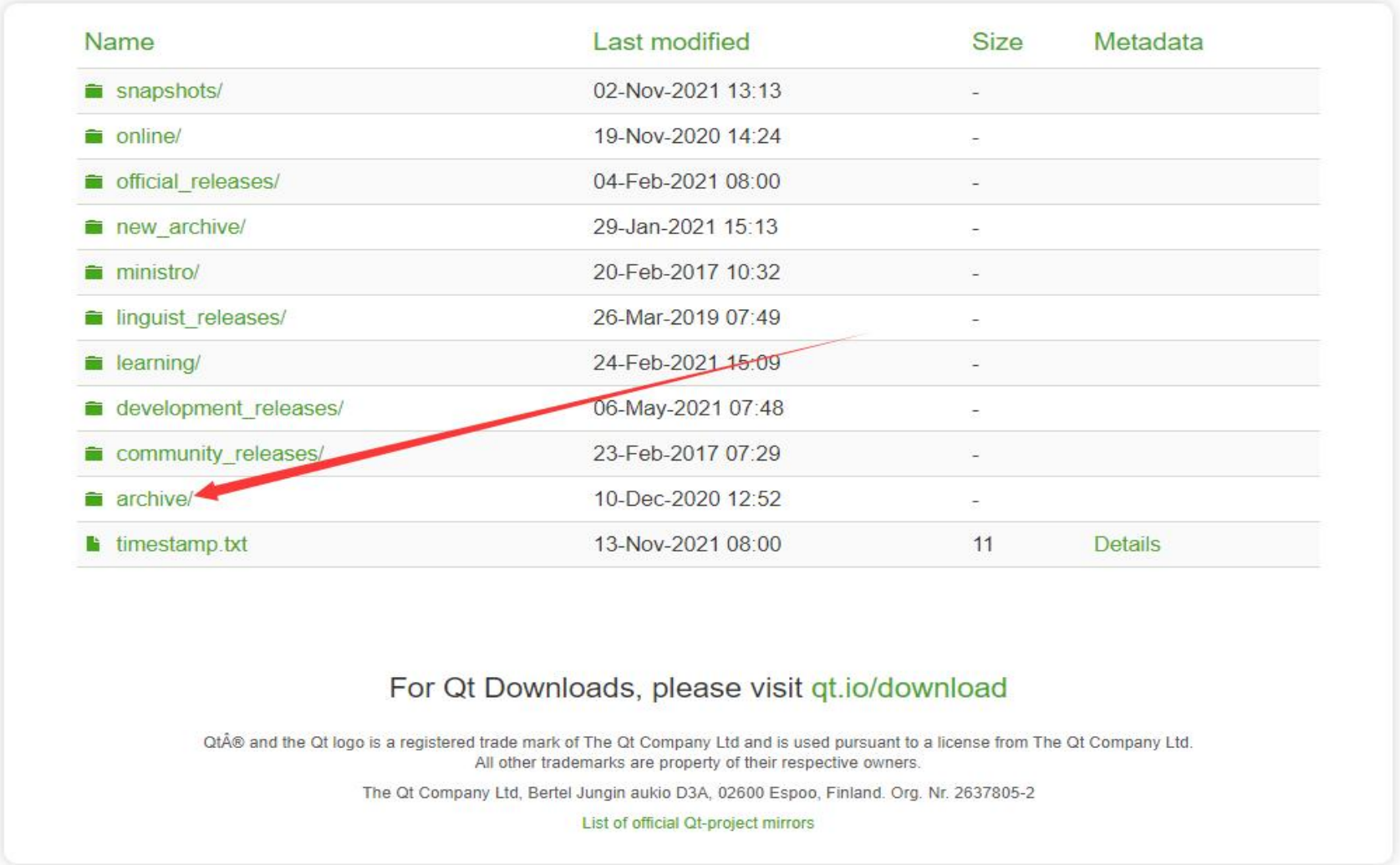
企业级项目实战：Linux Qt环境安装

零声学院讲师：Vico老师

在线技术解答与服务联系QQ：2409216224

一、Linux Qt软件下载

下载官网：1、https://download.qt.io/



Name	Last modified	Size	Metadata
snapshots/	02-Nov-2021 13:13	-	
online/	19-Nov-2020 14:24	-	
official_releases/	04-Feb-2021 08:00	-	
new_archive/	29-Jan-2021 15:13	-	
ministro/	20-Feb-2017 10:32	-	
linguist_releases/	26-Mar-2019 07:49	-	
learning/	24-Feb-2021 15:09	-	
development_releases/	06-May-2021 07:48	-	
community_releases/	23-Feb-2017 07:29	-	
archive/	10-Dec-2020 12:52	-	
timestamp.txt	13-Nov-2021 08:00	11	Details

Qt Downloads

Name	Last modified	Size	Metadata
Parent Directory		-	
vsaddin/	18-Oct-2021 13:24	-	
qtcreator/	17-Jan-2019 10:43	-	
qt/	29-Sep-2021 12:06	-	
online_installers/	11-Nov-2021 10:48	-	
additional_libraries/	03-Mar-2021 10:18	-	

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我们再进入 qt 子目录， 看到如下列表：

Name	Last modified	Size	Metadata
Parent Directory		-	
6.2/	26-Oct-2021 10:24	-	
6.1/	01-Sep-2021 10:42	-	
6.0/	04-May-2021 07:38	-	
5.15/	19-Nov-2020 13:11	-	
5.14/	31-Mar-2020 09:14	-	
5.13/	31-Oct-2019 07:17	-	
5.12/	25-May-2021 07:09	-	
5.9/	16-Dec-2019 15:00	-	
5.1/	28-Jan-2021 16:26	-	
5.0/	28-Jan-2021 16:48	-	

Name	Last modified	Size	Metadata
Parent Directory		-	
5.12.11/	25-May-2021 07:33	-	
5.12.10/	09-Nov-2020 08:14	-	
5.12.9/	16-Jun-2020 18:09	-	
5.12.8/	08-Apr-2020 07:38	-	
5.12.7/	31-Jan-2020 07:09	-	
5.12.6/	13-Nov-2019 07:28	-	
5.12.5/	11-Sep-2019 10:45	-	
5.12.4/	14-Jun-2019 08:09	-	
5.12.3/	18-Apr-2019 12:35	-	
5.12.2/	14-Mar-2019 11:33	-	
5.12.1/	01-Feb-2019 07:29	-	
5.12.0/	05-Dec-2018 09:55	-	

Name	Last modified	Size	Metadata
Parent Directory		-	
submodules/ Qt各个子模块的源码包	09-Nov-2020 08:01	-	
single/ Qt完整的源码包	09-Nov-2020 07:57	-	
qt-opensource-windows-x86-5.12.10.exe Qt windows安装包	09-Nov-2020 08:13	3.7G	Details
qt-opensource-mac-x64-5.12.10.dmg Qt Mac安装包	09-Nov-2020 08:10	2.7G	Details
qt-opensource-linux-x64-5.12.10.run Qt Linux安装包	09-Nov-2020 08:07	1.3G	Details
md5sums.txt	09-Nov-2020 08:16	210	Details

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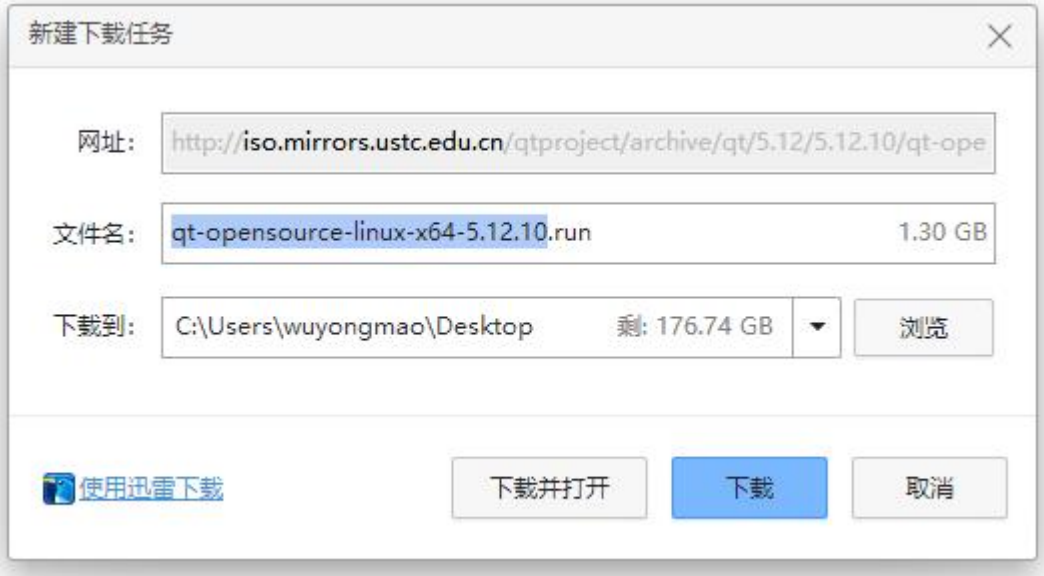
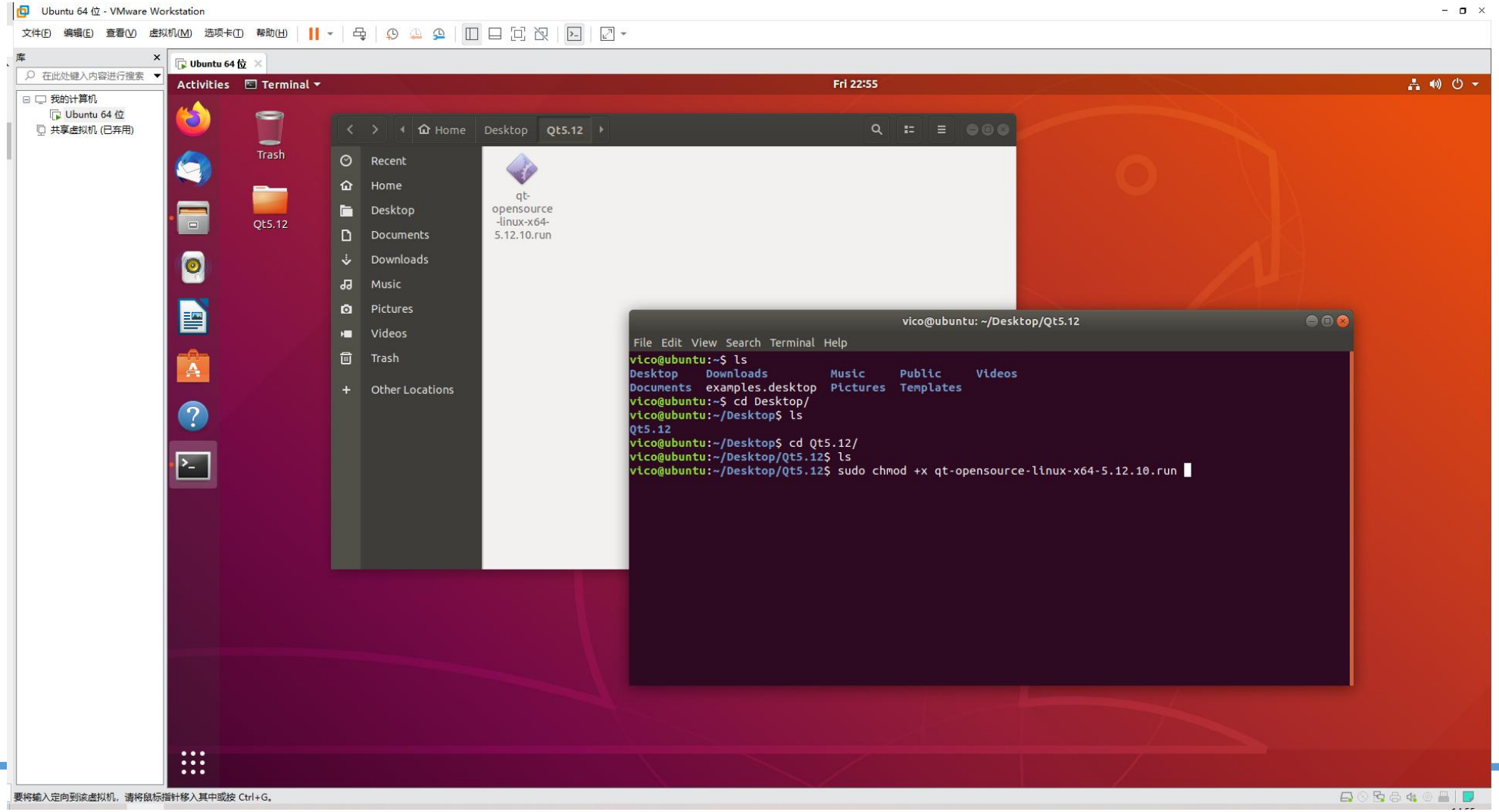
根据不同的操作系统，选择不同的安装包即可，不用管源码包，除非你想自己编译或者阅读源码。

我们以 Windows 安装包（qt-opensource-windows-x86-5.9.0.exe）讲解一下 Qt 安装包命名规则，其中：
opensource 是指开源版本；
windows 是指开发环境的操作系统；
x86 是指 32 位系统；
5.9.0 是 Qt 版本号。

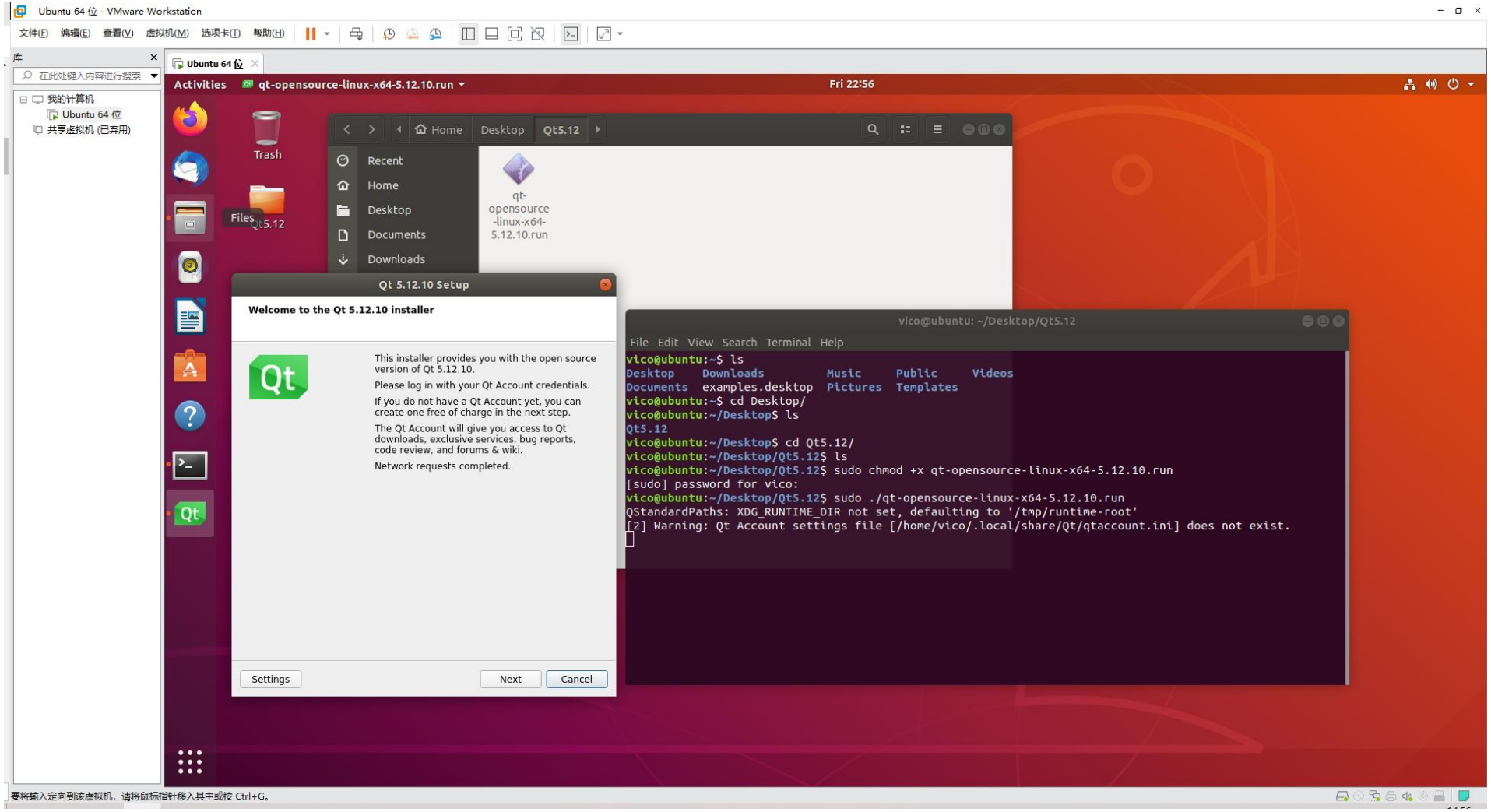


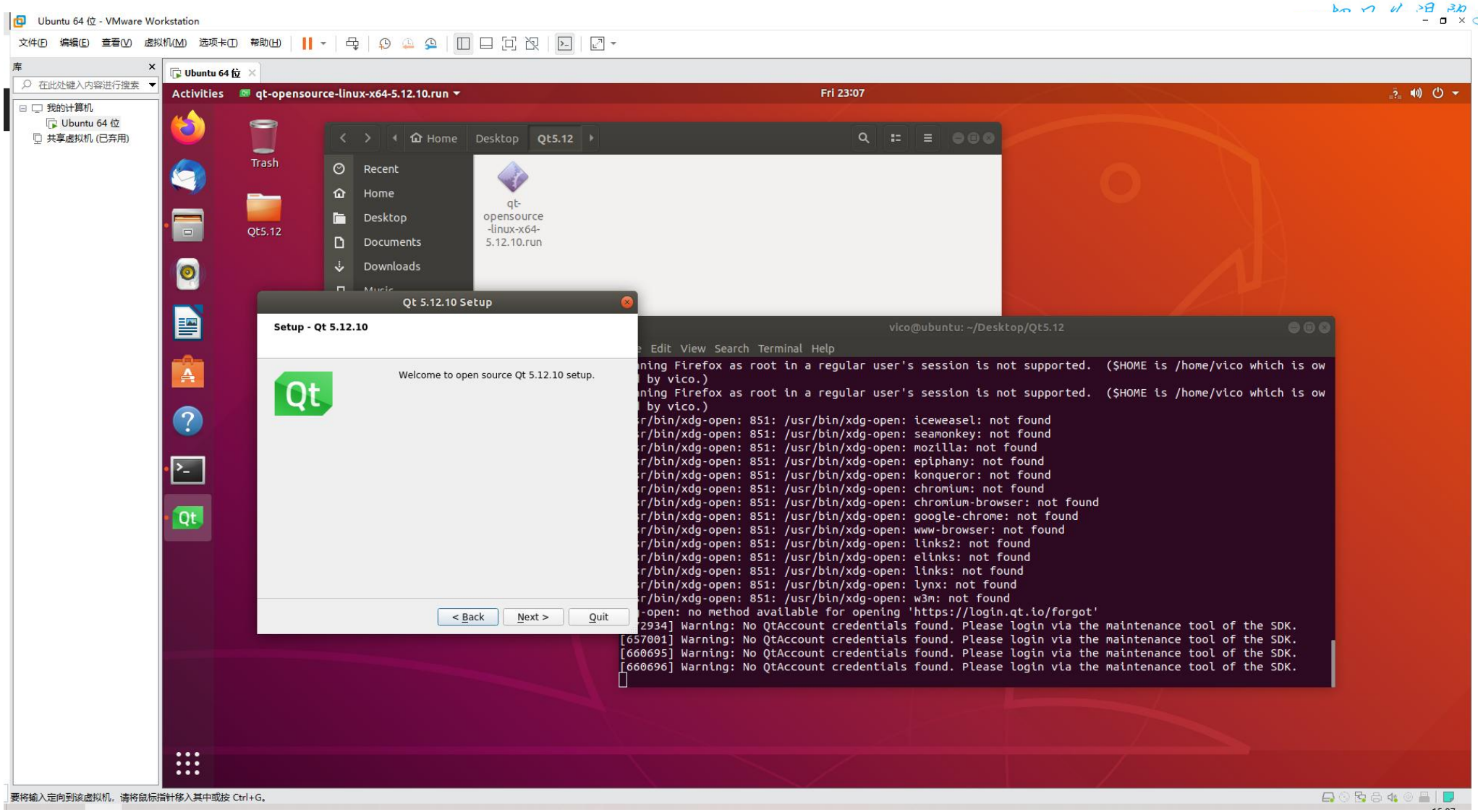
二、Linux Qt安装

确保下载Qt到指定的目录下：



输入QT账号及密码正确之后如下：




Ubuntu 64 位 - VMware Workstation
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库
在此处键入内容进行搜索
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Ubuntu 64 位
共享虚拟机 (已弃用)
Ubuntu 64 位
Activities
qt-opensource-linux-x64-5.12.10.run
Fri 23:07
Trash
Qt5.12
Home
Desktop
Qt5.12
Recent
Home
Desktop
Documents
Downloads
qt-opensource-linux-x64-5.12.10.run
Qt 5.12.10 Setup
Setup - Qt 5.12.10
Welcome to open source Qt 5.12.10 setup.
< Back
Next >
Quit
vico@ubuntu: ~/Desktop/Qt5.12
Edit View Search Terminal Help
ning Firefox as root in a regular user's session is not supported. ($HOME is /home/vico which is ow
by vico.)
ning Firefox as root in a regular user's session is not supported. ($HOME is /home/vico which is ow
by vico.)
r/bin/xdg-open: 851: /usr/bin/xdg-open: iceweasel: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: seamonkey: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: mozilla: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: epiphany: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: konqueror: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: chromium: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: chromium-browser: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: google-chrome: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: www-browser: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: links2: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: elinks: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: links: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: lynx: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: w3m: not found
-open: no method available for opening 'https://login.qt.io/forgot'
2934] Warning: No QtAccount credentials found. Please login via the maintenance tool of the SDK.
[657001] Warning: No QtAccount credentials found. Please login via the maintenance tool of the SDK.
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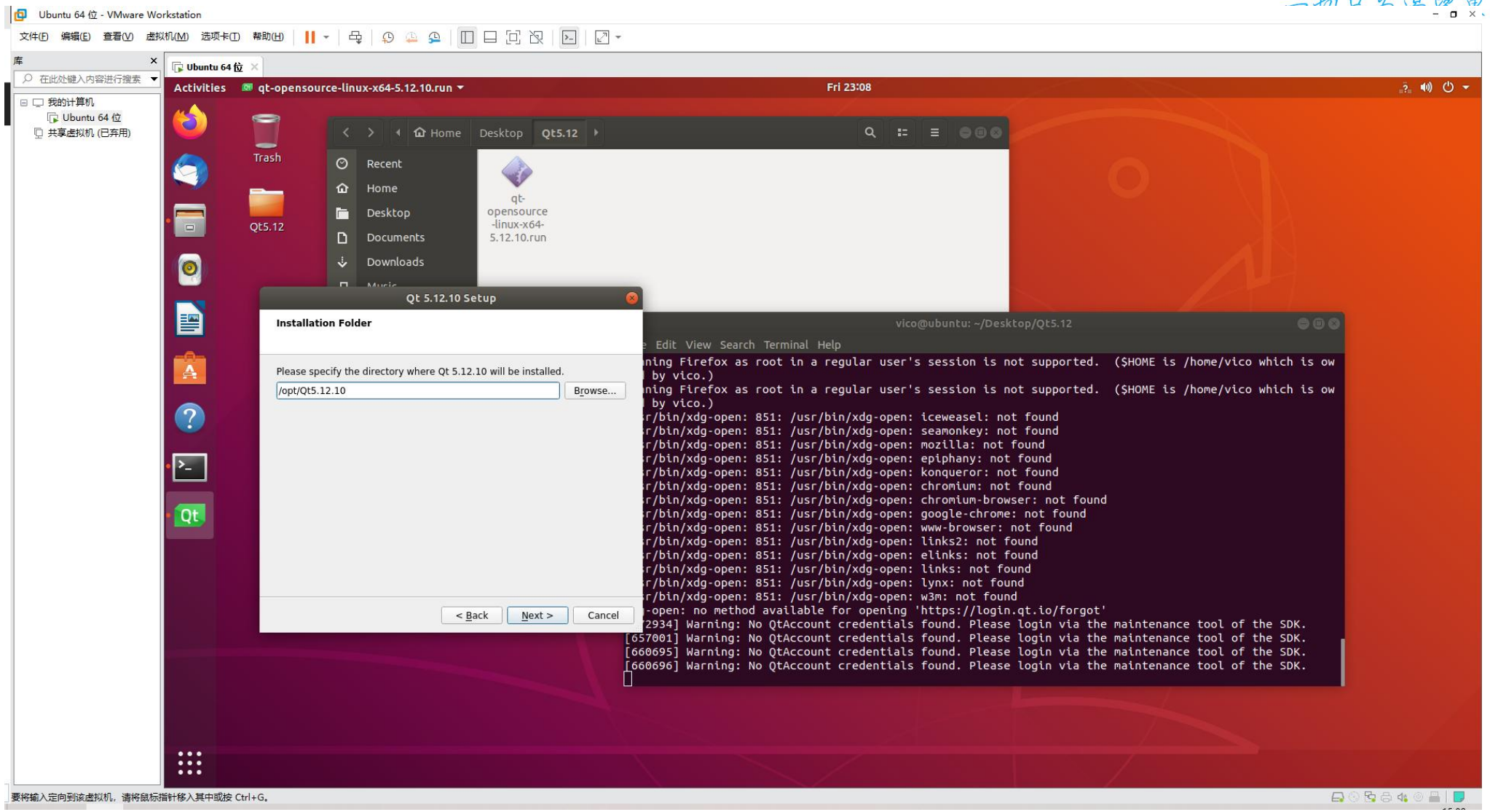
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Activities
qt-opensource-linux-x64-5.12.10.run
Fri 23:08
Trash
Qt5.12
Home
Desktop
Qt5.12
Recent
Home
Desktop
Documents
Downloads
qt-opensource-linux-x64-5.12.10.run
Qt 5.12.10 Setup
Installation Folder
Please specify the directory where Qt 5.12.10 will be installed.
/opt/Qt5.12.10
Browse...
< Back
Next >
Cancel
vico@ubuntu: ~/Desktop/Qt5.12
Edit View Search Terminal Help
ning Firefox as root in a regular user's session is not supported. ($HOME is /home/vico which is ow
by vico.)
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by vico.)
r/bin/xdg-open: 851: /usr/bin/xdg-open: iceweasel: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: seamonkey: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: mozilla: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: epiphany: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: konqueror: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: chromium: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: chromium-browser: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: google-chrome: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: www-browser: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: links2: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: elinks: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: links: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: lynx: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: w3m: not found
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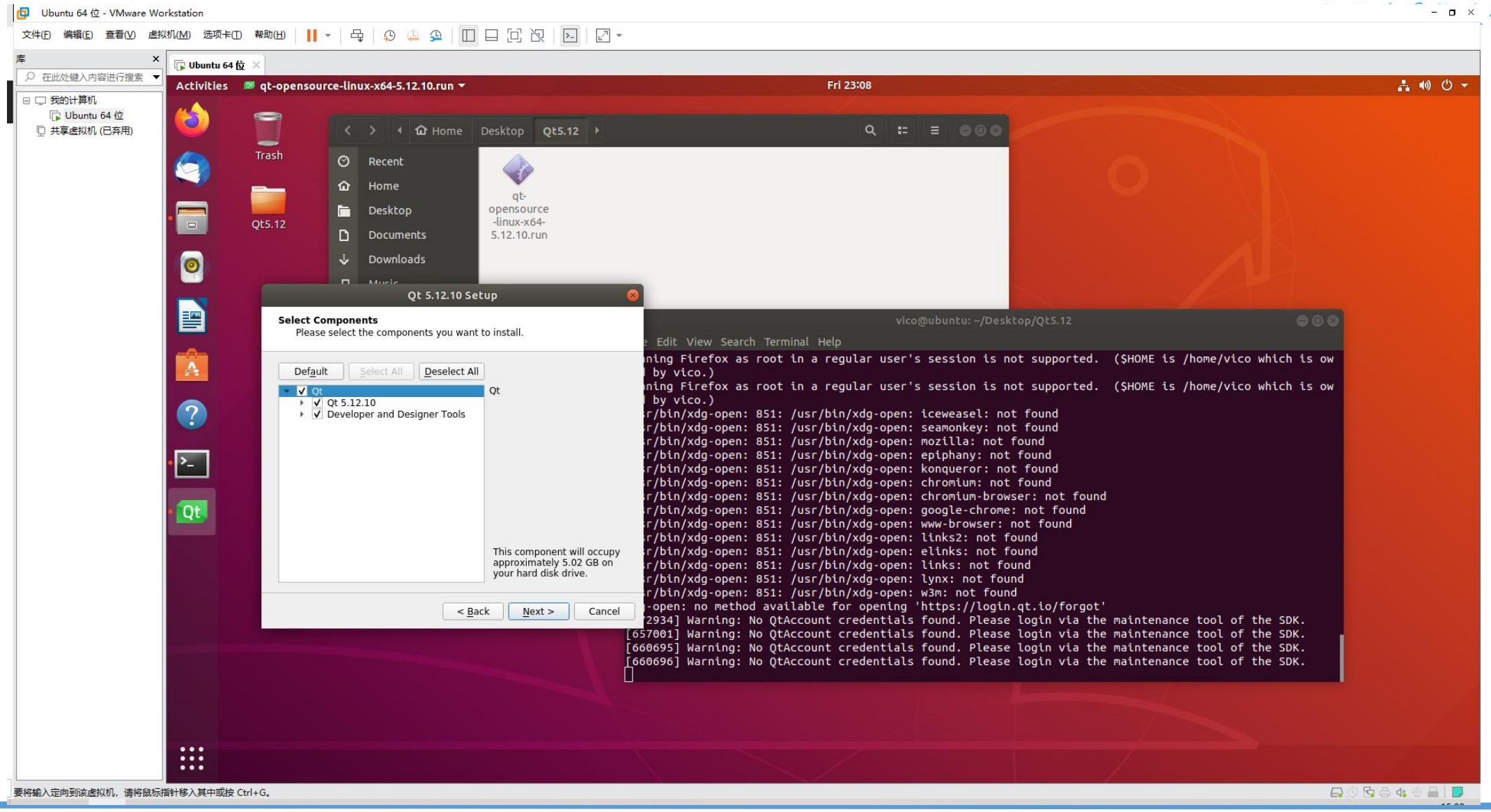
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Fri 23:08
Trash
Qt5.12
Home
Desktop
Qt5.12
Recent
Home
Desktop
Documents
Downloads
qt-opensource-linux-x64-5.12.10.run
Qt 5.12.10 Setup
Select Components
Please select the components you want to install.
Default
Select All
Deselect All
Qt
Qt 5.12.10
Developer and Designer Tools
Qt
This component will occupy approximately 5.02 GB on your hard disk drive.
< Back
Next >
Cancel
vico@ubuntu: ~/Desktop/Qt5.12
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r/bin/xdg-open: 851: /usr/bin/xdg-open: seamonkey: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: mozilla: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: epiphany: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: konqueror: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: chromium: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: chromium-browser: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: google-chrome: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: www-browser: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: links2: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: elinks: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: links: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: lynx: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: w3m: not found
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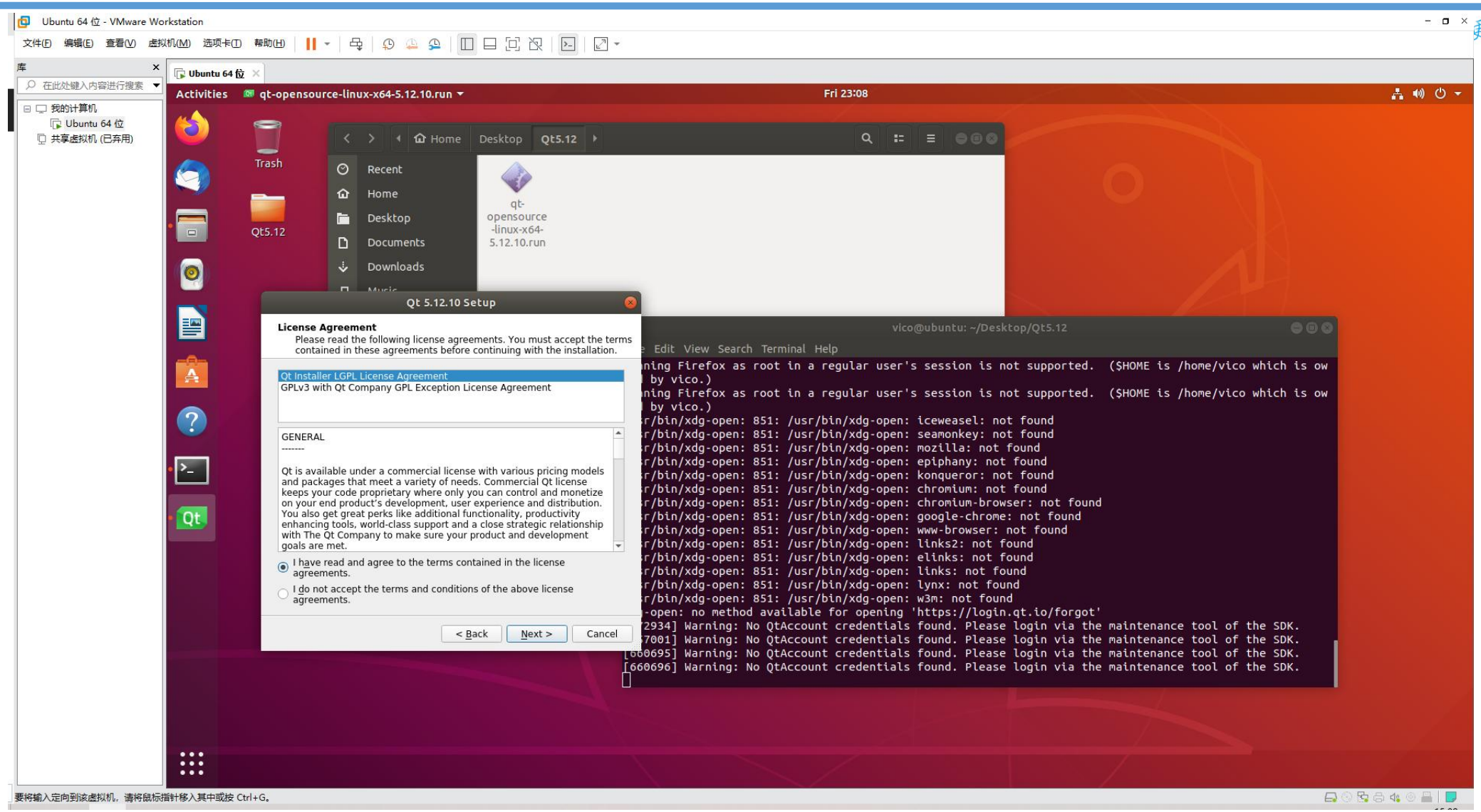
Ubuntu 64 位 - VMware Workstation
文件(F) 编辑(E) 查看(V) 虚拟机(M) 选项卡(T) 帮助(H)
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Activities
qt-opensource-linux-x64-5.12.10.run
Fri 23:08
Trash
Qt5.12
Home
Desktop
Qt5.12
Recent
Home
Desktop
Documents
Downloads
qt-opensource-linux-x64-5.12.10.run
Qt 5.12.10 Setup
License Agreement
Please read the following license agreements. You must accept the terms contained in these agreements before continuing with the installation.
Qt Installer LGPL License Agreement
GPLv3 with Qt Company GPL Exception License Agreement
GENERAL
Qt is available under a commercial license with various pricing models and packages that meet a variety of needs. Commercial Qt license keeps your code proprietary where only you can control and monetize on your end product's development, user experience and distribution. You also get great perks like additional functionality, productivity enhancing tools, world-class support and a close strategic relationship with The Qt Company to make sure your product and development goals are met.
I have read and agree to the terms contained in the license agreements.
I do not accept the terms and conditions of the above license agreements.
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Next >
Cancel
vico@ubuntu: ~/Desktop/Qt5.12
Edit View Search Terminal Help
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r/bin/xdg-open: 851: /usr/bin/xdg-open: iceweasel: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: seamonkey: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: mozilla: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: epiphany: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: konqueror: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: chromium: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: chromium-browser: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: google-chrome: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: www-browser: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: links2: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: elinks: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: links: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: lynx: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: w3m: not found
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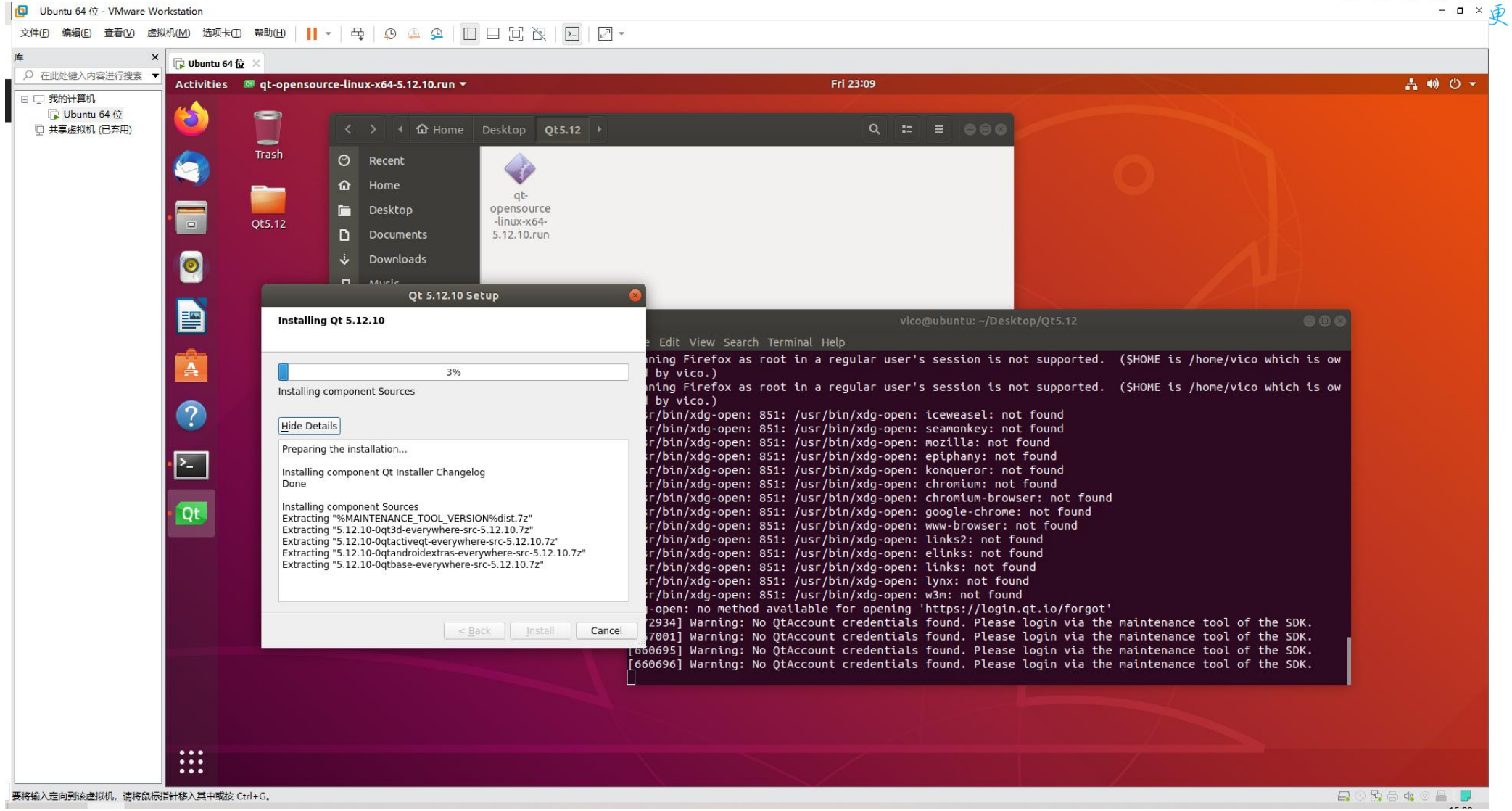
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文件(F) 编辑(E) 查看(V) 虚拟机(M) 选项卡(T) 帮助(H)
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Ubuntu 64 位
Activities
qt-opensource-linux-x64-5.12.10.run
Fri 23:09
Trash
Qt5.12
Home
Desktop
Qt5.12
Recent
Home
Desktop
Documents
Downloads
qt-opensource-linux-x64-5.12.10.run
Qt 5.12.10 Setup
Installing Qt 5.12.10
3%
Installing component Sources
Hide Details
Preparing the installation...
Installing component Qt Installer Changelog
Done
Installing component Sources
Extracting "%MAINTENANCE_TOOL_VERSION%dist.7z"
Extracting "5.12.10-0qt3d-everywhere-src-5.12.10.7z"
Extracting "5.12.10-0qtactiveqt-everywhere-src-5.12.10.7z"
Extracting "5.12.10-0qtandroidextras-everywhere-src-5.12.10.7z"
Extracting "5.12.10-0qtbase-everywhere-src-5.12.10.7z"
< Back
Install
Cancel
vico@ubuntu: ~/Desktop/Qt5.12
Edit View Search Terminal Help
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r/bin/xdg-open: 851: /usr/bin/xdg-open: iceweasel: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: seamonkey: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: mozilla: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: epiphany: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: konqueror: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: chromium: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: chromium-browser: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: google-chrome: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: www-browser: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: links2: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: elinks: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: links: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: lynx: not found
r/bin/xdg-open: 851: /usr/bin/xdg-open: w3m: not found
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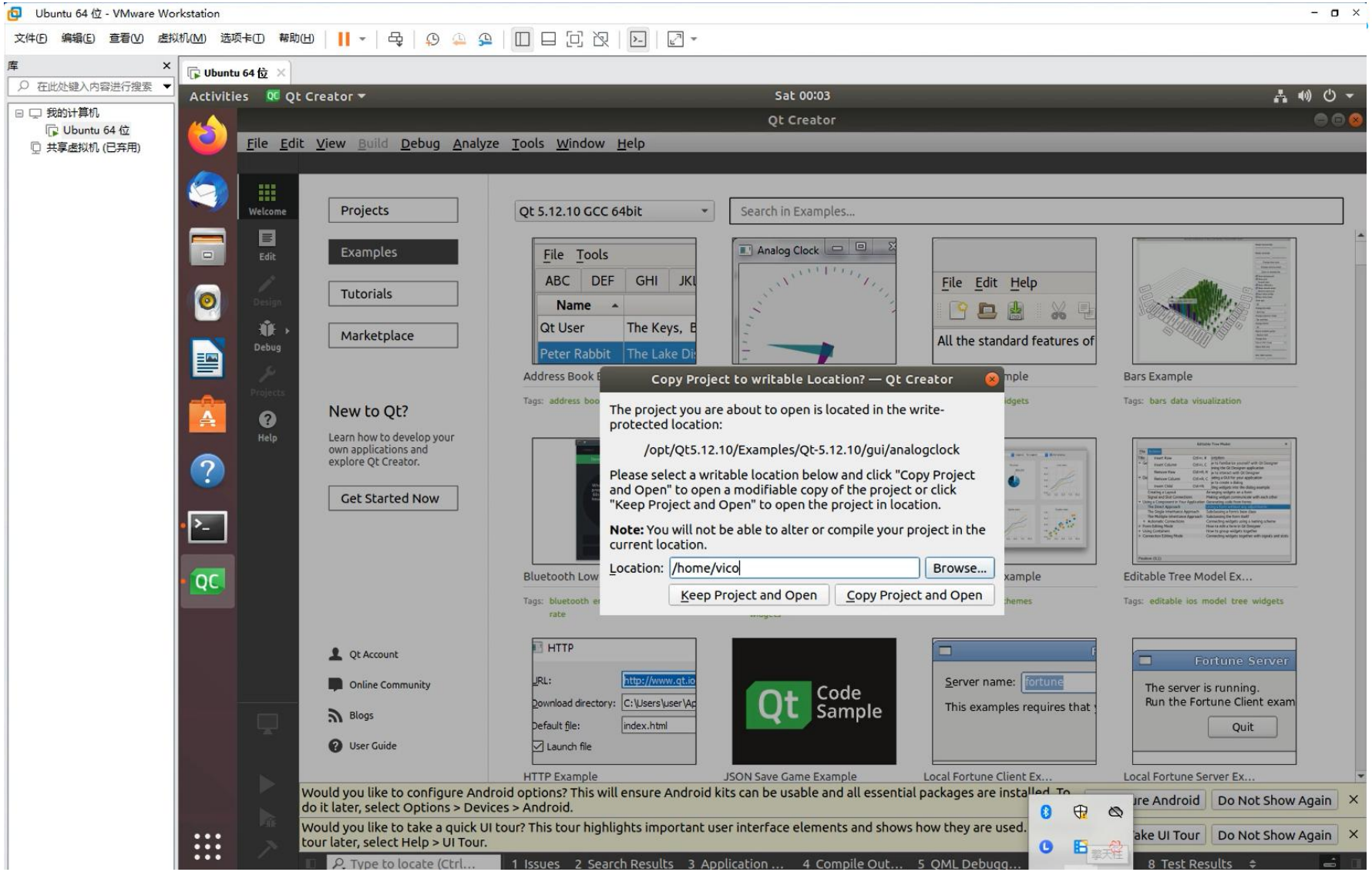
660695] Warning: No QtAccount credentials found. Please login via the maintenance tool of the SDK.
660696] Warning: No QtAccount credentials found. Please login via the maintenance tool of the SDK.
要将输入定向到该虚拟机，请将鼠标指针移入其中或按 Ctrl+G。

三、安装成功后-->启动


Ubuntu 64 位 - VMware Workstation
文件(F) 编辑(E) 查看(V) 虚拟机(M) 选项卡(T) 帮助(H)
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Ubuntu 64 位
Activities
Qt Creator
Sat 00:03
Qt Creator
File Edit View Build Debug Analyze Tools Window Help
Welcome
Edit
Design
Debug
Projects
Help
Projects
Examples
Tutorials
Marketplace
New to Qt?
Learn how to develop your own applications and explore Qt Creator.
Get Started Now
Qt Account
Online Community
Blogs
User Guide
Qt 5.12.10 GCC 64bit
Search in Examples...
Address Book
Analog Clock
Bars Example
Bluetooth Low
Editable Tree Model Ex...
HTTP Example
JSON Save Game Example
Local Fortune Client Ex...
Local Fortune Server Ex...
Copy Project to writable Location? — Qt Creator
The project you are about to open is located in the write-protected location:
/opt/Qt5.12.10/Examples/Qt-5.12.10/gui/analogclock
Please select a writable location below and click "Copy Project and Open" to open a modifiable copy of the project or click "Keep Project and Open" to open the project in location.
Note: You will not be able to alter or compile your project in the current location.
Location: /home/vico
Browse...
Keep Project and Open
Copy Project and Open
Would you like to configure Android options? This will ensure Android kits can be usable and all essential packages are installed. To do it later, select Options > Devices > Android.
Would you like to take a quick UI tour? This tour highlights important user interface elements and shows how they are used. To tour later, select Help > UI Tour.
Do Not Show Again
Do Not Show Again
Type to locate (Ctrl...
1 Issues
2 Search Results
3 Application ...
4 Compile Out...
5 QML Debugg...
8 Test Results

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