

# Virtualisatie

voor desktop en beginners



**Gert Schepens**

Slides & Notities op [gertschepens.be](http://gertschepens.be)



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- 
- Wat
  - Waarom
  - Hoe

Machine Devices Help

Google Documenten - Alle items - Windows Internet Explorer

http://docs.google.com/#all

File Edit View Favorites Tools Help

Google Documenten - Alle items

Gmail Agenda Documenten Reader Het internet meer

Google documenten

Zoeken in documenten Sjablone

Er is een fout opgetreden op

Nieuwe maken Uploaden

Alle items

- Eigendom van mij
- Geopend door mij
- Gedeeld met mij
- Met ster
- Verborgen
- Prullenbak
- Items per type
- Meer zoekacties

Mijn mappen

- 10 - Ubuntu for Noobies
- Google Chrome
- Notepad
- Mappen die met mij worden gec...

Alle items

Naam

Vandaag

Eerder dit jaar


Internet Explorer 8

Version: 8.0.6001.18702  
Cipher Strength: 128-bit  
Product ID: 01398-640-2310636-23443  
Update Versions: 0

Warning: This computer program is protected by copyright law and international treaties. Unauthorized reproduction or distribution of this program, or any portion of it, may result in criminal penalties, and will be prosecuted to the maximum extent possible under the law.

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eBox [Running] - Sun VirtualBox



**EBOX PLATFORM**

Install eBox Platform 1.2-6  
Check CD for defects  
Rescue a broken system  
Test memory  
Boot from first hard disk

F1 Help F2 Language F3 Keymap F4 Modes F5 Accessibility F6 Other Options

Safety Tools

ellingen Help Afmelden

Vernieuwen

Sun VirtualBox

File Machine Help

New Settings Show Discard

Boot CD  
Powered Off

eBox  
Running

XP (Presentatie)  
Running

Details Snapshots Description

**General**  
Name: eBox  
OS Type: Ubuntu

**System**  
Base Memory: 1024 MB  
Processor(s): 1  
Boot Order: Floppy, CD/DVD-ROM, Hard Disk  
VT-x/AMD-V: Enabled  
Nested Paging: Enabled

**Display**  
Video Memory: 12 MB  
3D Acceleration: Disabled  
2D Video Acceleration: Disabled  
Remote Display Server: Disabled

**Storage**  
IDE Controller  
IDE Secondary Master (CD/DVD): ebox\_installer-1.2-6.iso (636.52 MB)  
Floppy Controller  
Floppy Device 0: Empty

**Audio**  
Host Driver: PulseAudio  
Controller: ICH7AC02

**Waarom**

**Windows**  
Onmisbare Software  
Games?

Because you can

**Linux**  
Ubuntu Alfa?

**Andere OSsen**

Hoe





**Installatie**

# OSE vs Non-Free

## **VirtualBox Open Source Edition (OSE)**

is the one that has been released under the GPL and comes with complete source code.

## **VirtualBox Non Free**

is available in binary (executable) form free of charge and includes Remote Display Protocol (RDP) Server, USB support, USB over RDP

# OSE



The screenshot shows the Ubuntu Software Center interface. The window title is "Ubuntu Software Center" and the menu bar includes "File", "Edit", "View", and "Help". The left sidebar has "Get Software" and "Installed Software" options. The main content area displays the "VirtualBox OSE" package page. The breadcrumb trail at the top of the main area is "Get Software > Search Results > VirtualBox OSE". The package name "VirtualBox OSE" is prominently displayed with a box icon, followed by the description "Run several virtual systems on a single host computer" and an "Install - Free" button. Below this, there is a paragraph describing VirtualBox as a free x86 virtualization solution. A "Website" section is also present, along with a note that Canonical does not provide updates for this package. At the bottom, the license is listed as "Open Source" and the version as "3.1.6-dfsg-2ubuntu2 (virtualbox-ose-qt)".

Ubuntu Software Center

File Edit View Help

+ Get Software

Installed Software

Get Software Search Results VirtualBox OSE

 **VirtualBox OSE**

Run several virtual systems on a single host computer

Install - Free

VirtualBox is a free x86 virtualization solution allowing a wide range of x86 operating systems such as Windows, DOS, BSD or Linux to run on a Linux system.

This package provides the Qt based graphical user interface of the Open Source Edition of VirtualBox.

Website

Canonical does not provide updates for VirtualBox OSE. Some updates may be provided by the Ubuntu community.

License: Open Source

Version: 3.1.6-dfsg-2ubuntu2 (virtualbox-ose-qt)

# Non-Free

## Downloaden

- Op [http://www.virtualbox.org/wiki/Linux\\_Downloads](http://www.virtualbox.org/wiki/Linux_Downloads)

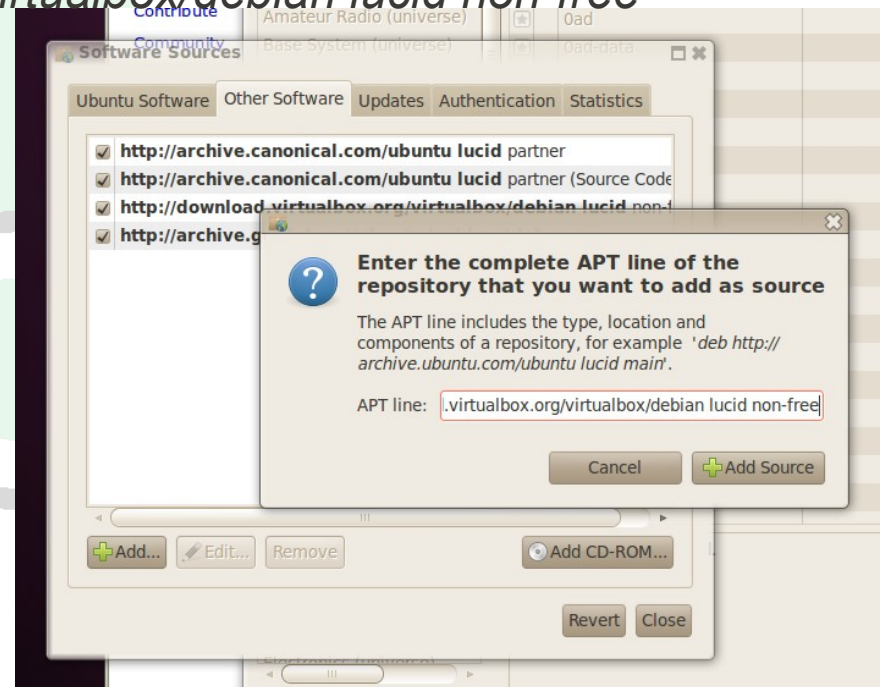
## Repositories

- Repository toevoegen in Synaptic  
System > Administration > Synaptic Package Manager  
Settings > Repositories > Other Software

Add: *Deb http://download.virtualbox.org/virtualbox/debian lucid non-free*

- Repository Key toevoegen  
*wget -q http://download.virtualbox.org/virtualbox/debian/sun\_vbox.asc*  
*-O- | sudo apt-key add -*

- Installeren!  
*virtualbox-3.1*



# VirtualBox Guest Additions

Mouse pointer integration, Better video support,  
Time synchronization, Shared clipboard, ..

- Full screen mode / Seamless mode
- Shared Folders – `\\vboxsvr\sharename`

<http://www.virtualbox.org/manual/>

# Alternatieven

KVM  
QEMU  
Vmware  
Xen

..

# Good Luck

Slides & Notities op

<http://www.gertschepens.be/presentations>

Developpers Icons by Sekkyumu

<http://sekkyumu.deviantart.com/art/Developpers-Icons-63052312>

**Gert Schepens**

# Virtualisatie

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**Gert Schepens**

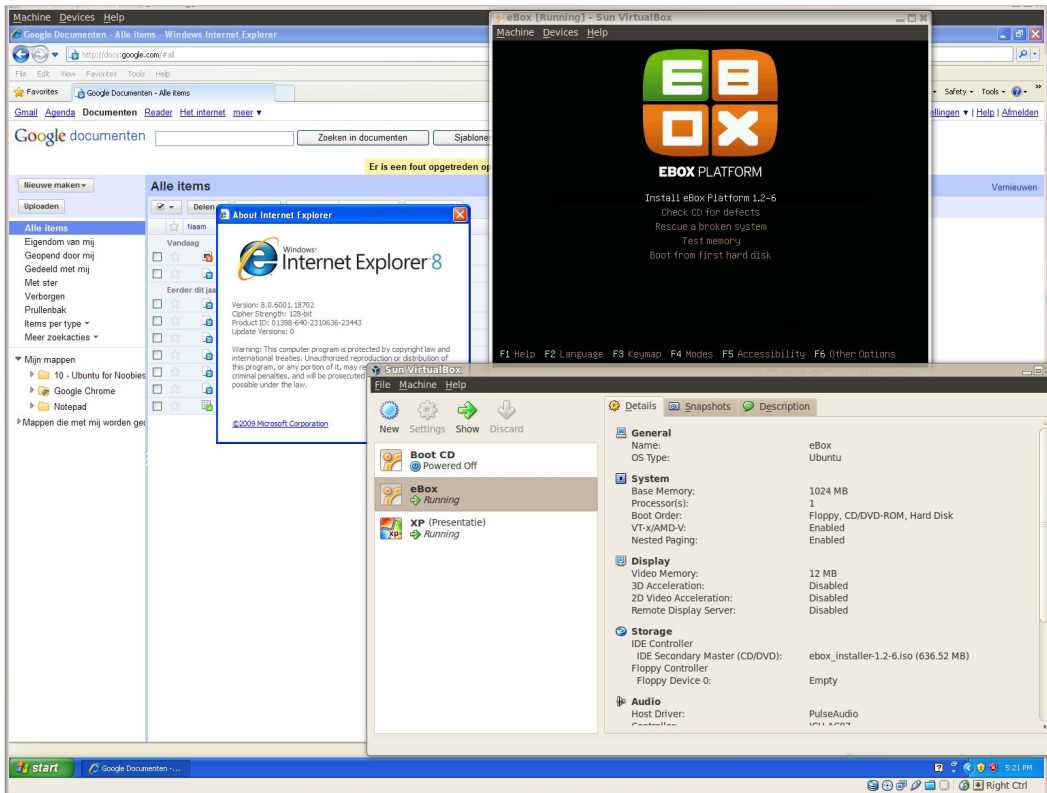
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- 
- Wat
  - Waarom
  - Hoe

Overzicht van Whats to come!



Wat?

Virtualisatie is een virtuele computer maken. Deze is voor de software die erop draait in alle opzichten een gewoon toestel.

Je kan hier de conventionele OSen op installeren en gebruiken als waren ze just another program op je computer.



## **Windows**

Onmisbare Software – Software die je niet door Linux software kunt vervangen en perse wil blijven gebruiken

Games? - Met vraagteken en terecht; De meesten werken niet maar its worth a try!

Because you can - :)

## **Linux**

Ubuntu Alfa? Altijd interessant om alfa en beta versies te helpen testen, en debuggen!

## **Andere Ossen**

Solaris, BSD, OS/2, ..



Hands on!  
(You just HAD to be there ;) )

Shared Folders – \\vboxsvr\sharename

Virtualbox Guest Additions – Zeker Installeren!

Manual:

<http://www.virtualbox.org/manual/UserManual.html>



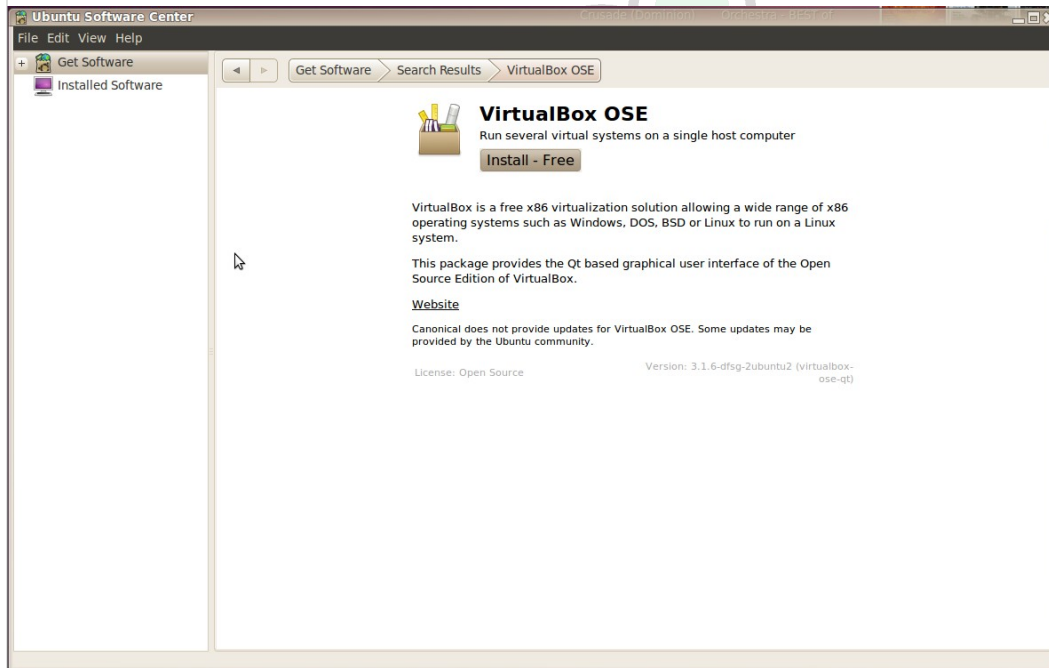
## OSE vs Non-Free

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is the one that has been released under the GPL  
and comes with complete source code.

**VirtualBox Non Free**  
is available in binary (executable) form free of  
charge and includes Remote Display Protocol  
(RDP) Server, USB support, USB over RDP

Het verschil tussen de OSE en Non-Free versie.

# OSE



Open Source Editionm klaar voor installatie via het  
Ubuntu Software Center.

# Non-Free

## Downloaden

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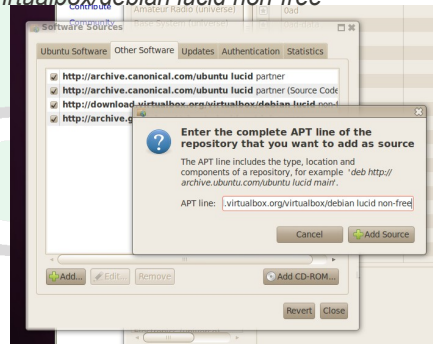
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- Installeren!  
`virtualbox-3.1`



URL:

[http://www.virtualbox.org/wiki/Linux\\_Downloads](http://www.virtualbox.org/wiki/Linux_Downloads)

Repository:

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lucid non-free

Add Key (paste the entire line):

`wget -q`

`http://download.virtualbox.org/virtualbox/debian/sun_vbox.asc -O- | sudo apt-key add -`

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<http://www.virtualbox.org/manual/>

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Doen!

## Alternatieven

KVM  
QEMU  
Vmware  
Xen

..

Er zijn veel verschillende opties, doch voor de snelle desktop virtualisatie ben ik fan van Virtualbox!



# Good Luck



Slides & Notities op  
<http://www.gertschepens.be/presentations>

Developpers Icons by Sekkyumu  
<http://sekkyumu.deviantart.com/art/Developpers-Icons-63052312>

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Dank & Vragen?