
euca-terminate-instances <instance_id>
```

## Restart the CLC

Log in to the CLC and enter the following command:

```
service eucalyptus-cloud restart
```

## Restart the CC

Log in to the CC and enter the following command:

```
service eucalyptus-cc restart
```

## Restart a NC

From enter the following command:

```
rocks run host vm-container "service eucalyptus-nc restart"
```

```
service eucalyptus-cloud restart
```

Stopping Eucalyptus services:

CRITICAL: timed out waiting for eucalyptus-cloud process to shut down (pid=21917, ppid=21916).

CRITICAL: this is most likely a bug; to kill processes (THIS MAY CAUSE DATA LOSS) run:

```
kill -9 21917 21916
```

done.

Starting Eucalyptus services:

Eucalyptus services are already running!

