

English

Español  
Esperanto  
Euskara  
Français  
Gaeilge  
Galego  
Hrvatski  
Íslenska  
Italiano  
Kurdî  
Latviski  
Lietuviškai  
Magyar  
Nederlands  
No localization (UTF-8)  
Norsk bokmål  
Norsk nynorsk



Try Ubuntu



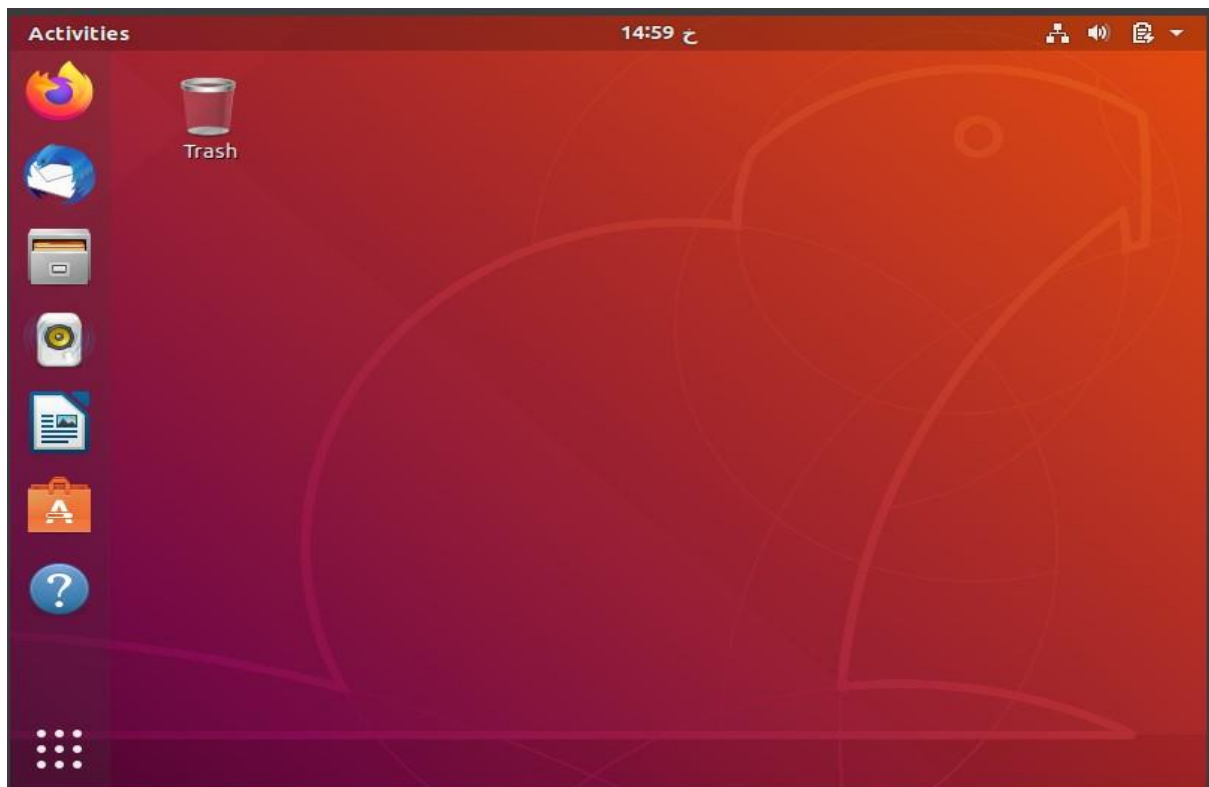
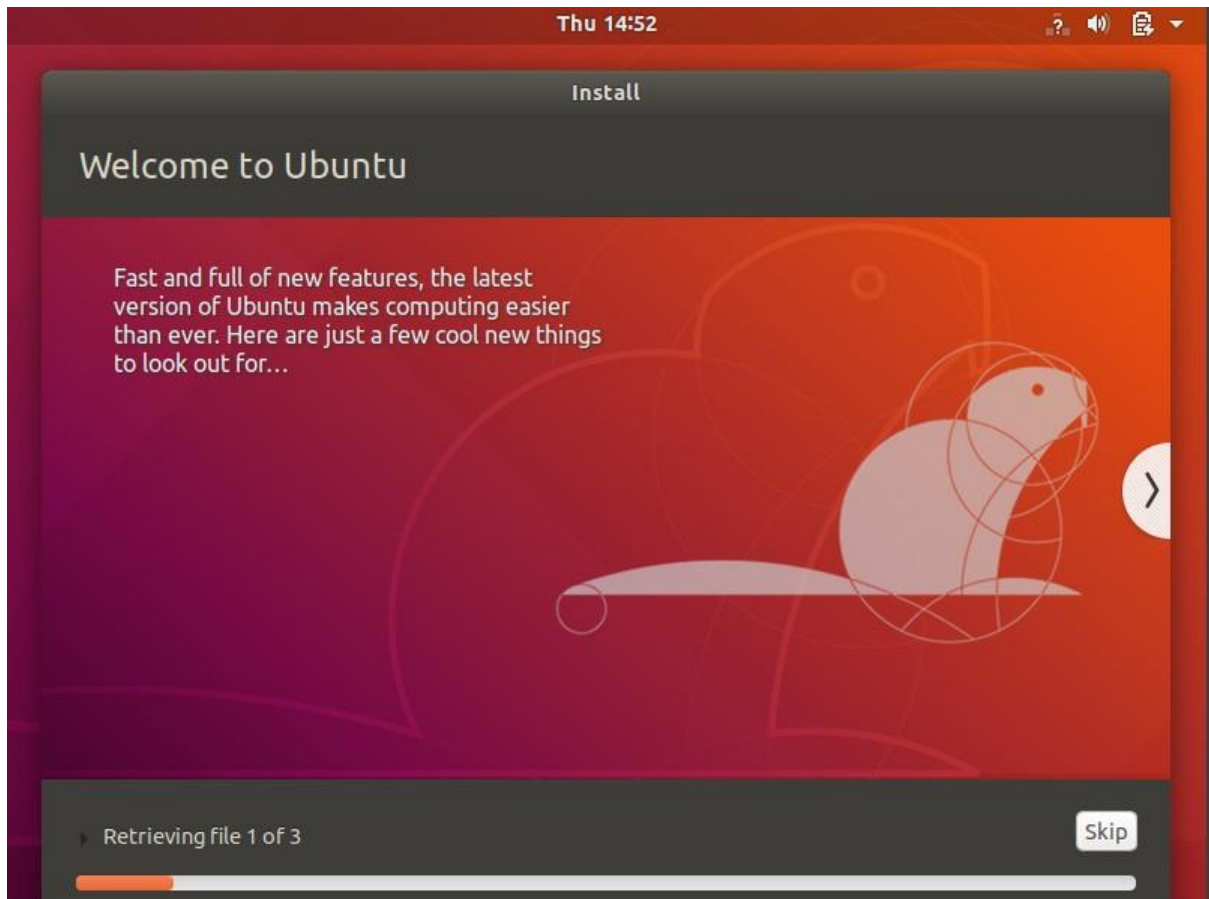
Install Ubuntu

You can try Ubuntu without making any changes to your computer, directly from this CD.

Or if you're ready, you can install Ubuntu alongside (or instead of) your current operating system. This shouldn't take too long.

You may wish to read the [release notes](#).

Right Ctrl



```
Activities Terminal 15:33
ubuntu@ubuntu-VirtualBox: ~
File Edit View Search Terminal Tabs Help
ubuntu@ubuntu-VirtualBox: ~
Setting up ros-melodic-gazebo-ros-control (2.8.7-1bionic.20221025.202747) ...
Setting up ros-melodic-robot (1.4.1-0bionic.20230620.175152) ...
Setting up ros-melodic-gazebo-plugins (2.8.7-1bionic.20221025.195709) ...
Setting up ros-melodic-interactive-marker-tutorials (0.10.5-1bionic.20221025.195102) ...
Setting up ros-melodic-rviz (1.13.30-1bionic.20230330.122332) ...
Setting up ros-melodic-rqt-rviz (0.7.0-1bionic.20230330.133614) ...
Setting up ros-melodic-rqt-robot-plugins (0.5.7-0bionic.20230330.134125) ...
Setting up ros-melodic-gazebo-ros-pkgs (2.8.7-1bionic.20221025.201835) ...
Setting up ros-melodic-rqt-common-plugins (0.4.8-0bionic.20230314.193548) ...
Setting up ros-melodic-rviz-python-tutorial (0.10.5-1bionic.20230330.133717) ...
Setting up ros-melodic-rviz-plugin-tutorials (0.10.5-1bionic.20230330.133655) ...
Setting up ros-melodic-librviz-tutorial (0.10.5-1bionic.20230330.133535) ...
Setting up ros-melodic-simulators (1.4.1-0bionic.20230620.175233) ...
Setting up ros-melodic-urdf-tutorial (0.4.0-0bionic.20230524.155441) ...
Setting up ros-melodic-urdf-sim-tutorial (0.4.0-0bionic.20230524.160230) ...
Setting up ros-melodic-viz (1.4.1-0bionic.20230330.134338) ...
Setting up ros-melodic-visualization-tutorials (0.10.5-1bionic.20230330.134144) ...
Setting up ros-melodic-desktop (1.4.1-0bionic.20230620.175232) ...
Setting up ros-melodic-desktop-full (1.4.1-0bionic.20230620.175308) ...
Processing triggers for libc-bin (2.27-3ubuntu1.4) ...
ubuntu@ubuntu-VirtualBox:~$
```

```
Activities Terminal 15:45
ubuntu@ubuntu-VirtualBox: ~
File Edit View Search Terminal Tabs Help
ubuntu@ubuntu-VirtualBox: ~
yaml
Hit https://raw.githubusercontent.com/ros/rosdistro/master/rosdep/base.yaml
Hit https://raw.githubusercontent.com/ros/rosdistro/master/rosdep/python.yaml
Hit https://raw.githubusercontent.com/ros/rosdistro/master/rosdep/ruby.yaml
Hit https://raw.githubusercontent.com/ros/rosdistro/master/releases/fuerte.yaml
Query rosdistro index https://raw.githubusercontent.com/ros/rosdistro/master/index-v4.yaml
Skip end-of-life distro "ardent"
Skip end-of-life distro "bouncy"
Skip end-of-life distro "crystal"
Skip end-of-life distro "dashing"
Skip end-of-life distro "eloquent"
Skip end-of-life distro "foxy"
Skip end-of-life distro "galactic"
Skip end-of-life distro "groovy"
Add distro "humble"
Skip end-of-life distro "hydro"
Skip end-of-life distro "indigo"
Add distro "iron"
Skip end-of-life distro "jade"
Skip end-of-life distro "kinetic"
Skip end-of-life distro "lunar"
Skip end-of-life distro "melodic"
Add distro "noetic"
Add distro "rolling"
updated cache in /home/ubuntu/.ros/rosdep/sources.cache
ubuntu@ubuntu-VirtualBox:~$
```



```
Activities Terminal 15:51
ubuntu@ubuntu-VirtualBox: ~
File Edit View Search Terminal Tabs Help
ubuntu@ubuntu-VirtualBox: ~
ubuntu@ubuntu-VirtualBox:~$ roscore
... logging to /home/ubuntu/.ros/log/e99944c6-26fb-11ee-a6ce-080027287ca8/ros-launch-ubuntu-VirtualBox-309.log
Checking log directory for disk usage. This may take a while.
Press Ctrl-C to interrupt
Done checking log file disk usage. Usage is <1GB.

started roslaunch server http://ubuntu-VirtualBox:38941/
ros_comm version 1.14.13

SUMMARY
=====

PARAMETERS
* /roscpp_generate_messages_py
* /roscpp_generate_messages_lisp
* /roscpp_generate_messages_cpp
* /std_msgs_generate_messages_lisp
* /std_msgs_generate_messages_py
* /std_srvs_generate_messages_lisp
* /std_srvs_generate_messages_py
* /tf_generate_messages_lisp
* /tf_generate_messages_py
* /move_group_node

NODES
auto-starting new master
process[roscpp_generate_messages_py]: started with pid [324]
ROS_MASTER_URI=http://ubuntu-VirtualBox:11311/

setting /run_id to e99944c6-26fb-11ee-a6ce-080027287ca8
process[roscpp_generate_messages_lisp]: started with pid [336]
started core service [/roscpp_generate_messages_py]
process[roscpp_generate_messages_cpp]: started with pid [337]
process[std_msgs_generate_messages_lisp]: started with pid [338]
process[std_msgs_generate_messages_py]: started with pid [339]
process[std_srvs_generate_messages_lisp]: started with pid [340]
process[std_srvs_generate_messages_py]: started with pid [341]
process[tf_generate_messages_lisp]: started with pid [342]
process[tf_generate_messages_py]: started with pid [343]
process[move_group_node]: started with pid [344]
```

```
Activities Terminal 16:53
ubuntu@ubuntu-VirtualBox: ~/catkin_ws
File Edit View Search Terminal Tabs Help
ubuntu@ubuntu-VirtualBox: ~/catkin_ws
ubuntu@ubuntu-VirtualBox:~/catkin_ws$ catkin build
Scanning dependencies of target tf_generate_messages_nodejs
[ 0%] Built target octomap_msgs_generate_messages_py
[ 0%] Built target tf_generate_messages_lisp
Scanning dependencies of target roscpp_generate_messages_py
[ 0%] Built target tf_generate_messages_nodejs
Scanning dependencies of target roscpp_generate_messages_lisp
Scanning dependencies of target roscpp_generate_messages_eus
[ 0%] Built target roscpp_generate_messages_py
Scanning dependencies of target roscpp_generate_messages_cpp
[ 0%] Built target roscpp_generate_messages_eus
[ 0%] Built target roscpp_generate_messages_lisp
[ 0%] Built target roscpp_generate_messages_py
Scanning dependencies of target std_msgs_generate_messages_lisp
Scanning dependencies of target std_msgs_generate_messages_py
Scanning dependencies of target std_srvs_generate_messages_lisp
Scanning dependencies of target std_srvs_generate_messages_py
[ 0%] Built target std_srvs_generate_messages_py
[ 0%] Built target roscpp_generate_messages_cpp
[ 0%] Built target std_srvs_generate_messages_lisp
[ 0%] Built target std_msgs_generate_messages_lisp
Scanning dependencies of target move_group_node
[ 50%] Building CXX object arduino_robot_arm/moveit_pkg/CMakeFiles/move_group_node.dir/src/move_group_interface.cpp.o
[100%] Linking CXX executable /home/ubuntu/catkin_ws/devel/lib/moveit_pkg/move_group_node
[100%] Built target move_group_node
ubuntu@ubuntu-VirtualBox:~/catkin_ws$
```

Activities Terminal 16:55

File Edit View Search Terminal Tabs Help

ubuntu@ubuntu-VirtualBox: ~/catkin\_ws x /home/ubuntu/catkin\_ws/src/arduino\_robot\_arm/robot\_arm\_pkg/launch/check\_motors.laun...

```
group_node
[100%] Built target move_group_node
ubuntu@ubuntu-VirtualBox:~/catkin_ws$ roslaunch robot_arm_pkg check_motors.launch
... logging to /home/ubuntu/.ros/log/006c47f8-2705-11ee-a6ce-080027287ca8/ros-launch-ubuntu-VirtualBox-5130.log
Checking log directory for disk usage. This may take a while.
Press Ctrl-C to interrupt
Done checking log file disk usage. Usage is <1GB.

started roslaunch server http://ubuntu-VirtualBox:39517/

SUMMARY
=====

PARAMETERS
* /robot_description: <?xml version="1....
* /roscpp: melodic
* /rosversion: 1.14.13

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)
```

