

OCS Virtual image

User guide

Version: 1.8

Publication date: 16/11/2015

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1. Introduction

The current guide explains how to use the virtualized OCS environment.

The main goal of the OCS virtualized version is to provide an entire OCS environment installed and preconfigure.

It gives the possibility to a user, with a minimal IT knowledge, to test the OCS application.

It's up to you to modify the defined configuration and fit it to your specific needs.

2. The OCS virtualized environment composition

The OCS virtualized environment is composing by:

- A Linux server (Ubuntu server 12.4.1 LTS – <http://www.ubuntu.com/>).
- A preconfigure open source database (MySQL – <http://dev.mysql.com/downloads/>).
- An open source java application server (Glassfish – <http://glassfish.java.net/>)
- The OCS application (Viking edition – <https://joinup.ec.europa.eu/software/ocs/release/all>).

Additionally, a SSH and SFTP connections are configure to let you access the Linux server.

3. What do you need?

In order to use the OCS Virtualized environment, you must download and install VirtualBox (<https://www.virtualbox.org/>). VirtualBox is a virtualization product running in Windows, Linux, OSX, and Solaris.

You must also download and install the OCS virtual machine (ocs-vm) from Joinup. (<https://joinup.ec.europa.eu/software/ocs/release/all>).

4. Software installation

4.1 VirtualBox installation

To install VirtualBox, run the installer you have previously downloaded. Follow the steps displayed on the installation window.



Figure 1 VirtualBox installation wizard

Don't custom the installation.

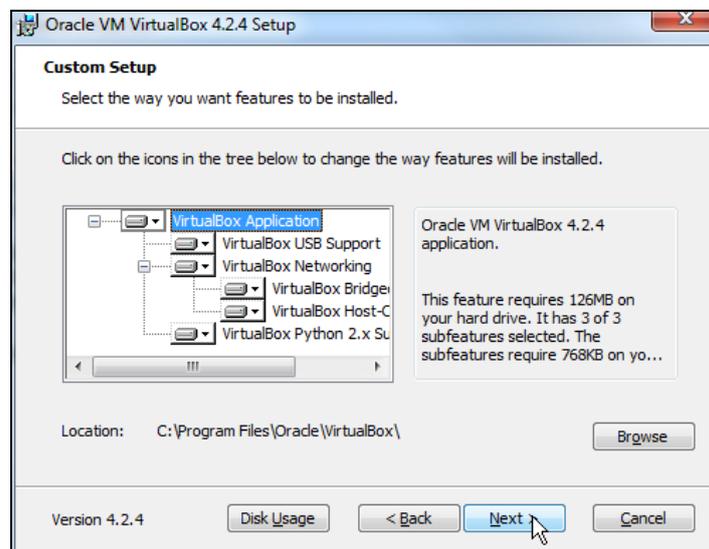


Figure 2 click on next

If you receive a warning about the network interfaces, accept it and proceed with the installation.



Figure 3 select "yes"

During the installation, you will receive notifications about the installation of additional components (USB, network service).

Accept the installation of those components.



Figure 4 install the universal serial bus



Figure 5 install the network service

At the end of the installation, check the start option and finish the installation process.



Figure 6 check the start Oracle VM VirtualBox

VirtualBox is started.

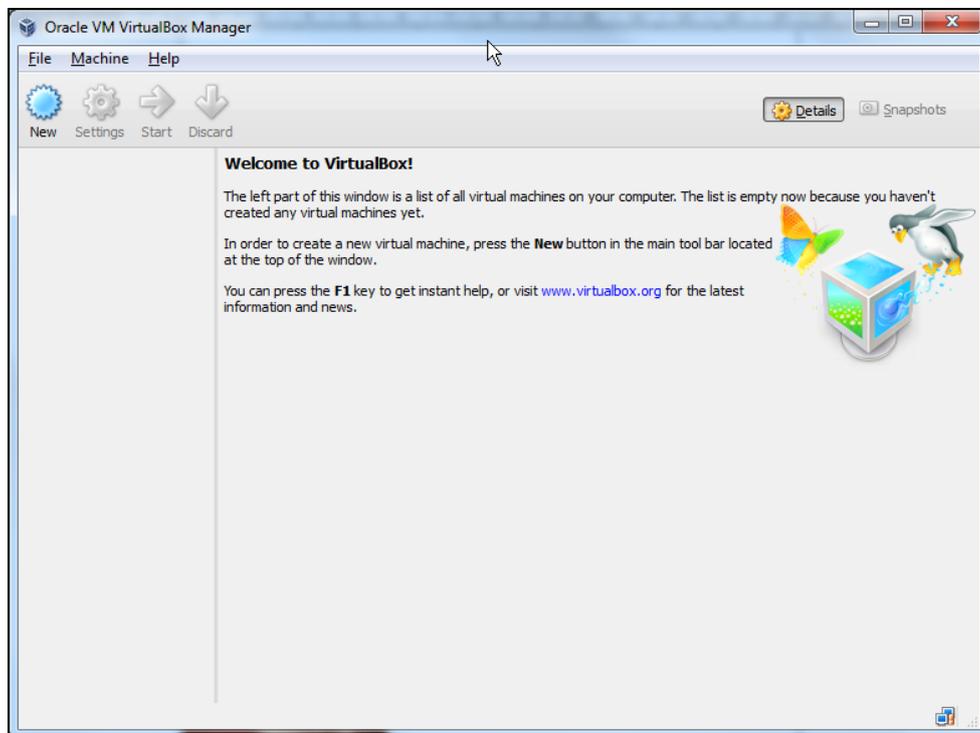


Figure 7 VirtualBox manager is started

4.2 Importing the OCS virtual image

In order to use the OCS virtualized environment, you must import the OCS virtual machine (*ocs-vm.ova* file) in the VirtualBox manager.

Start the VirtualBox manager (see figure 7).

In the file menu, select "import Appliance".

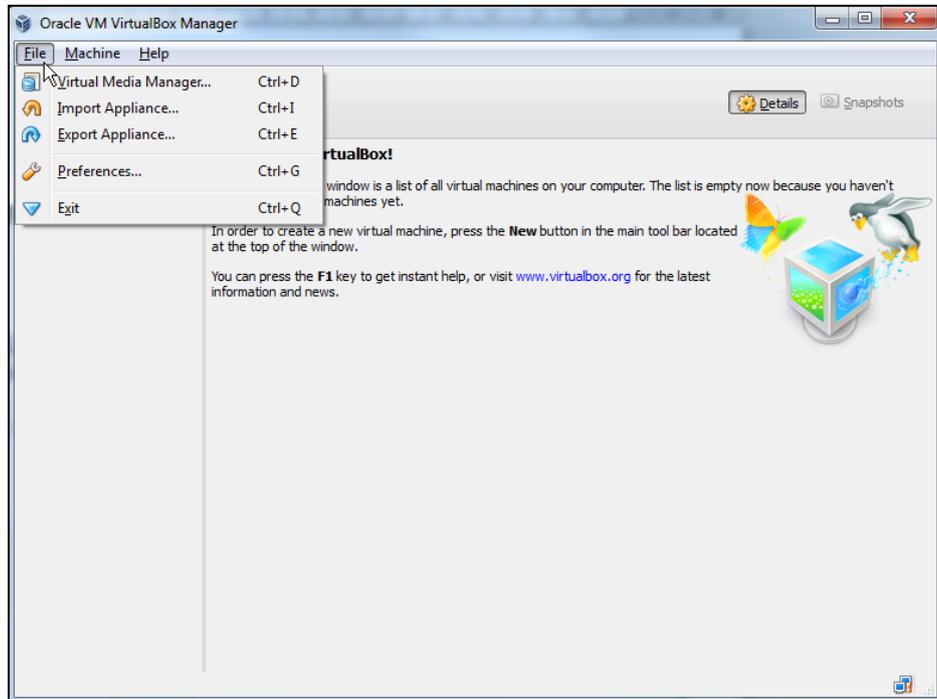


Figure 8 go to the file menu to import appliance

In the import appliance window, select "Open Appliance".

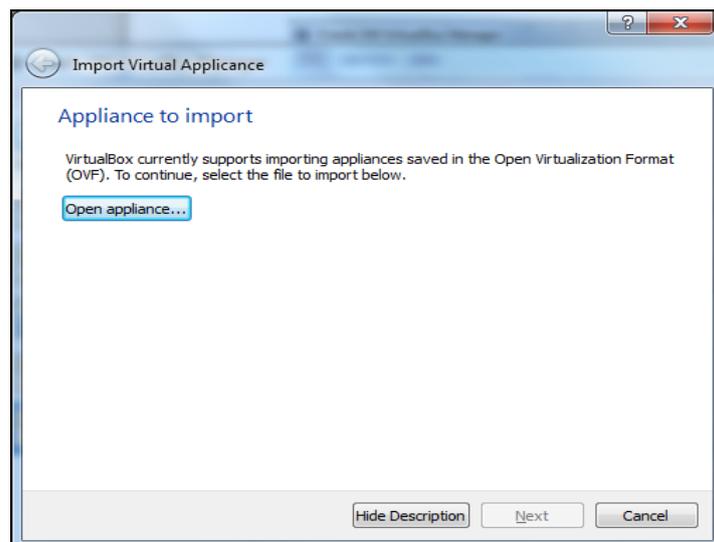


Figure 9 open appliance

Select the *ocs-vm.ova* file and open it.

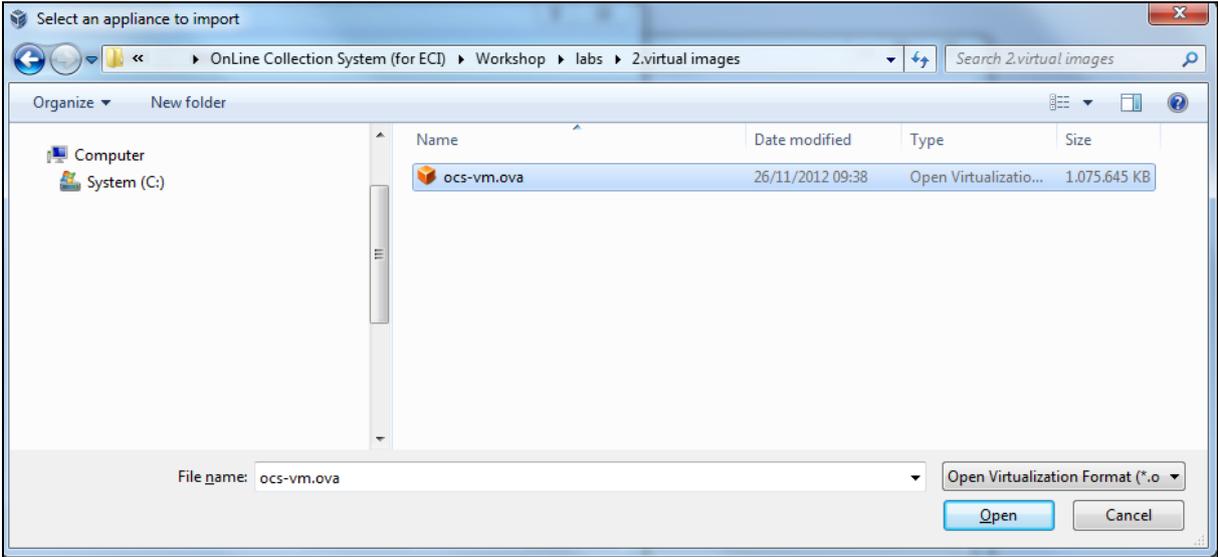


Figure 10 open the *ocs-vm.ova* appliance

Click on next to see the appliance settings.

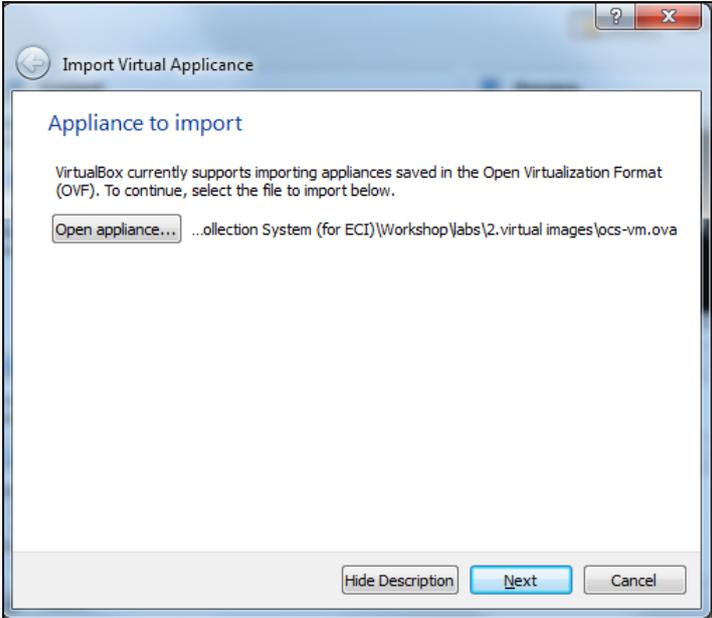


Figure 11 continue the import process

Select import to launch the import process. Don't modify any settings parameters.

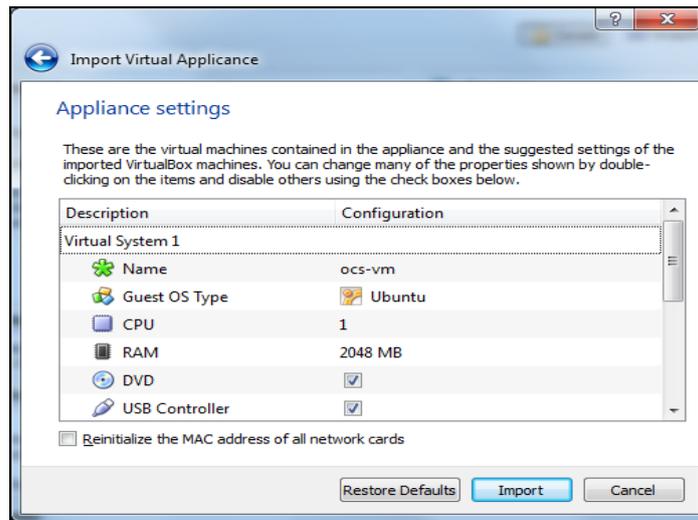


Figure 12 accept the default settings and import

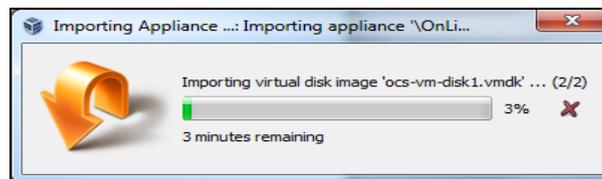


Figure 13 import process

After a few minutes (depending of your computer), the OCS virtual machine will be imported in the VirtualBox manager.

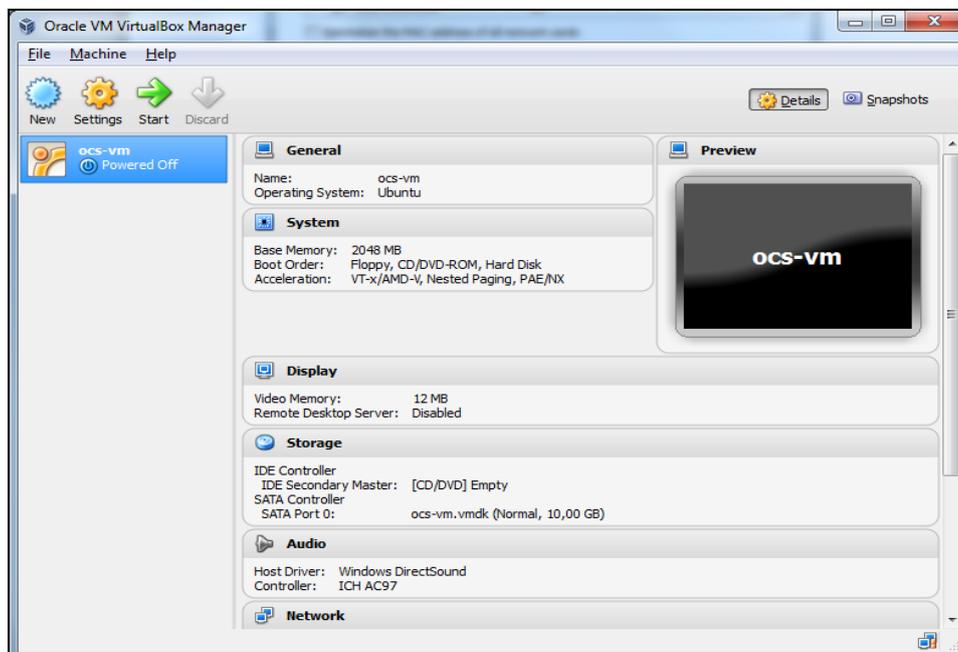


Figure 14 OCS vm imported

5. OCS configuration

5.1 Running the OCS virtual machine

To run the OCS virtual machine, select it in the left list (see figure 14)



Figure 15 powered off

and push the start button.



Figure 16 the start button from the top bar

Or, you can also double click on the ocs-vm entry in the list.

A new window appears with your running virtual image.

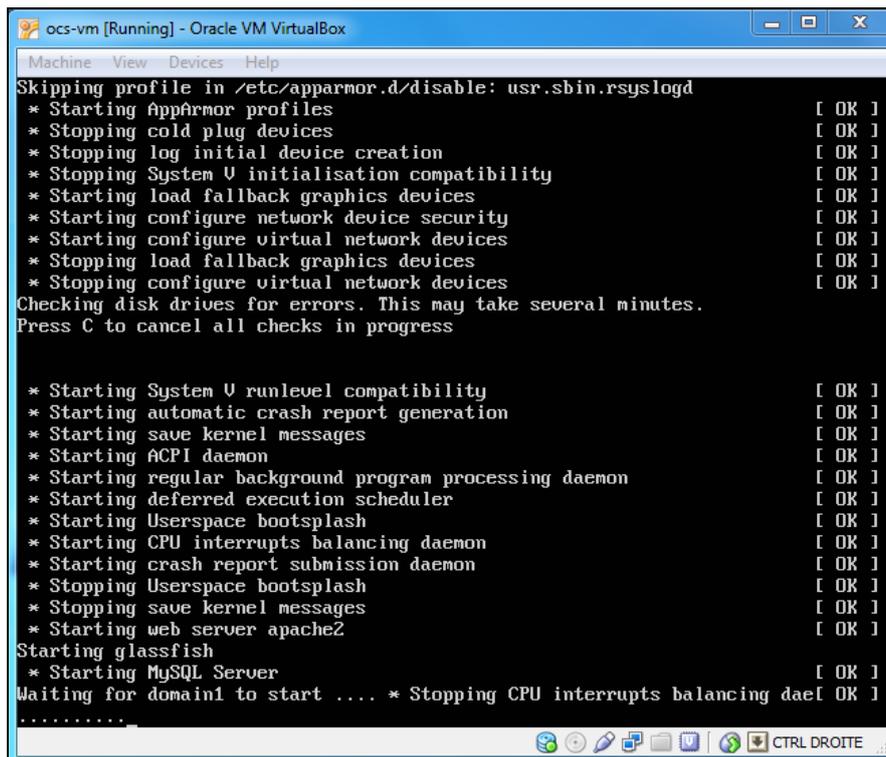


Figure 17 wait until all the services are started

Wait a minute until you see the VirtualBox console.

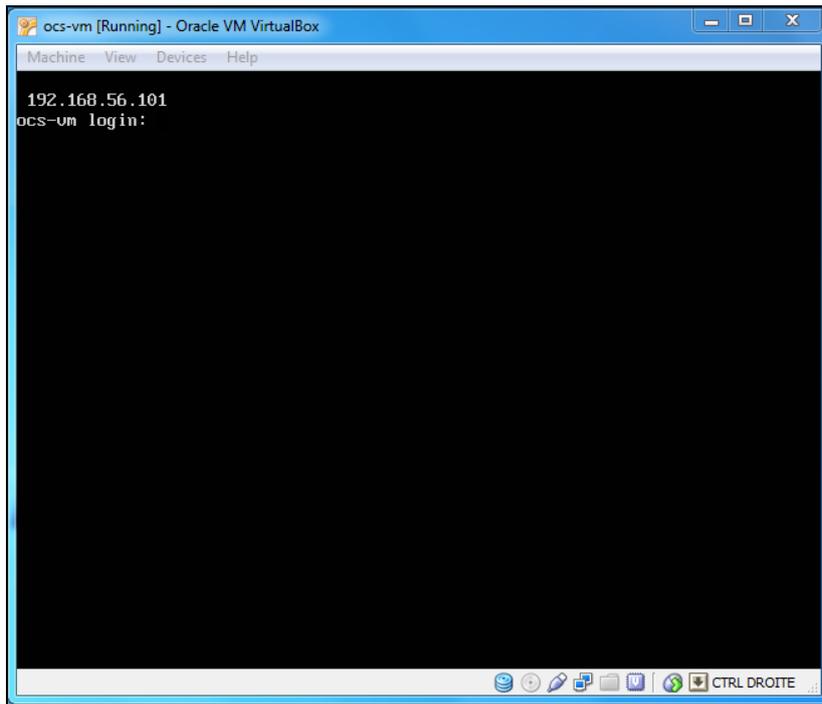


Figure 18 your virtual image is ready to use

5.2 Stopping the OCS virtual machine

To stop the OCS virtual image, click the cross on the top right corner and power off the machine.

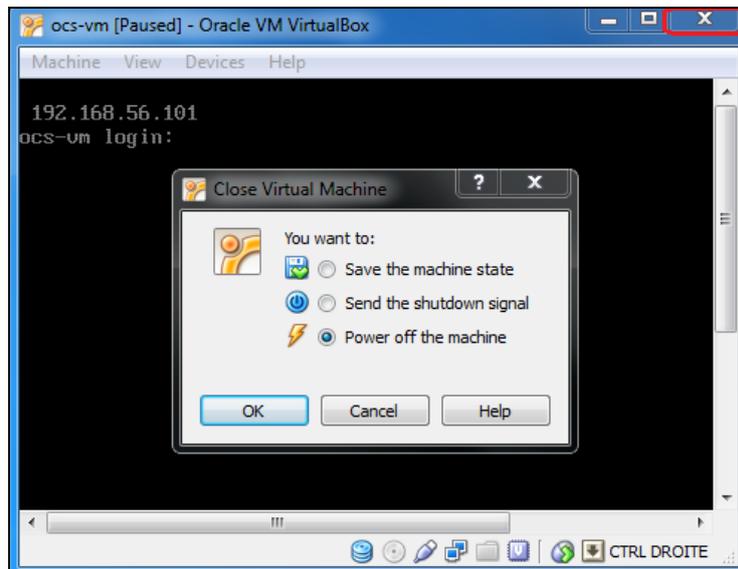


Figure 19 power off the machine

5.3 Initializing the OCS environment

At this point, the OCS virtualized environment is running.
The OCS web application is also started.
Your OCS environment is already initialized and ready to use.

5.3.1 Default password

The users and passwords use to initialise the environment are:

Linux server

User: ocs

Password: ocs

Initiative administration side

User: admin

Password: Qwerty123!

5.3.2 Test your application

Now, you can test the application.

Open a browser and go to the public site: <http://YourVirtualMachineIP:8080/oct-web-public>
(i.e.: <http://192.168.56.101:8080/oct-web-public/>)

Or, open a browser and go the administration site: <http://YourVirtualMachineIP:8080/oct-web-admin>

(i.e.: <http://192.168.56.101:8080/oct-web-admin/>)

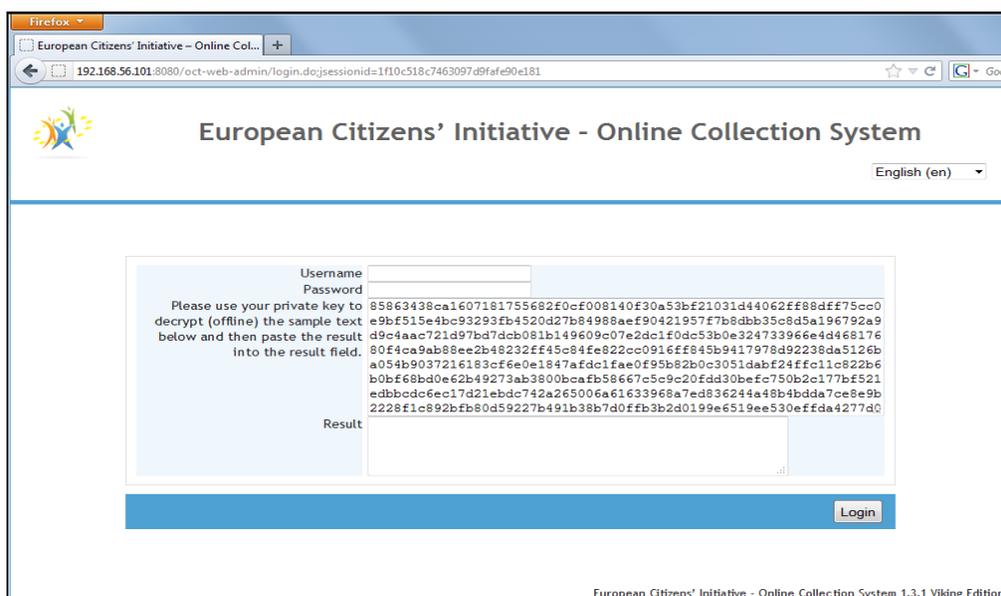


Figure 20 administration site

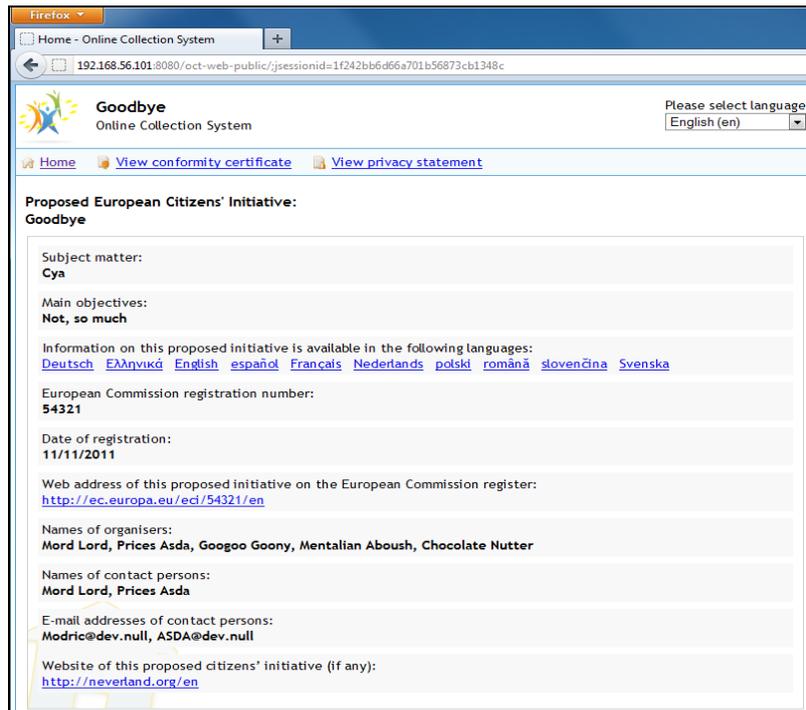


Figure 21 public site

5.4 Glassfish notes

5.4.1 Administrator account

The OCS application is deployed under Glassfish.

To access the Glassfish administration console, open a browser and go to:

<https://YourVirtualMachineIP:4848/>

(i.e.: <https://192.168.56.101:4848/>)



Figure 22 Glassfish administration console login

By default, an administrative account is defined:

- user name: admin
- password: admin

For security reason, you should change the administrator password.

5.4.2 Change the administrator account

Before changing your administrator password, you must be log in the administration console. Enter the default credentials (admin/admin) and select login.

When you are logged in, you have access to your server and domain configuration.

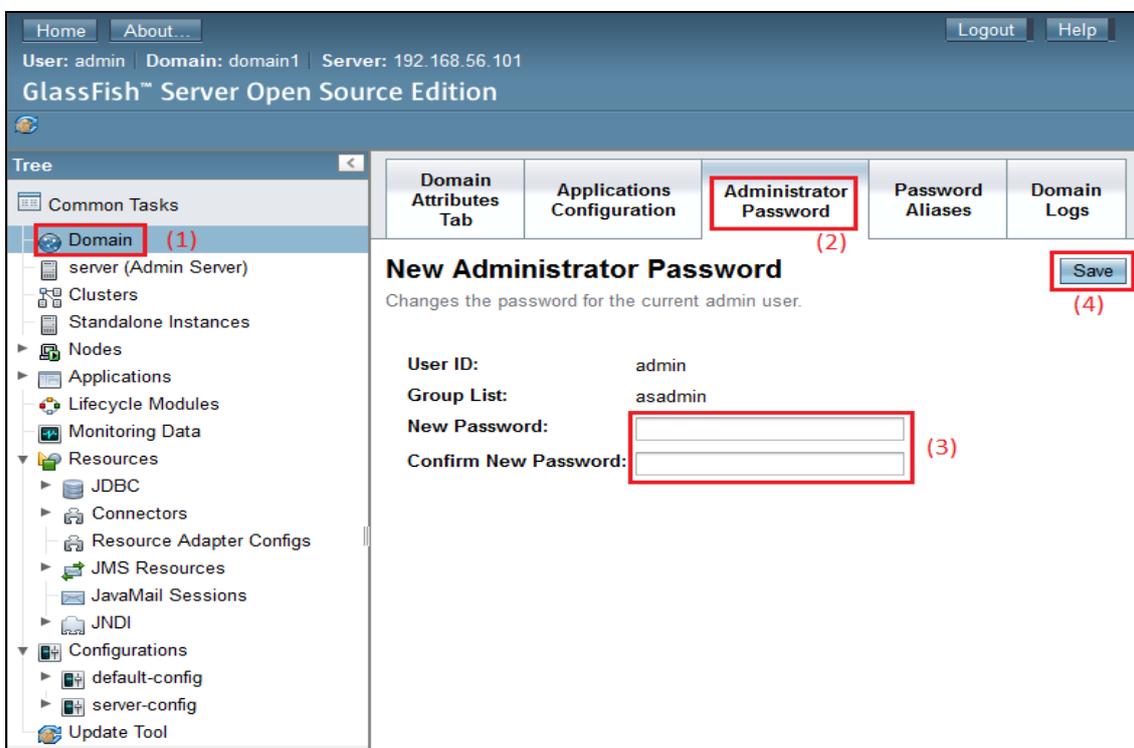


Figure 23 define a new administrator password

The steps to change the administrator password are:

- in the tree on the left, select "domain" (1)
- select the right tab "administrator password" (2)
- enter a new password and confirm it (3)
- save your modifications (4)

6. Accessing your files

The OCS virtualized environment give the possibility to access the files generated by the OCS application (i.e. exported encrypted signature).

To access those files, you will install an sftp client or an ftp client able to use the sftp protocol. A good choice is Filezilla (<http://filezilla-project.org/>).

Inside your sftp client, define a new connection with the following parameters:

Host: Your virtual image IP (i.e. 192.168.56.101)
Port: 22
Protocol: SFTP – SSH File Transfer Protocol
User: ocs (in lower case)
Password: you have define a new password during the OCS environment initialization (see figure 22 – linux user account)

All the files exported by the application are present in the *ocsfilestore* folder.

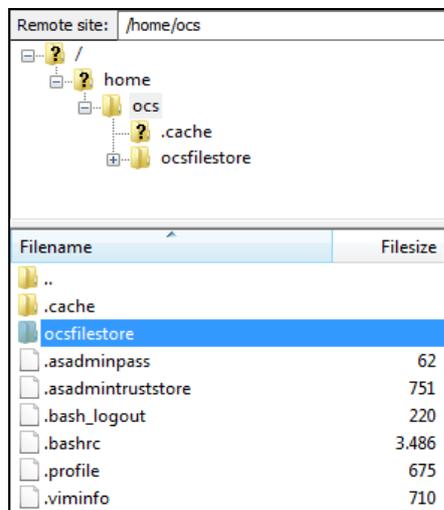


Figure 24 ocsfilestore

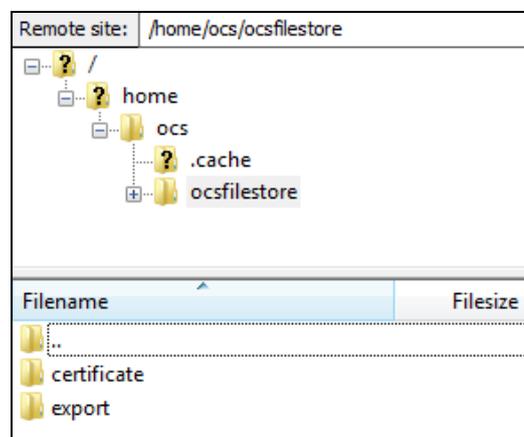


Figure 25 ocsfilestore content

7. Hardware specifications

The OCS virtual image is configured to run on a computer with at least 4 GB of memory. By default, the OCS image uses the half of that memory amount (2 GB).

If your computer is equipped with 2 GB, you have the possibility to reduce the memory amount use by the OCS image.

Remark: under of 1 GB of memory allocated to the OCS image, the virtual image should be instable.

When your virtual image is powered off, select the system settings and change the base memory value (1024 = 1 GB).

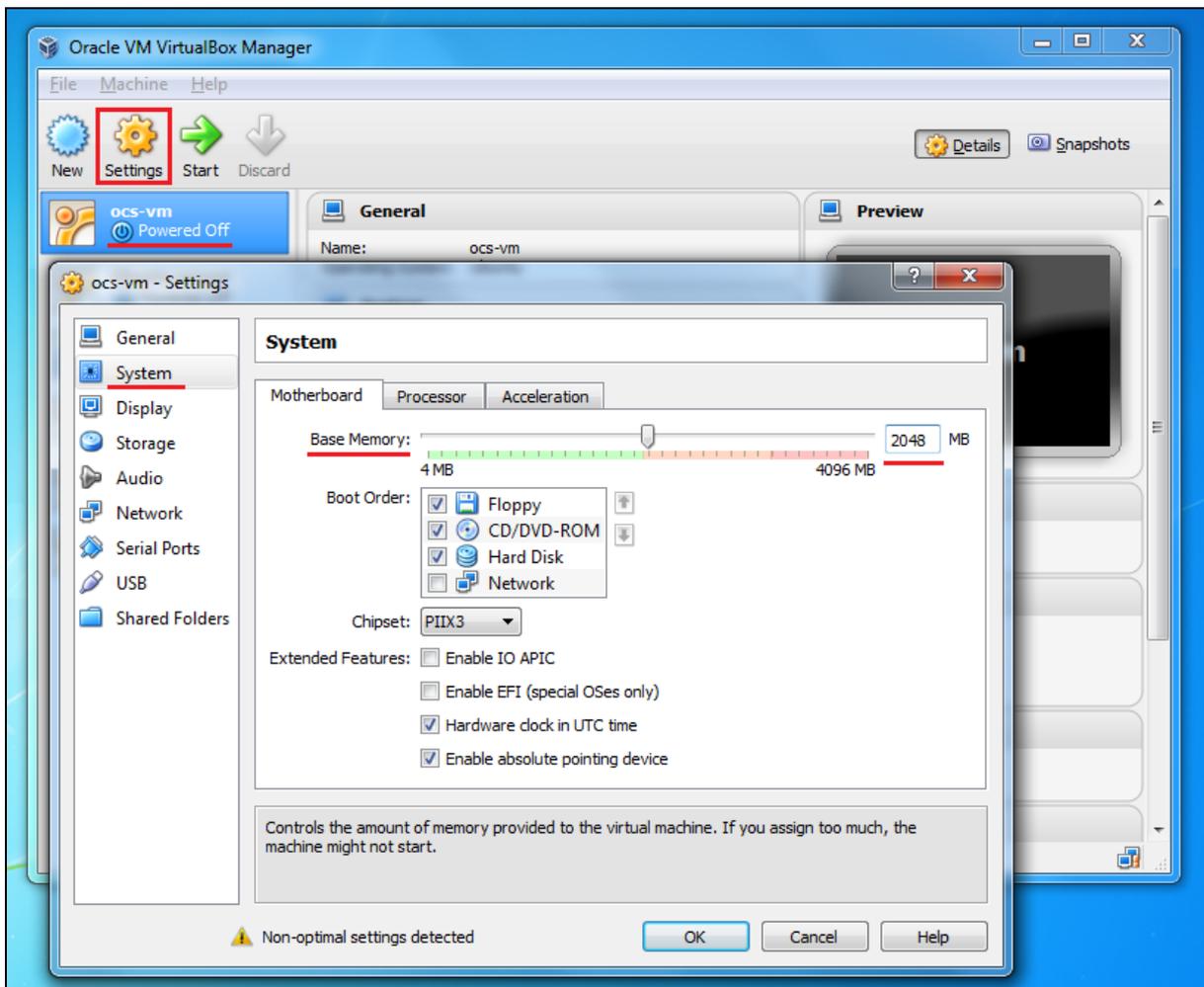


Figure 26 virtual machine settings (memory)