



Cloud Control Panel User Manual v1.1

March 2011



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1Introduction

This document is the user guide for the Cloud Control Panel. Each of the sections contains detailed instructions on how to perform various tasks within the application.

2Login procedure

In order to login to your Control Panel, type the account details you have received for the Cloud Control Panel.

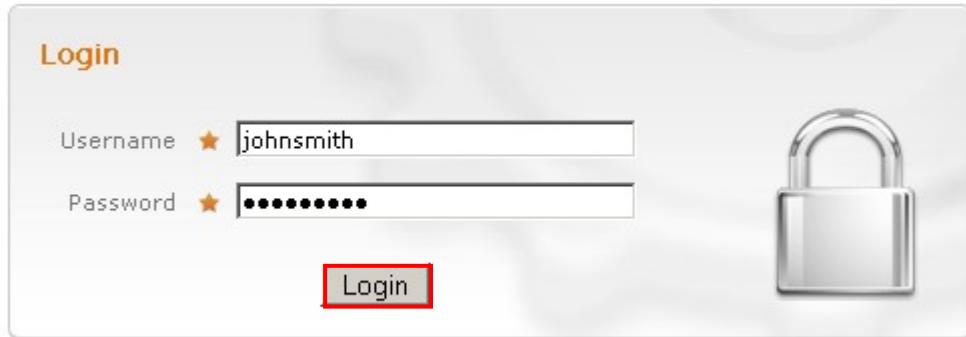


Figure 1: Logging into the Control Panel

Enter your username and password and click “Login”. The Control Panel interface will be displayed.

The screenshot shows the EUnet Cloud Control Panel (CCP) interface. At the top, there's a navigation bar with tabs for 'Dashboard', 'Job Console', 'Account', and 'Order New Cloud Server'. On the right side of the top bar, it says 'Logged in as aleksq on 22/03/2011 at 12:33' and has 'Help' and 'Log Out' buttons. Below the top bar, there's a 'Dashboard' link. The main content area is titled 'Dashboard' and contains a welcome message: 'Welcome! Here is overview of your configured Virtual Cloud Servers. Click "details" button for more info and Cloud server options'. Below this, there's a section titled 'Your Cloud Servers' featuring a card for a 'Basic Centos 32bit Cloud Server' named 'Test'. The card shows a penguin icon, a green play button indicating it's 'running', and a 'Toggle Details' button. To the right of the server name are five action buttons: 'Edit Description', 'Settings', 'Delete', 'Change Resources', 'Resize Volumes', and 'Graphs & Billing'. At the bottom of the server card are 'Stop' and 'Reboot' buttons. A note at the bottom states: '* All storage volumes on our Cloud Servers are mirrored 1:1 to a separate physical server elsewhere on the Private Cloud ensuring redundancy, high-availability and security against data loss thanks to AppLogic's automatic fail-over and recovery features.' To the right of the server card are two boxes: 'Order New Cloud Server' (with a 'Order New Cloud Server' button) and 'Help & Support' (with 'Control Panel Help' and 'Support' buttons).

CLOUD CONTROL PANEL

EUnet

Dashboard Job Console Account Order New Cloud Server

Logged in as aleksq on 22/03/2011 at 12:33

Help Log Out

Dashboard

Dashboard

Welcome! Here is overview of your configured Virtual Cloud Servers. Click "details" button for more info and Cloud server options

Your Cloud Servers

Basic Centos 32bit Cloud Server
Test

running

Toggle Details

Edit Description Change Resources
Settings Resize Volumes
Delete Graphs & Billing

Stop Reboot

* All storage volumes on our Cloud Servers are mirrored 1:1 to a separate physical server elsewhere on the Private Cloud ensuring redundancy, high-availability and security against data loss thanks to AppLogic's automatic fail-over and recovery features.

Order New Cloud Server

Start here to order new Cloud Server

Order New Cloud Server

Help & Support

Use the following links for help regarding Cloud Servers and Control panel.

Control Panel Help

Support

Figure 2: The CCP Interface

The following options and parameters are available inside the Control Panel:

- **Dashboard** – see section 3
- **Job Console** – see section 4
- **Account** – see section 5
- **Order new Cloud Server** – see section 7.1
- **Help** – the section with helpful information about the Control Panel
- **Logout** – the option for logging out of the control panel i.e. ending your session

3Using the Dashboard

The “Dashboard” is the default screen displayed after logging into the “Control Panel” and contains the most of the information and options you will frequently use.

Dashboard

Welcome! Here is overview of your configured Virtual Cloud Servers. Click "details" butt server options

Your Cloud Servers

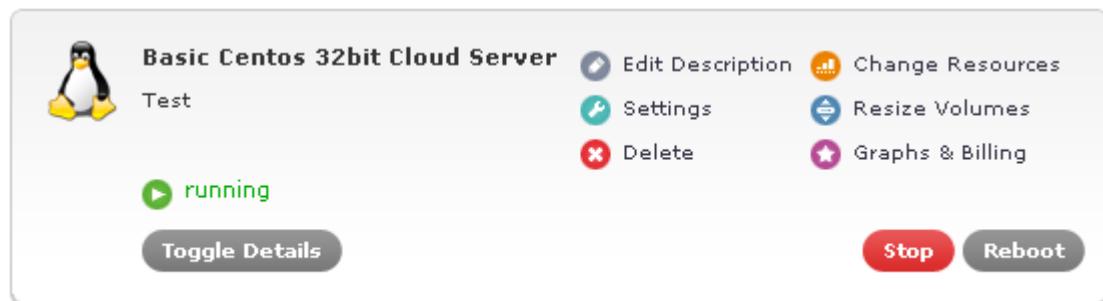


Figure 3: Using the dashboard

The dashboard displays all applications you have purchased. In the screenshot above there are two applications (virtual servers with software installed based on a chosen type of the application).

The following information and parameters are available for each of the applications:

- - this icon tells you the application (i.e. server) is running (note that you will have the option “Stop” on the right to stop the application)
- - this icon tells you the application has been stopped (note that you will have the option “Start” on the right to start the application)
- **Toggle Details** - use this button to toggle between detailed and regular view (see section 3.1)
- **Edit Description** – the option for editing the basic information about the application (see section 3.5)
- **Settings** – the option for managing the application settings (see section 3.6)
- **Delete** – the option for deleting the application (see section 3.12)
- **Change Resources** – the option for managing the resources (see section 3.9)
- **Resize Volumes** – the option for changing the volume size (see section 3.8)
- **Graphs & Billing** – the option for viewing statistics about the use of various application components (see section 3.7)
- **Stop** – the option for stopping the application (see section 3.10)
- **Reboot** – the option for restarting the application (see section 3.11)

3.1 Enabling the Detailed View

In order to enable the detailed view of your components click “Toggle Details” button.

Dashboard

Welcome! Here is overview of your configured Virtual Cloud Servers. Click "details" butt server options

Your Cloud Servers

The screenshot shows a single server entry in the list:

- Basic Centos 32bit Cloud Server** (represented by a penguin icon)
- Test** (the component name)
- running** (status indicator)
- Toggle Details** (button highlighted with a red border)
- Edit Description**, **Change Resources**, **Settings**, **Resize Volumes**, **Delete**, **Graphs & Billing** (links)
- Stop** and **Reboot** buttons

Figure 4: Enabling the detailed view (step1/2)

The components details will be displayed.

The screenshot shows the detailed view of the server component after clicking "Toggle Details". A red box highlights the detailed table:

Components	State	Mem	CPU
Server	running	256M	0.25
Total Resource Usage		256 M	0.25

Toggle Details, **Stop**, and **Reboot** buttons are also visible.

Figure 5: Enabling the detailed view

The following options and parameters are available:

- **Components** – the name of the component
- **State** – information about the status of the component as well as the option for stopping, restarting or starting the component (depending on the current state)
- **Mem** – the amount of memory used by the component
- **CPU** - the amount of CPU resources used by the component

To display fewer details, just click the “Toggle Details” once again.

3.2 Stopping the component

In order to stop the component, click **Toggle Details** to access the options for the component. Next, click this option and the menu where you can choose the “Stop” option will be opened.

The screenshot shows the 'Job Console' interface. At the top, there's a penguin icon and the text 'Basic Centos 32bit Cloud Server'. Below that is a section labeled 'Test' with a green play button icon and the word 'running'. Underneath is a table with columns 'Components', 'State', and 'Mem'. One row in the table is selected, showing 'Server' in the 'Components' column, a green play button icon in the 'State' column, and '256M' in the 'Mem' column. To the right of this row, a context menu is displayed with three options: 'Start', 'Stop', and 'Restart'. The 'Stop' option is highlighted with a red box. Below the table, a warning message in orange text reads: 'Caution: Stopping or restarting a component may result in disruption of availability.' At the bottom left is a 'Toggle Details' button.

Figure 6: Stopping the component (step 1/3)

Click for the desired component and the following dialog will be displayed.



Figure 7: Stopping the component (step 2/3)

Click “OK” and the “Job Console” page will be displayed.

Job Console

Here is the list of your executed jobs.

The screenshot shows the 'Job Console' interface again. At the top, there are date and time selection dropdowns for 'From' (set to 21 March 2011) and 'To' (set to 22 March 2011). Below this is a section titled 'Job List'. A table displays information about executed jobs. The columns are 'Executed on', 'Status', and 'Submitted on'. One row in the table is highlighted with a red box around the 'Status' cell, which contains the text 'IN-PROGRESS'. The 'Submitted on' cell for this row shows the date and time '22-3-2011 13:49:53'. The 'Executed on' cell contains a small circular icon with a green play button symbol.

Figure 8: Stopping the component (step 3/3)

You will be able to monitor the progress of stopping the component by looking at the status column. The status will change from NEW to IN-PROGRESS and then to OK which denotes that the action of stopping the component was success.

Note: See section 4 for further information about the Job Console.

3.3 Starting the component

In order to start the component, click **Toggle Details** to access the options for the component.

The screenshot shows a web-based management interface for a cloud server. At the top, there's a penguin icon and the text "Basic Centos 32bit Cloud Server". Below that is a "Test" button. Underneath is a status indicator showing a green play button and the word "running". The main area is a table with three columns: "Components", "State", and "Mem". One row in the table represents a "Server" component, which is currently "stopped". To the right of this row, there's a context menu with three options: "Start" (highlighted with a red box), "Stop", and "Restart". A warning message at the bottom of the table reads: "Caution: Stopping or restarting a component may result in availability." At the bottom left is a "Toggle Details" button.

Figure 9: Starting the component (step 1/3)

Next, click this icon to open a menu where you can choose “Start” to start the component. The following dialog will be displayed.

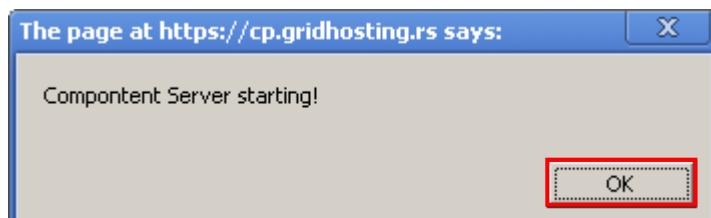


Figure 10: Starting the component (step 2/3)

Click “OK” and the “Job Console” page will be displayed.

Job Console

Here is the list of your executed jobs.

From: March To: March Status

Job List

Executed on	Status	Submitted on	Started on
Basic Centos 32bit Cloud Server	OK	22-3-2011 13:49:53	22-03-2011

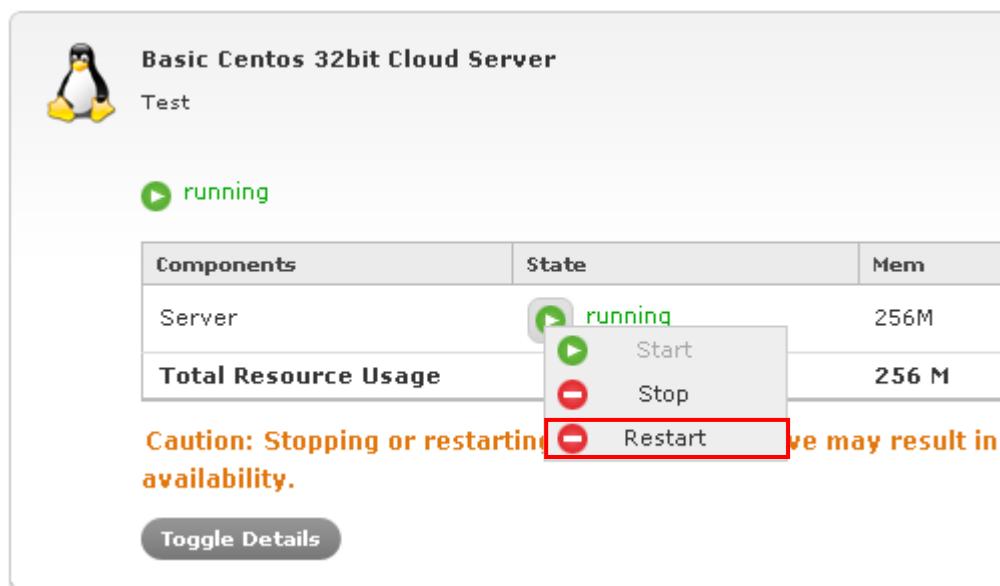
Figure 11: Starting the component (step 3/3)

You will be able to monitor starting of the component by looking at the status column. The status will change from NEW to IN-PROGRESS and then to OK which denotes that the action of starting the component was success.

Note: See section 4 for further information about the Job Console.

3.4 Restarting the component

In order to restart the component, click **Toggle Details** to access the options for the component. Next, click this icon  to open a menu where you can choose “Restart” to restart the component.



The screenshot shows a job console interface for a "Basic Centos 32bit Cloud Server". At the top, there's a penguin icon and the server name. Below it, a "Test" button. The main area displays a table with two rows: "Server" and "Total Resource Usage". The "Server" row has a green play/pause icon next to the word "running". A context menu is open over the "Server" row, showing "Start", "Stop", and "Restart" options. The "Restart" option is highlighted with a red border. A warning message at the bottom of the table reads: "Caution: Stopping or restarting this component may result in availability." A "Toggle Details" button is at the bottom left.

Figure 12: Restarting the component (step 1/3)

The following dialog will be displayed.

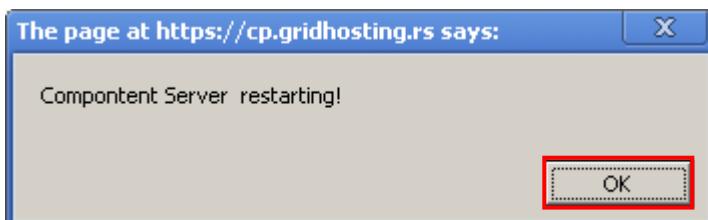


Figure 13: Restarting the component (step 2/3)

Click “OK” and the “Job Console” page will be displayed.

Job Console

Here is the list of your executed jobs.

From: 21 March 2011 To: 22 March 2011

Job List

Executed on	Status	Submitted on
Basic Centos 32bit Cloud Server	OK	22-3-2011 14:23:13
Basic Centos 32bit Cloud Server	OK	22-3-2011 14:05:03
Basic Centos 32bit Cloud Server	OK	22-3-2011 13:49:53

Figure 14: Restarting the component (step 3/3)

You will be able to monitor restarting of the component by looking at the status column. The status will change from NEW to IN-PROGRESS and then to OK which denotes that the action of restarting the component was success.

Note: See section 4 for further information about the Job Console.

3.5 Editing the Description

The “Edit Description” option is used for changing basic application information. In order to edit this information, click “Edit Description”.

Dashboard

Welcome! Here is overview of your configured Virtual Cloud Servers. Click "details" button server options

Your Cloud Servers

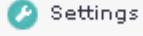
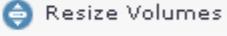
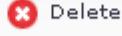
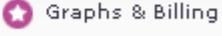
Basic Centos 32bit Cloud Server Test   
   
running   

Figure 15: Changing basic application information (step 1/2)

The following page will be displayed.

Edit Cloud server Name

Name	Basic Centos 32bit Cloud Server
Description	This is my Cloud Server

Update **Cancel**

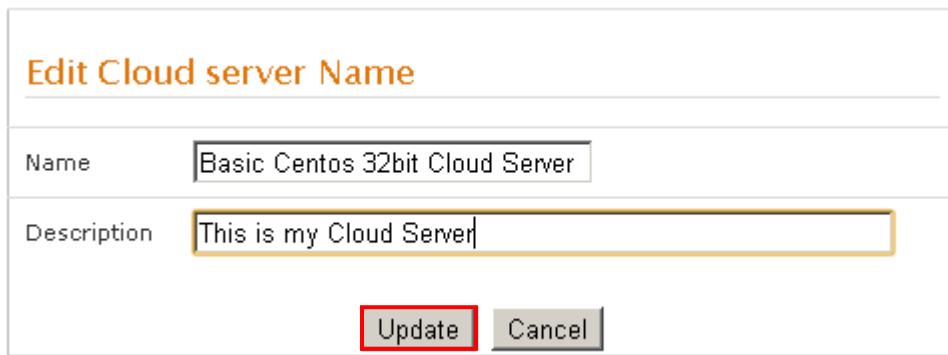


Figure 16: Changing basic application information (step 1/2)

The following parameters can be changed:

- **Name** – change the name of the application
- **Description** – change the application description

After changing the parameters, click "Update" to save the changes.

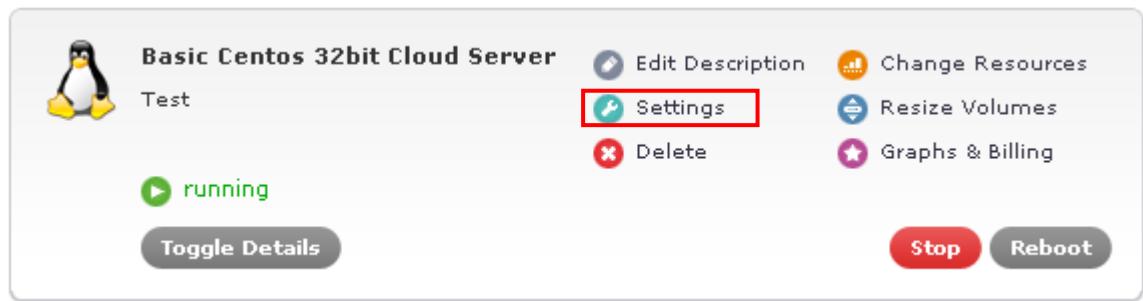
3.6 Managing the Settings

In order to start managing the important application parameters, click "Settings" in the dashboard.

Dashboard

Welcome! Here is overview of your configured Virtual Cloud Servers. Click "details" button server options

Your Cloud Servers



Basic Centos 32bit Cloud Server

Test

running

Settings

Delete

Change Resources

Resize Volumes

Graphs & Billing

Stop Reboot

Figure 17: Managing the application parameters (step 1/2)

The following page will be displayed.

Important note: the contents of the actual page will depend on the application you have chosen

Cloud server Settings

Basic Centos 32bit Cloud Server

Primary IP *

Hostname *

Primary DNS *

Secondary DNS [Reset to Default](#)

Root password *

Username * admin

Password *

Figure 18: Managing the application parameters (2/2)

The following options and parameters are available:

- Primary IP
- Hostname
- Primary DNS
- Secondary DNS
- Root password
- Username
- Password

Set the desired values for these options and click “Save Changes” to save the changes.

3.7 Graphs & Billing Statistics

In order to view statistics about the use of different components in a desired time interval click "Graphs & Billing" in the "Dashboard".

Dashboard

Welcome! Here is overview of your configured Virtual Cloud Servers. Click "details" button server options

Your Cloud Servers

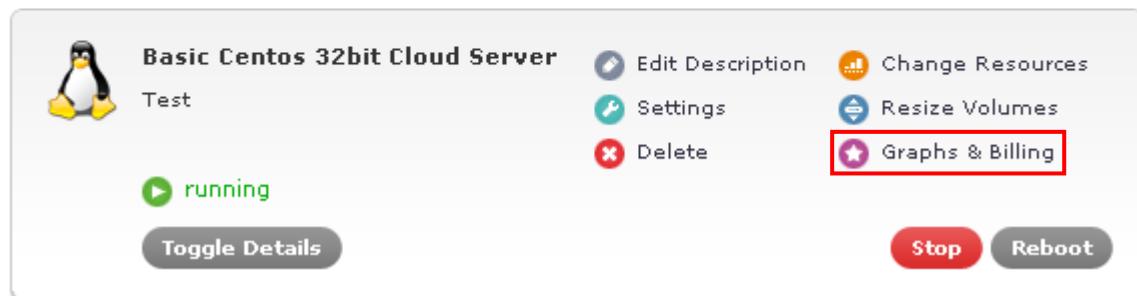


Figure 19: Viewing the statistics (step 1/2)

The following page will be displayed.

Graphics & Billing

Basic Centos 32bit Cloud Server

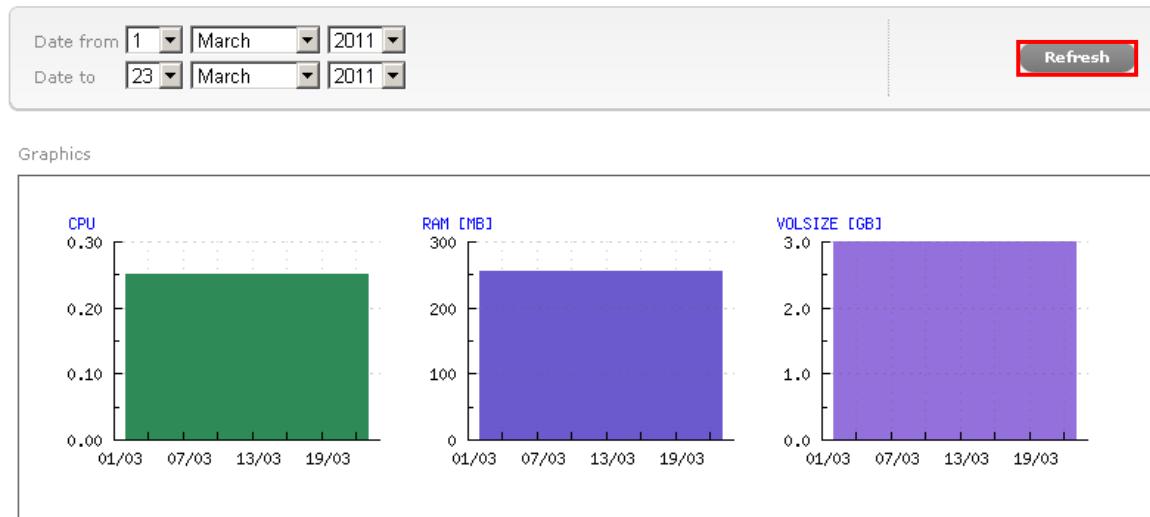


Figure 20: Viewing the statistics (step 2/2)

The following options and parameters are available:

- **Date from/to** – use these options to specify the time interval for the statistics

After specifying the time interval, click "Refresh" and the results will be displayed below. The information is available:

- **CPU** – the table displaying information on **CPU use** within the specified time interval

- **RAM** - the table displaying information on **RAM use** within the specified time interval
- **VOLSIZE** - the table displaying information on **HDD use** within the specified time interval

3.8 Resizing the Volumes

The “Resize Volumes” option is used for changing the disk partition size. In order to resize a volume, click “Resize Volumes” within the Dashboard.

Dashboard

Welcome! Here is overview of your configured Virtual Cloud Servers. Click "details" button server options

Your Cloud Servers

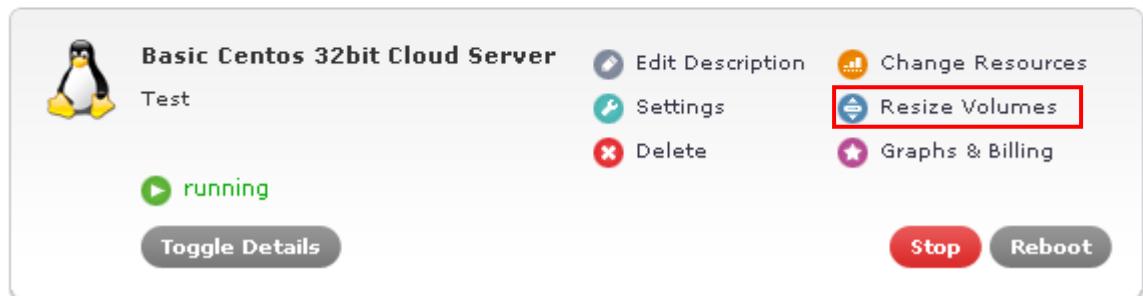


Figure 21: Resizing the volumes (step 1/2)

The following page will be displayed.

Volume details

List of Volumes of Cloud server Basic Centos 32bit Cloud Server

Volume	Component	Component State	Size	New Size	Filesystem
/dev/hda1 boot	Server	stopped	3G	<input type="text"/>	Resize

* Volume sizes should be entered as a whole number followed by either M (Megabytes) or G (Gigabytes), without spaces e.g. 25G

Figure 22: Resizing the volumes (step 2/2)

The following options and parameters are available:

- **Volume** – the information on the HDD
- **Component** – information about the component installed on the HDD
- **Size** – the column displaying information about the current volume size
- **New size** - the input field for setting the new volume size; the values are entered as number + a letter denoting the size which is either M for megabytes or G for gigabytes (e.g. if you want to set a new size to 300 megabytes you would enter “300M” into this field)
- **Resize** – once you enter the new volume size, click this button to make the change
- **Filesystem** – the column displaying information about the type of filesystem

Note:

- You can only resize volumes which are not in use by a running component

- If the volume you wish to resize does not have that option, you have to stop the component it is assigned to first
- Resizing volumes is a long operation.

After you enter the new size and click “Resize”, the “Job Console” will be displayed where you will be able to monitor the progress of the initiated resize process.

Job Console

Here is the list of your executed jobs.

From: To:

Job List

Executed on	Status	Submitted on
Basic Centos 32bit Cloud Server	 IN-PROGRESS	23-3-2011 12:12:29
Basic Centos 32bit Cloud Server	OK	22-3-2011 14:23:13
Basic Centos 32bit Cloud Server	OK	22-3-2011 14:05:03
Basic Centos 32bit Cloud Server	OK	22-3-2011 13:49:53

Figure 23: Monitoring the resizing of the volumes

The status of the job will go from “New” to “In-Progress” to “OK”. Once the “Status” column reads; “OK” the job will be completed i.e. the partition will be resized.

Note:

- the status of the job is refreshed automatically. In other words you do not need to refresh the page in order to see the changes
- further information about the Job Console can be found in section 4

3.9 Managing the Resources

In order to change the resources for your application, choose the “Dashboard” option from the main menu and then click “Change Resources”.

Dashboard

Welcome! Here is overview of your configured Virtual Cloud Servers. Click "details" button server options

Your Cloud Servers

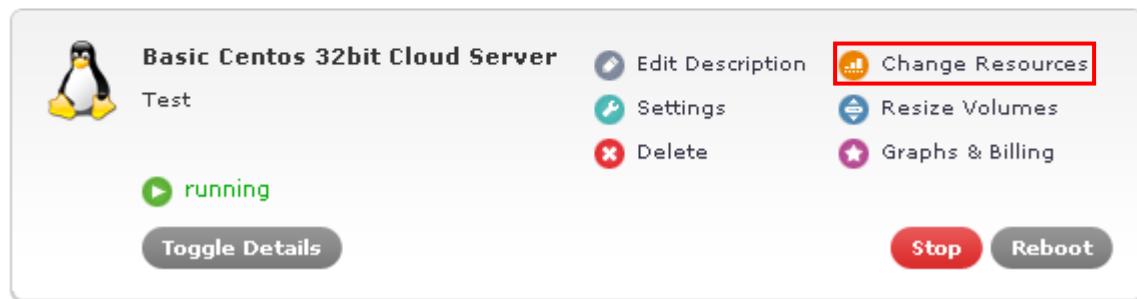


Figure 24: Managing the resources (step 1/2)

The following page will be displayed.

Change Resources

Component list in Basic Centos 32bit Cloud Server

Component Name	Resources												
Server	<table border="1"><thead><tr><th></th><th>Min</th><th>Current</th><th>Max</th></tr></thead><tbody><tr><td>Cpu</td><td>0.25</td><td>0.25</td><td>8</td></tr><tr><td>Mem</td><td>256M</td><td>256M</td><td>4G</td></tr></tbody></table> <input type="button" value="Save and Start component"/>		Min	Current	Max	Cpu	0.25	0.25	8	Mem	256M	256M	4G
	Min	Current	Max										
Cpu	0.25	0.25	8										
Mem	256M	256M	4G										

"Caution: "Save and start component" will allow you to confirm that the new resource values are sufficient. Once you have started the component, if you wish to make the resource changes permanent, you must then restart the application from the Dashboard.

"Save and Restart Application" will allow you to make your changes permanent, however, this will result in a full application restart.

Figure 25: Managing the resources (step 2/

The following options and parameters are available:

- **Component Name** – click on the component you wish to change the resources for

- **Resources** – this part of the screen contains the CPU and RAM sliders for modifying the resources; the sliders are interconnected so that when you move one the other is moved accordingly
- **Save and Start Component** – use this button to save the changes made to the resources and restart the component
- **Save & Restart Application** – after setting the desired values for a component or several components, click this button to save the changes and restart the application
- **Cancel** – click this button to cancel all changes and return to previous screen

3.10 Stopping the Application

In order to stop the application, which is required prior being able to make the changes, click the “Stop” button.

Dashboard

Welcome! Here is overview of your configured Virtual Cloud Servers. Click "details" button server options

Your Cloud Servers

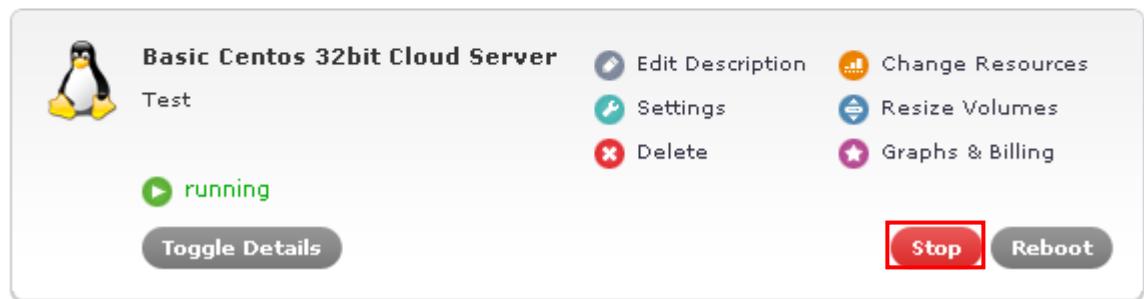


Figure 26: Stopping the application (step 1/2)

The following dialog will be displayed.

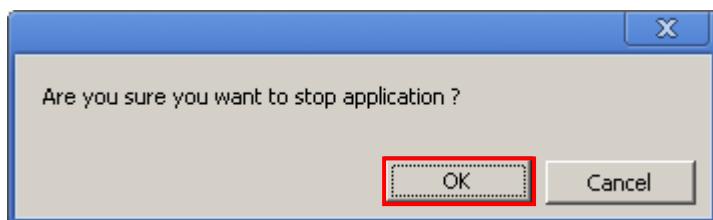


Figure 27: Stopping the application (step 2/2)

Click “OK” to confirm that you wish to stop this application. The “standby” label will be displayed.

Dashboard

Welcome! Here is overview of your configured Virtual Cloud Servers. Click "details" button for server options

Your Cloud Servers

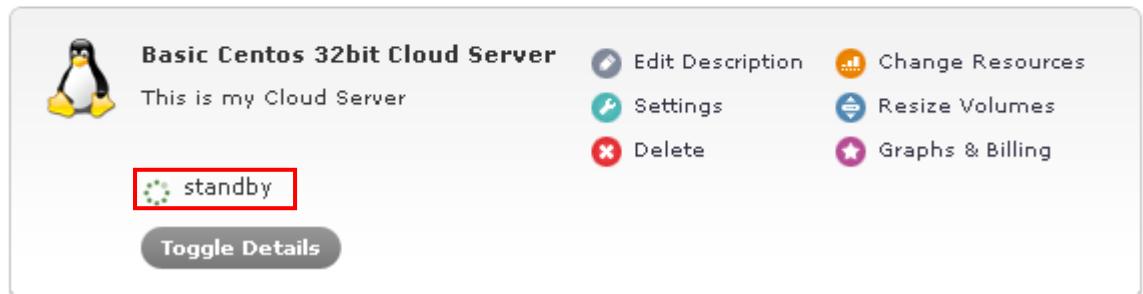


Figure 28: Stopping the application (step 1/2)

Once the application has been stopped, you will see the stopped label.

Dashboard

Welcome! Here is overview of your configured Virtual Cloud Servers. Click "details" button for server options

Your Cloud Servers

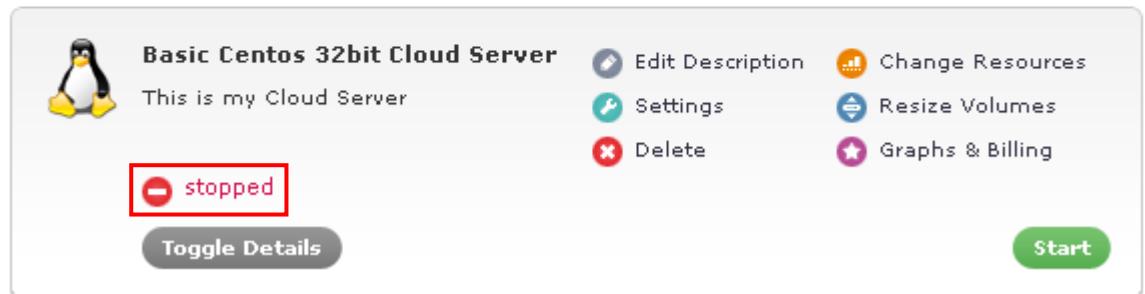


Figure 29: Stopping the application (step 2/2)

Note: this process can be monitored from the Job Console (see section 4).

3.11 Starting the Application

In order to start the application, click the “Start” button.

Dashboard

Welcome! Here is overview of your configured Virtual Cloud Servers. Click "details" button server options

Your Cloud Servers

The screenshot shows a cloud server entry for a "Basic Centos 32bit Cloud Server". The server icon is a penguin. The name is "Basic Centos 32bit Cloud Server" and the description is "This is my Cloud Server". The status is "stopped" with a red circle icon. Below the status are two buttons: "Toggle Details" and "Start". To the right of the server entry are five management icons: "Edit Description", "Change Resources", "Settings", "Resize Volumes", "Delete", and "Graphs & Billing".

Figure 30: Starting the Application (step 1/2)

The following dialog will be displayed.

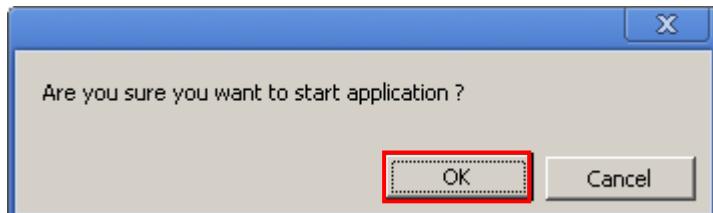


Figure 31: Starting the Application (step 2/2)

Click “OK” to confirm starting of the application and the “starting” label will be displayed above the “Toggle details” button denoting that the process has started.

Dashboard

Welcome! Here is overview of your configured Virtual Cloud Servers. Click "details" button server options

Your Cloud Servers

The screenshot shows the same cloud server entry as Figure 30, but now the status is "starting" with a green circle icon. The "Toggle Details" and "Start" buttons are visible below the server entry, along with the management icons to the right.

Figure 32: Starting the Application (step 1/2)

After a couple of moments the “running” label will be displayed denoting that the application has been successfully started.

Dashboard

Welcome! Here is overview of your configured Virtual Cloud Servers. Click “details” button to see server options

Your Cloud Servers

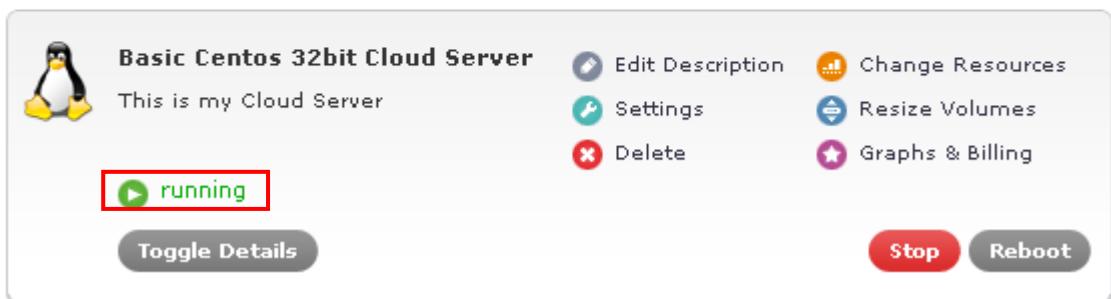


Figure 33: Starting the Application (step 2/2)

3.12 Deleting the Application

In order to delete an application, click “Delete” within the desired application inside the Dashboard.

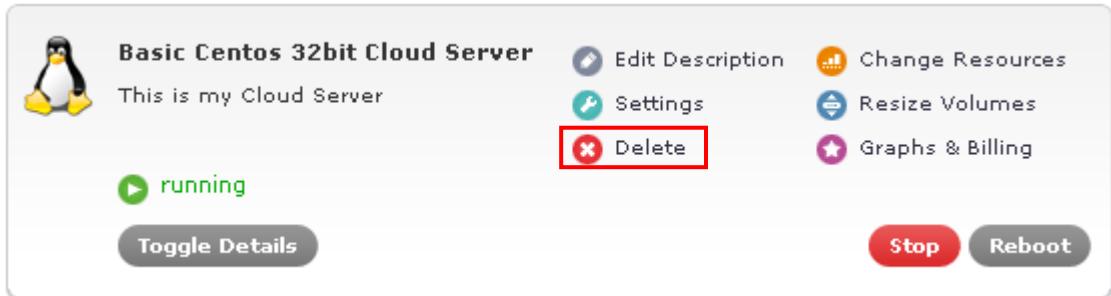


Figure 34: Deleting the application (step 1/2)

The following dialog will be displayed.

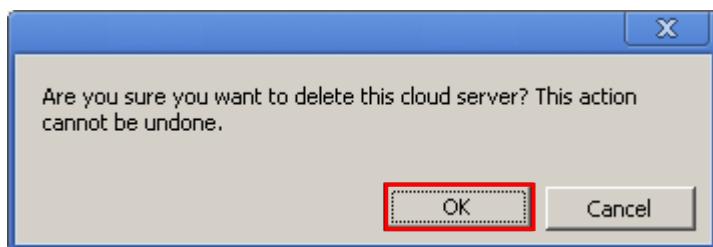


Figure 35: Deleting the application (step 2/2)

Click “OK” to confirm the deletion and the application will be deleted.

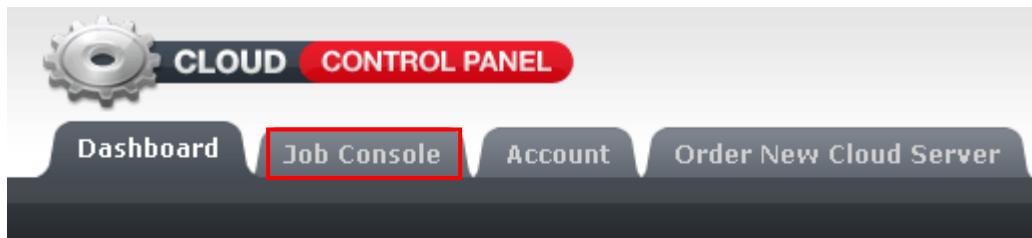
Important note: The deleted applications will not be destroyed on the grid immediately, but after some period of time. Returning the application to this control panel after it was deleted requires help of support engineers and you should use this option carefully.

4Using the Job Console

The “Job Console” is the place where you can monitor the progress of all jobs you have started i.e. commands you have issued.

Since some of the operations require certain amount of time in order to be completed i.e. are not executed instantaneously, you can use the Job Console to overview their status.

In order to start using the “Job Console”, click “Job Console” in the main navigation.



Dashboard

Welcome! Here is overview of your configured Virtual Clo server options

Your Cloud Servers

Figure 36: Managing the jobs

The following page will be displayed.

Job Console

Here is the list of your executed jobs.

From: 22 March 2011 To: 23 March 2011 Status:

Job List

Executed on	Status	Submitted on	Started on	Finished on	Job Name
Basic Centos 32bit Cloud Server	OK	23-3-2011 12:37:19	23-3-2011 12:37:23	23-3-2011 12:37:54	Start Grid Application
Basic Centos 32bit Cloud Server	FAILED	23-3-2011 12:29:20	23-3-2011 12:29:24	23-3-2011 12:29:25	Stop Grid Application
Basic Centos 32bit Cloud Server	OK	23-3-2011 12:29:10	23-3-2011 12:29:21	23-3-2011 12:29:24	Stop Grid Application
Basic Centos 32bit Cloud Server	OK	23-3-2011 12:12:29	23-3-2011 12:12:32	23-3-2011 12:13:06	Stop Component Server
Basic Centos 32bit Cloud Server	OK	22-3-2011 14:23:13	22-3-2011 14:23:17	22-3-2011 14:24:16	Restart Component Server
Basic Centos 32bit Cloud Server	OK	22-3-2011 14:05:03	22-3-2011 14:05:08	22-3-2011 14:05:38	Start Component Server
Basic Centos 32bit Cloud Server	OK	22-3-2011 13:49:53	22-3-2011 13:50:06	22-3-2011 13:50:44	Stop Component Server

Figure 37: Managing the jobs

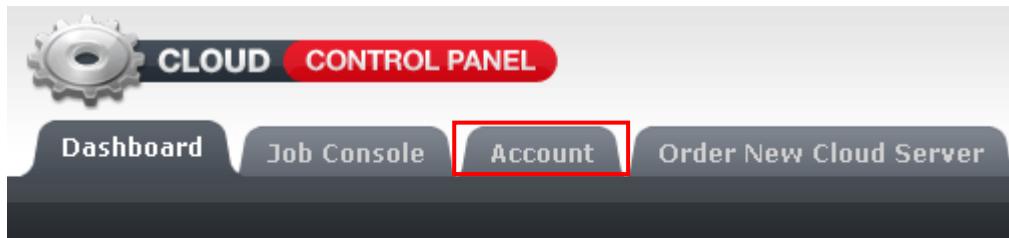
The following options and parameters are available:

- **Filtering results** – use these pull down menus to filter the jobs based on the following criteria
 - **From/To** – define the desired time interval for displaying the jobs
 - **Status** – filter jobs based on their status:
 - **NEW** – displayed right after performing an action and before the IN-PROGRESS status
 - **IN-PROGRESS** – displayed while the job is in progress
 - **OK** – displayed if the job was successfully completed
 - **FAILED** – displayed if there was a problem with the job and it could not be completed
 - **Get Jobs** – click this to begin filtering the jobs after setting the desired criteria

- **Job List** – this part of the page will list all available jobs (or jobs based on the criteria)
 - **Executed on** – the component the job is related to
 - **Status** – the status of the job
 - **Submitted At** – the time and date the job has been submitted
 - **Started At** – the time and date the job has been submitted
 - **Finished At** – the time and date the job has been submitted
 - **Job Name** – the field displaying the job description

5 Managing your account

In order to start managing your account information, click “Account” in the main navigation.



Dashboard

Welcome! Here is overview of your configured Virtual Clo server options

Figure 38: Managing your account (step 1/2)

The following page will be displayed.

Your Account

Account Information

Contact Name

Contact Email

Control Panel Password

Username

Current Password



New Password



Figure 39: Managing your account (step 2/2)

The following parameters are available:

- Account Information
- Contact Name
- Contact Email

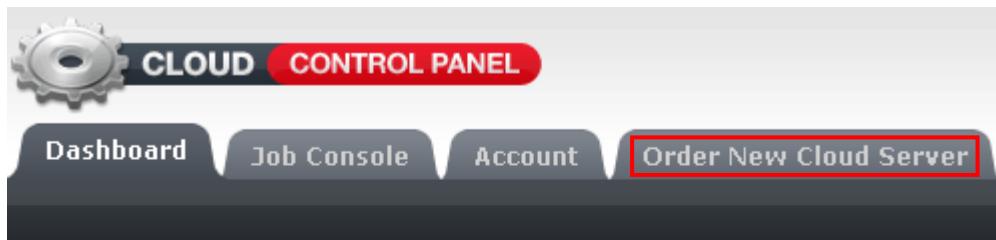
- Control Panel Password
- Username
 - Current Password
 - New Password

After setting the new password, click “Save Changes”.

6Using the Lamp application

6.1 Ordering a LAMP application

In order to order the LAMP application, first click the “Order New Cloud Server” in the main navigation.



Dashboard

Welcome! Here is overview of your configured Virtual Cloud server options

Figure 40: Ordering a new cloud server (step 1/3)

You will be taken to the eunetcloud.com site where you can complete the order by selecting desired additional options.

6.2 Configuring the LAMP application

This section will give detailed instructions for configuring the LAMP cloud server.

Cloud server Settings

Firewall LAMP cloud server test

In IP *	194.327.2.42
Out IP *	194.327.2.43
Dns1 *	<input type="text" value="194.247.192.1"/>
Dns2 *	<input type="text" value="194.247.192.33"/>
Root Password *	<input type="password" value="*****"/>
Webmaster Password *	<input type="password" value="*****"/>
Firewall username *	<input type="text" value="admin"/>
Firewall password *	<input type="password" value="*****"/>
Firewall - allowed hosts *	<input type="text" value="0.0.0.0/0"/>
Allowed hosts *	<input type="text" value="0.0.0.0/0"/>
Mail Hostname *	<input type="text" value="changeme"/>
<input type="button" value="Save Changes"/> <input type="button" value="Cancel"/>	

Figure 41: Configuring the LAMP application

6.2.1 SSH access

The following are the parameters for SSH access by:

- **component webserver**
 - **port:** 4101
 - **ip:** In ip
 - **username:** root
 - **password:** rootpassword
- **component mysql**
 - **port:** 4201
 - **ip:** In ip
 - **username:** root
 - **password:** rootpassword

6.2.2 FTP access

The following are the parameters for the FTP connection used for transferring the web files.

- **port:** 21 (default)
- **ip:** in ip
- **username:** webmaster
- **password:** webmaster_password
- **default apache docroot directory:** default_site

Note: passive mode should be used.

6.2.3 MySQL settings

You can login to MySQL via MySQL console either from webserver or mysql, by:

1. logging via SSH to the main.srv via port 4101
2. logging to MySQL server with the following parameters:

- **dbname:** db
- **username:** root
- **password:** webmaster_password

For example, once you are logged into the main.srv, you should issue the following command:

```
main.srv# mysql -h db -u root -p
```

And then put the `webmaster_password`.

Alternatively, you can login to MySQL server from the main.dbase without using the root password by issuing the following command:

```
main.dbase# mysql -h db
```

6.2.3.1 Creating the database and the user

Once logged in, you can create a new MySQL database and grant a database user:

- create database wordpress;
- grant all on wordpress.* to 'mysqluser'@'%' identified by 'mysqluser_password';

6.2.3.2 Configuring the database

After creating the user, you will need to configure your database by entering the following values:

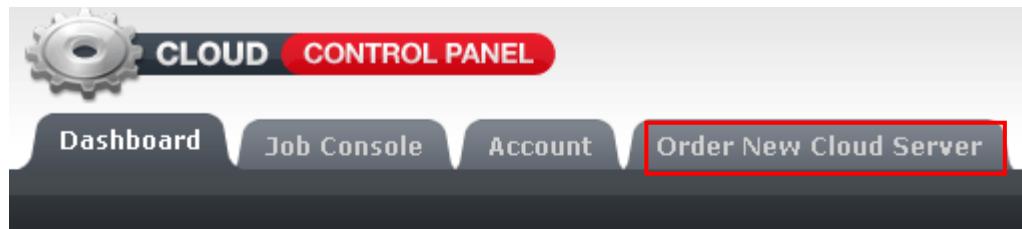
- host: db
- user: mysqluser
- password: mysqluser_password

Important note: all of these values (names, disks, etc) are subject to change in case the application design changes.

7Using the Basic Centos 64bit Server

7.1 Ordering the Basic Centos 64bit Server

In order to order the Centos 64bit Server, first click the “Order New Cloud Server” in the main navigation.



Dashboard

Welcome! Here is overview of your configured Virtual Clo server options

Your Cloud Servers & Cloud servers

Figure 42: Ordering a Basic Centos 64bit Server (step 1/3)

7.2 Configuring the Basic Centos 64bit Server

In order to start configuring the Basic Centos 64 Server, click “Dashboard” and then click “Settings” within the application options.

Dashboard

Your Cloud Servers

The screenshot shows the 'Your Cloud Servers' section of a cloud management interface. It lists two servers:

- Basic Centos 32bit Cloud Server**:
 - Description: This is my Cloud Server
 - Status: running
 - Actions: Edit Description, Change Resources, Settings (highlighted with a red box), Delete, Resize Volumes, Graphs & Billing.
- Firewall LAMP cloud server test**:
 - Description: Firewall LAMP cloud server test
 - Status: running
 - Actions: Edit Description, Change Resources, Settings, Delete, Resize Volumes, Graphs & Billing.

Figure 43: Configuring the Basic Centos 64bit Server (1/2)

The following page will be displayed.

Cloud server Settings

Basic Centos 32bit Cloud Server

Primary IP *

94.247.2.27

Hostname *

changeme

Primary DNS *

94.247.192.1

Secondary DNS

94.247.192.99 [Reset to Default](#)

Root password *

Username *

admin

Password *

[Save Changes](#) [Cancel](#)

Figure 44: Configuring the Basic Centos 64bit Server (2/2)

The most important parameter of the application settings is the **primary_ip**. You can login to this IP via SSH as a root and install all required services and applications (ftp, httpd, mysql, server, etc.).

The only thing you cannot do is modify the Linux kernel.

Note: it is recommended that you immediately put up the iptables firewall, because root sshd is allowed from out.