



VirtualBox

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VirtualBox is a powerful x86 and AMD64/Intel64 [virtualization](#) product for enterprise as well as home use. Not only is VirtualBox an extremely feature rich, high performance product for enterprise customers, it is also the only professional solution that is freely available as Open Source Software under the terms of the GNU General Public License (GPL) version 2. See "[About VirtualBox](#)" for an introduction.

Presently, VirtualBox runs on Windows, Linux, Macintosh, and Solaris hosts and supports a large number of [guest operating systems](#) including but not limited to Windows (NT 4.0, 2000, XP, Server 2003, Vista, Windows 7, Windows 8, Windows 10), DOS/Windows 3.x, Linux (2.4, 2.6, 3.x and 4.x), Solaris and OpenSolaris, OS/2, and OpenBSD.

VirtualBox is being actively developed with frequent releases and has an ever growing list of features, supported guest operating systems and platforms it runs on. VirtualBox is a community effort backed by a dedicated company: everyone is encouraged to contribute while Oracle ensures the product always meets professional quality criteria.

Download VirtualBox 6.1

Hot picks:

- Pre-built virtual machines for developers at [Oracle Tech Network](#)
- **Hyperbox** Open-source Virtual Infrastructure Manager [project site](#)
- **phpVirtualBox** AJAX web interface [project site](#)

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News Flash

- **New April 19th, 2022**
VirtualBox 6.1.34 released!
Oracle today released a 6.1 maintenance release which improves stability and fixes regressions. See the [Changelog](#) for details.
- **Important February 24th, 2022**
We're hiring!
Looking for a new challenge? We're hiring a [VirtualBox Principal Software Developer \(US, UK, Romania\)](#).
- **Important January 13th, 2022**
We're hiring!
Looking for a new challenge? We're hiring a [System Administrator/Quality Engineer \(Germany\)](#).
- **Important May 17th, 2021**
We're hiring!
Looking for a new challenge? We're hiring a [VirtualBox senior developer in 3D area \(Europe/Russia/India\)](#).
- **New January 18th, 2022**
VirtualBox 6.1.32 released!
Oracle today released a 6.1 maintenance release which improves stability and fixes regressions. See the [Changelog](#) for details.
- **New November 22nd, 2021**
VirtualBox 6.1.30 released!
Oracle today released a 6.1 maintenance release which improves stability and fixes regressions. See the [Changelog](#) for details.
- **New October 19th, 2021**
VirtualBox 6.1.28 released!

<https://www.virtualbox.org/wiki/Downloads>



Scanned with CamScanner

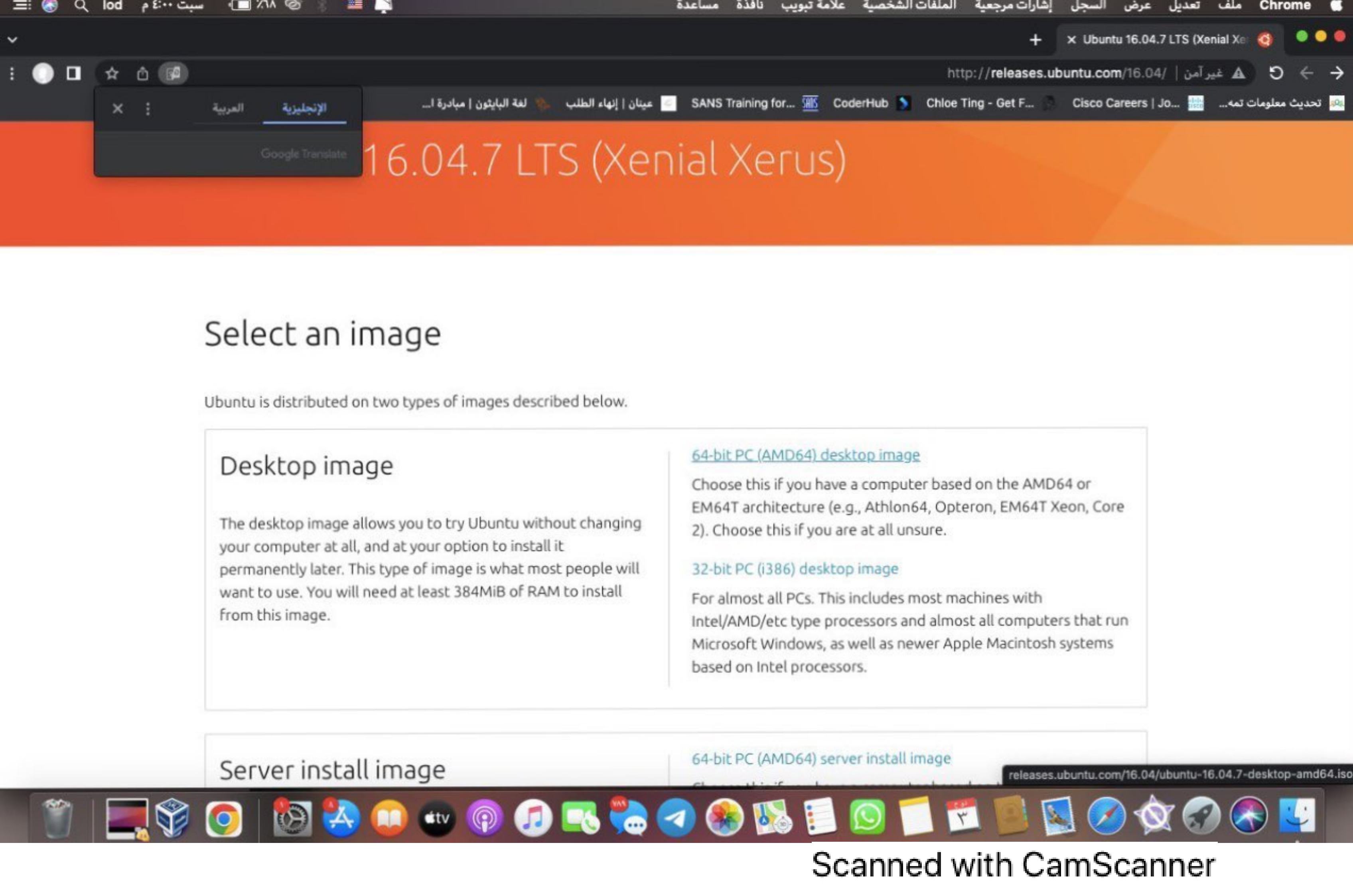


search...
Login Preferences

- All supported platforms

<https://download.virtualbox.org/virtualbox/6.1.34/VirtualBox-6.1.34-150636-OSX.dmg>





Select an image

Ubuntu is distributed on two types of images described below.

Desktop image

The desktop image allows you to try Ubuntu without changing your computer at all, and at your option to install it permanently later. This type of image is what most people will want to use. You will need at least 384MiB of RAM to install from this image.

[64-bit PC \(AMD64\) desktop image](#)

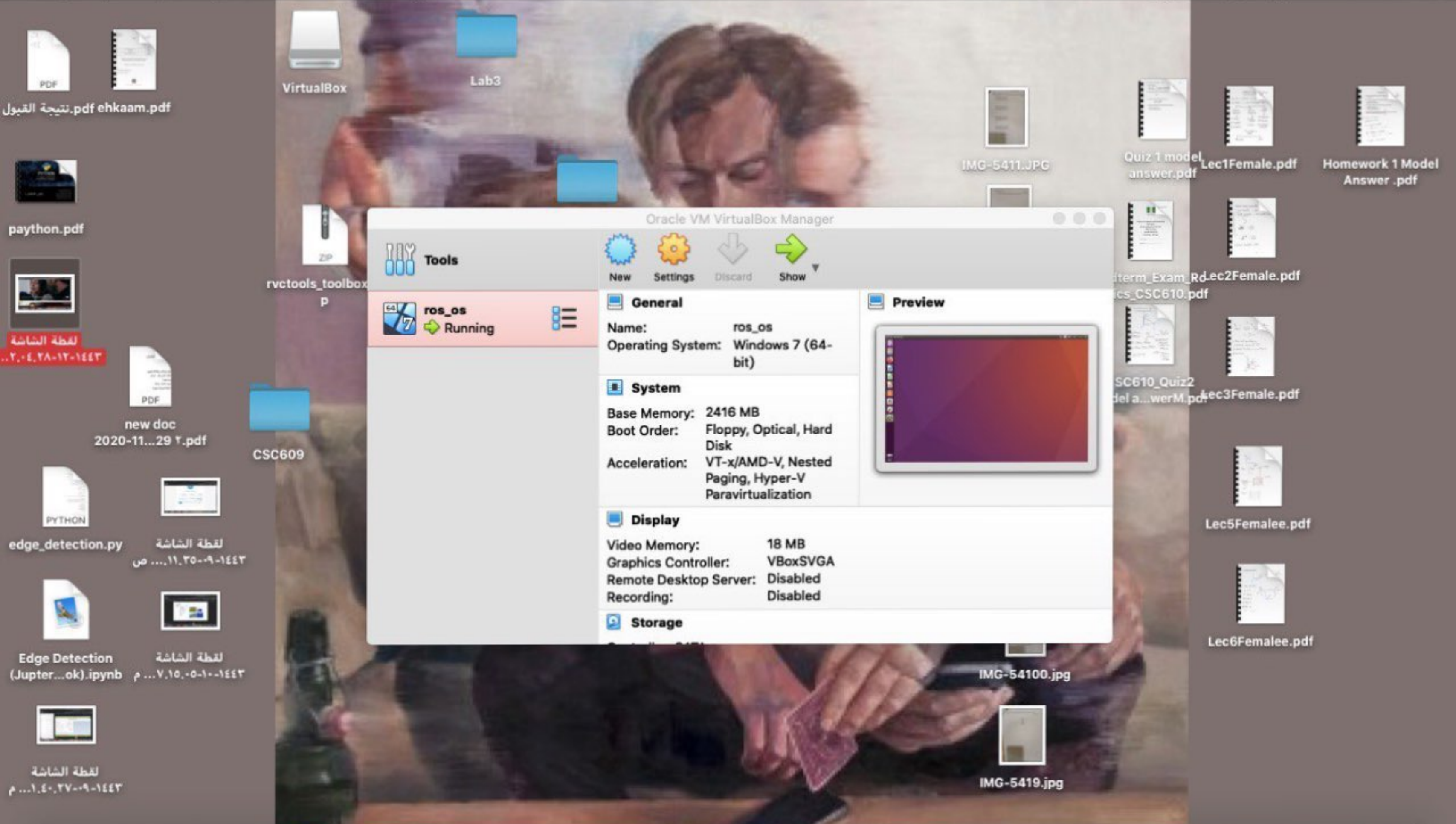
Choose this if you have a computer based on the AMD64 or EM64T architecture (e.g., Athlon64, Opteron, EM64T Xeon, Core 2). Choose this if you are at all unsure.

[32-bit PC \(i386\) desktop image](#)

For almost all PCs. This includes most machines with Intel/AMD/etc type processors and almost all computers that run Microsoft Windows, as well as newer Apple Macintosh systems based on Intel processors.

Server install image

[64-bit PC \(AMD64\) server install image](#)



نتيجة القبول.pdf ehkaam.pdf

python.pdf

لقطة الشاشة
٢٠٢٠-١١-٢٩-١٤٤٣

new doc
2020-11-29 ٢.pdf

edge_detection.py
لقطة الشاشة
٢٠٢٠-١١-٢٩-١٤٤٣

Edge Detection
(Jupyter Notebook).ipynb
لقطة الشاشة
٢٠٢٠-١١-٢٩-١٤٤٣

لقطة الشاشة
٢٠٢٠-١١-٢٩-١٤٤٣

VirtualBox

Lab3

IMG-5411.JPG

Quiz 1 model
answer.pdf

Lec1Female.pdf

Homework 1 Model
Answer .pdf

rvctools_toolbox
p

CSC609

Oracle VM VirtualBox Manager

Tools

ros_os
Running

General

Name: ros_os
Operating System: Windows 7 (64-bit)

System

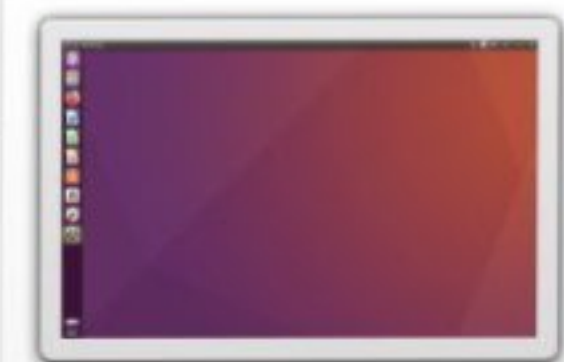
Base Memory: 2416 MB
Boot Order: Floppy, Optical, Hard Disk
Acceleration: VT-x/AMD-V, Nested Paging, Hyper-V Paravirtualization

Display

Video Memory: 18 MB
Graphics Controller: VBoxSVGA
Remote Desktop Server: Disabled
Recording: Disabled

Storage

Preview



term_Exam_RdLec2Female.pdf
ics_CSC610.pdf

SC610_Quiz2
del a...werM.pdf

Lec3Female.pdf

Lec5Femalee.pdf

Lec6Femalee.pdf

IMG-54100.jpg

IMG-5419.jpg


```

khulud@khulud-VirtualBox:~$ sudo nano ~/.bashrc
[sudo] password for khulud:
khulud@khulud-VirtualBox:~$ source ~/.bashrc
khulud@khulud-VirtualBox:~$ roslaunch robot_arm_pkg check_motors.launch
... logging to /home/khulud/.ros/log/5d80c7ec-fa02-11ec-952b-080027acffc7/rosl
aunch-khulud-VirtualBox-22747.log
Checking log directory for disk usage. This may take awhile.
Press Ctrl-C to interrupt
Done checking log file disk usage. Usage is <1GB.

```

started roslaunch server http://khulud-VirtualBox:33739/

SUMMARY

PARAMETERS

```

* /robot_description: <?xml version="1....
* /rostdistro: kinetic
* /rosversion: 1.12.17

```

NODES

```

/
  joint_state_publisher_gui (joint_state_publisher_gui/joint_state_publisher
_gui)
  robot_state_publisher (robot_state_publisher/robot_state_publisher)
  rviz (rviz/rviz)

```

auto-starting new master

process[master]: started with pid [22758]

ROS_MASTER_URI=http://localhost:11311

setting /run_id to 5d80c7ec-fa02-11ec-952b-080027acffc7

process[rosout-1]: started with pid [22771]

started core service [/rosout]

process[robot_state_publisher-2]: started with pid [22774]

process[rviz-3]: started with pid [22788]

process[joint_state_publisher_gui-4]: started with pid [22790]

[INFO] [1656764864.832856]: Centering

khulud@khulud-VirtualBox: ~/catkin_ws

```

Selecting previously unselected package libshiboken2:amd64.
Preparing to unpack .../libshiboken2:amd64 (2.0.0.dev0-0-202102130129-rev1010-pkg5-ubuntu16.04.1_amd64.deb ...
Unpacking libshiboken2:amd64 (2.0.0.dev0-0-202102130129-rev1010-pkg5-ubuntu16.04.1) ...
Selecting previously unselected package libpyside2:amd64.
Preparing to unpack .../libpyside2:amd64 (2.0.0.dev0-0-202102130129-rev1010-pkg5-ubuntu16.04.1_amd64.deb ...
Unpacking libpyside2:amd64 (2.0.0.dev0-0-202102130129-rev1010-pkg5-ubuntu16.04.1) ...
Selecting previously unselected package libinput-dev:amd64.
Preparing to unpack .../libinput-dev 1.6.3-1ubuntu1-16.04.1_amd64.deb ...
Unpacking libinput-dev:amd64 (1.6.3-1ubuntu1-16.04.1) ...
Selecting previously unselected package qtbase5-private-dev:amd64.
Preparing to unpack .../qtbase5-private-dev 5.5.1+dfsg-1ubuntu7.7_amd64.deb ...
Unpacking qtbase5-private-dev:amd64 (5.5.1+dfsg-1ubuntu7.7) ...
Selecting previously unselected package libqt5multimediawidgets5:amd64.
Preparing to unpack .../libqt5multimediawidgets5 5.5.1-4ubuntu2_amd64.deb ...
Unpacking libqt5multimediawidgets5:amd64 (5.5.1-4ubuntu2) ...
Selecting previously unselected package libqgsttools-qt5:amd64.
Preparing to unpack .../libqgsttools-qt5 5.5.1-4ubuntu2_amd64.deb ...
Unpacking libqgsttools-qt5:amd64 (5.5.1-4ubuntu2) ...
Selecting previously unselected package libqt5multimediaquick-p5:amd64.
Preparing to unpack .../libqt5multimediaquick-p5 5.5.1-4ubuntu2_amd64.deb ...
Unpacking libqt5multimediaquick-p5:amd64 (5.5.1-4ubuntu2) ...
Selecting previously unselected package qtmultimedia5-dev:amd64.
Preparing to unpack .../qtmultimedia5-dev 5.5.1-4ubuntu2_amd64.deb ...
Unpacking qtmultimedia5-dev:amd64 (5.5.1-4ubuntu2) ...
Selecting previously unselected package libqt5opengl5-dev:amd64.
Preparing to unpack .../libqt5opengl5-dev 5.5.1+dfsg-1ubuntu7.7_amd64.deb ...
Unpacking libqt5opengl5-dev:amd64 (5.5.1+dfsg-1ubuntu7.7) ...
Selecting previously unselected package libqt5sculene5:amd64.
Preparing to unpack .../libqt5sculene5 5.5.1-3ubuntu0.1_amd64.deb ...
Unpacking libqt5sculene5:amd64 (5.5.1-3ubuntu0.1) ...
Selecting previously unselected package libqt5designer5:amd64.
Preparing to unpack .../libqt5designer5 5.5.1-3ubuntu0.1_amd64.deb ...
Unpacking libqt5designer5:amd64 (5.5.1-3ubuntu0.1) ...
Selecting previously unselected package libqt5designercomponents5:amd64.
Preparing to unpack .../libqt5designercomponents5 5.5.1-3ubuntu0.1_amd64.deb ...
Unpacking libqt5designercomponents5:amd64 (5.5.1-3ubuntu0.1) ...
Selecting previously unselected package libqt5help5:amd64.
Preparing to unpack .../libqt5help5 5.5.1-3ubuntu0.1_amd64.deb ...
Unpacking libqt5help5:amd64 (5.5.1-3ubuntu0.1) ...
Selecting previously unselected package qttools5-dev:amd64.
Preparing to unpack .../qttools5-dev 5.5.1-3ubuntu0.1_amd64.deb ...
Unpacking qttools5-dev:amd64 (5.5.1-3ubuntu0.1) ...
Selecting previously unselected package qttools5-private-dev:amd64.
Preparing to unpack .../qttools5-private-dev 5.5.1-3ubuntu0.1_amd64.deb ...
Unpacking qttools5-private-dev:amd64 (5.5.1-3ubuntu0.1) ...
Selecting previously unselected package qttools5-dev-tools.
Preparing to unpack .../qttools5-dev-tools 5.5.1-3ubuntu0.1_amd64.deb ...
Unpacking qttools5-dev-tools (5.5.1-3ubuntu0.1) ...

```


config.rviz - RViz

Interact Move Camera Select Focus Camera Measure 2D Pose Estimate 2D Nav Goal Publish Point

Displays

- Global Options
 - Fixed Frame: base
 - Background Color: 48; 48; 48
 - Frame Rate: 30
 - Default Light: ☒
- Global Status: Ok
 - Fixed Frame: OK
- Grid: ☒
- Axes: ☒
 - Status: Ok
 - Reference Frame: <Fixed Frame>
 - Length: 1
 - Radius: 0.0000
- RobotModel: ☒
 - Status: Ok
 - Visual Enabled: ☒
 - Collision Enabled: ☐

Add Duplicate Remove Rename

Views

Type: Orbit (rviz) Zero

Current View	Orbit (rviz)
Near Clip ...	0.1
Invert Z Axis	<input type="checkbox"/>
Target Fra...	<Fixed Frame>
Distance	8.1709
Focal Shap...	0.0
Focal Shap...	<input checked="" type="checkbox"/>
Yaw	1.1004
Pitch	-0.06398
Focal Point	-1.2241; -2.4556; ...

Save Remove Rename

Time

ROS Time: 556766374.22 ROS Elapsed: 1508.81 Wall Time: 1656766374.25 Wall Elapsed: 1508.81 ☐ Experimental

Reset 31 fps

joint_state_publisher

base_joint 1.02

shoulder 0.01

elbow 0.06

wrist 0.43

Randomize

Center

ε

```

Selecting previously unselected package libqt5help5:amd64.
Preparing to unpack .../libqt5help5_5.5.1-3ubuntu0.1_amd64.deb ...
Unpacking libqt5help5:amd64 (5.5.1-3ubuntu0.1) ...
Selecting previously unselected package qttools5-dev:amd64.
Preparing to unpack .../qttools5-dev_5.5.1-3ubuntu0.1_amd64.deb ...
Unpacking qttools5-dev:amd64 (5.5.1-3ubuntu0.1) ...
Selecting previously unselected package qttools5-private-dev:amd64.
Preparing to unpack .../qttools5-private-dev_5.5.1-3ubuntu0.1_amd64.deb ...
Unpacking qttools5-private-dev:amd64 (5.5.1-3ubuntu0.1) ...
Selecting previously unselected package qttools5-dev-tools.
Preparing to unpack .../qttools5-dev-tools_5.5.1-3ubuntu0.1_amd64.deb ...
Unpacking qttools5-dev-tools (5.5.1-3ubuntu0.1) ...
Selecting previously unselected package qtdeclarative5-private-dev:amd64.
Preparing to unpack .../qtdeclarative5-private-dev_5.5.1-2ubuntu6_amd64.deb ...

```