



### Introduction

This document shows how to turn an Ubuntu 18.04 Desktop O.S into a connection client in kiosk mode.

The change of this O.S to kiosk mode will allow to show a web browser to access a service (virtual desktop or application) published in UDS Enterprise when the computer is turned on.

The conversion process of this O.S to kiosk mode will be performed through a script developed and provided by the UDS Enterprise team.

The device must have internet access so that both the installation process of the O.S and the execution of the script are performed correctly.

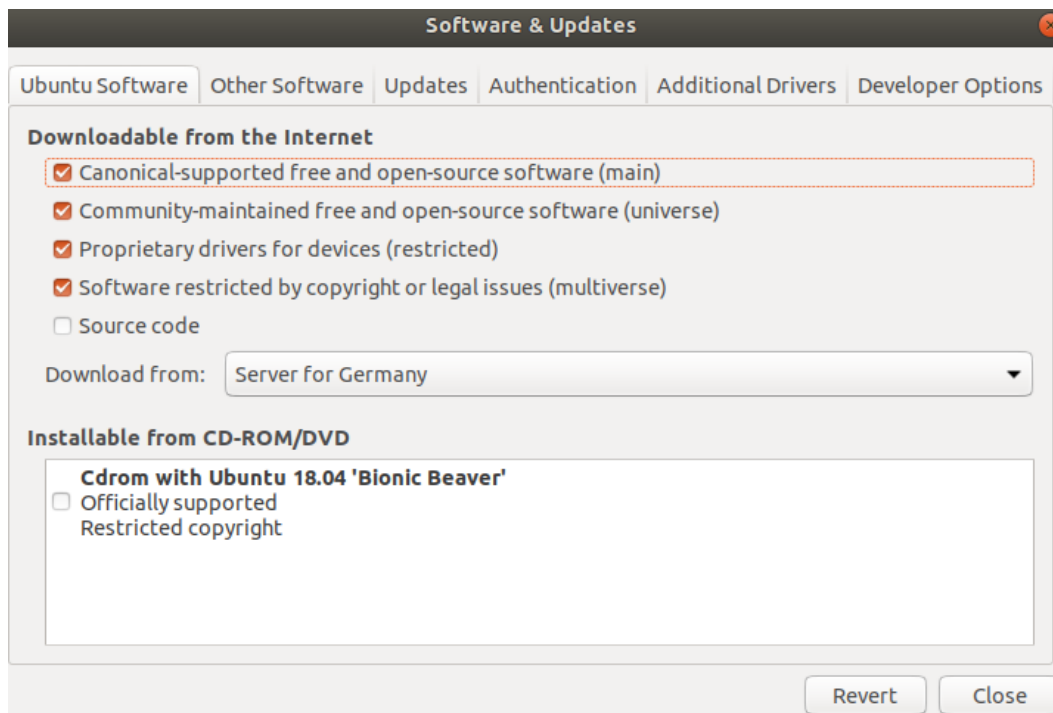


### Connection client: Ubuntu 18.04 desktop

On the (physical or virtual) computer that we are going to use as connection client to connect to the UDS Enterprise services (virtual desktops or applications) we must have the Ubuntu 18.04 Desktop O.S. installed.

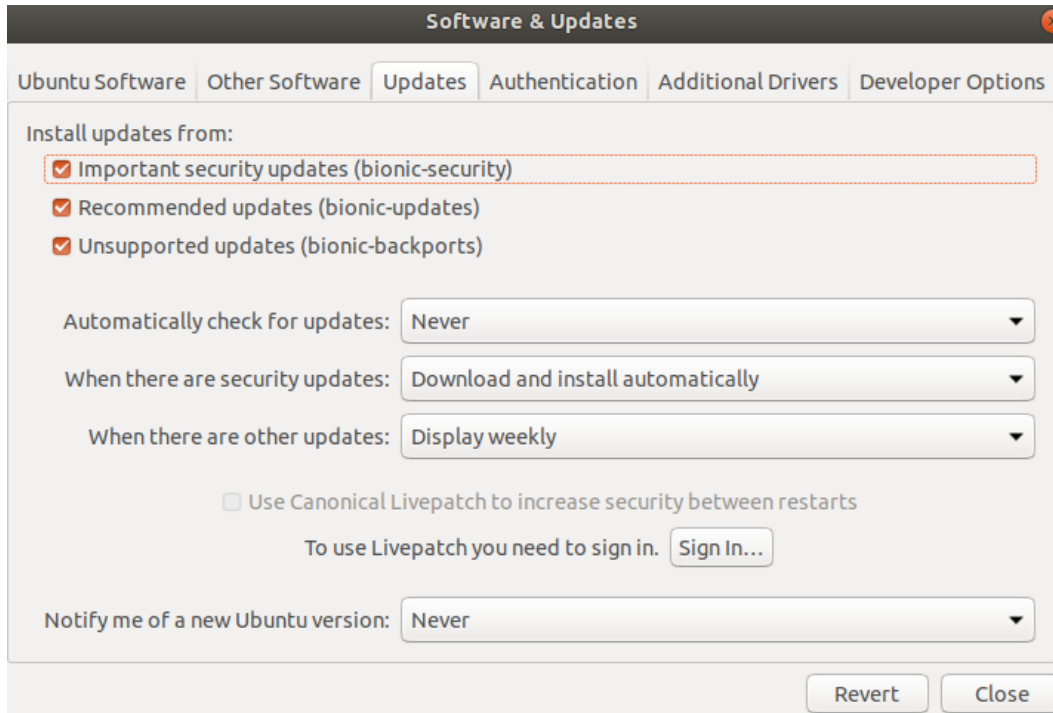
We will carry out a standard installation of this O.S. and, once finished, we will check the source repositories and updated settings:

- **Repositories:** It is important to use an updated and synchronized repository with the main repository. To avoid problems with broken dependencies, we recommend using the German repository:





- **Updates:** It is recommended to disable the automatic updates as shown in the following screenshot:



Once we have the Ubuntu 18.04 Desktop O.S. installed, we will download and execute the script for the conversion to kiosk mode.



### Conversion script execution

The script to convert an Ubuntu 18.04 Desktop O.S. to kiosk mode can be downloaded from the following [repository](#):



### Index of /files/Kiosk\_mode/Ubuntu18\_Desktop

<a href="#">Name</a>	<a href="#">Last modified</a>	<a href="#">Size</a>	<a href="#">Description</a>
<a href="#">Parent Directory</a>	-	-	-
<a href="#">kiosk.sh</a>	2019-03-26 13:34	2.1K	

The script can be edited to indicate a specific home page. In this way, the user will only have to enter his credentials to access the UDS Enterprise portal and once logged in, he can access his virtual desktops and applications.

This home page must be either the IP address or the name of the UDS Server (broker).

```
GNU nano 2.9.3 kiosk.sh
#
#xfce-mcs-manager &
/usr/bin/firefox "https://demo.udsenderprise.com" &
EOF

mv /etc/gdm3/custom.conf /etc/gdm3/custom-old.conf
cat > /etc/gdm3/custom.conf <<EOF
[daemon]
#WaylandEnable=false

# Enabling automatic login
AutomaticLoginEnable = true
```

**NOTE:** Once the script has been executed, it will also be possible to configure the home page directly from the web browser.



Once the script is downloaded and adapted to our needs, we execute it:

```
sudo bash Kiosk.sh
```

```
File Edit View Search Terminal Help
uds@ubuntu:~$ cd Downloads/
uds@ubuntu:~/Downloads$ ls -la
total 12
drwxr-xr-x  2 uds uds 4096 mar 26 18:23 .
drwxr-xr-x 16 uds uds 4096 mar 26 18:27 ..
-rw-rw-r--  1 uds uds 2142 mar 26 18:23 kiosk.sh
uds@ubuntu:~/Downloads$ sudo bash kiosk.sh
```

In addition to configure the Ubuntu OS in kiosk mode, the script will also install the UDS Client (UDS Plugin) and the client for RDP connections: FreeRDP version2.

```
Setting up libqtassistantclient4:amd64 (4.6.3-7build1) ...
Setting up python-cryptography (2.1.4-1ubuntu1.2) ...
Setting up python-paramiko (2.0.0-1ubuntu1.2) ...
Setting up libqt4-declarative:amd64 (4:4.8.7+dfsg-7ubuntu1) ...
Setting up libqtgui4:amd64 (4:4.8.7+dfsg-7ubuntu1) ...
Setting up qt-at-spi:amd64 (0.4.0-8) ...
Setting up libqt4-designer:amd64 (4:4.8.7+dfsg-7ubuntu1) ...
Setting up libqt4-help:amd64 (4:4.8.7+dfsg-7ubuntu1) ...
Setting up libqt4-svg:amd64 (4:4.8.7+dfsg-7ubuntu1) ...
Setting up libqt4-scripttools:amd64 (4:4.8.7+dfsg-7ubuntu1) ...
Setting up python-qt4 (4.12.1+dfsg-2) ...
Setting up udsclient (2.2.1) ...
Processing triggers for libc-bin (2.27-3ubuntu1) ...
uds@ubuntu:~/Downloads$ reboot
```

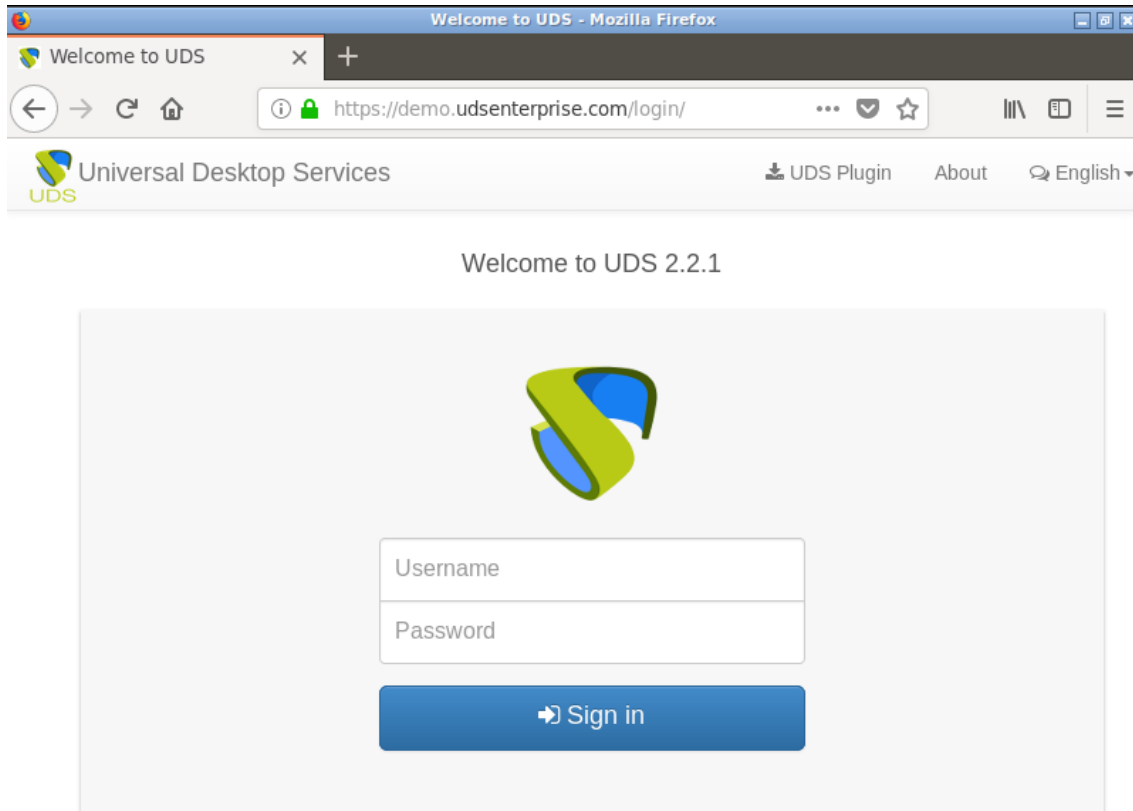
Once the process is finished, we will have the O.S. configured in kiosk mode and all the necessary UDS Enterprise components to connect to virtual desktops and applications.

Finally, we must restart the computer, so that the configuration we have performed is applied.



### Access Ubuntu kiosk mode

Once the script has been executed and the machine restarted, we will see that the system automatically authenticates us and displays a browser window with the home page indicated in the script.



**NOTE:** If no home page has been indicated in the script, it will appear the home page by default of the browser. A specific one can be setup from the configuration options of the browser.

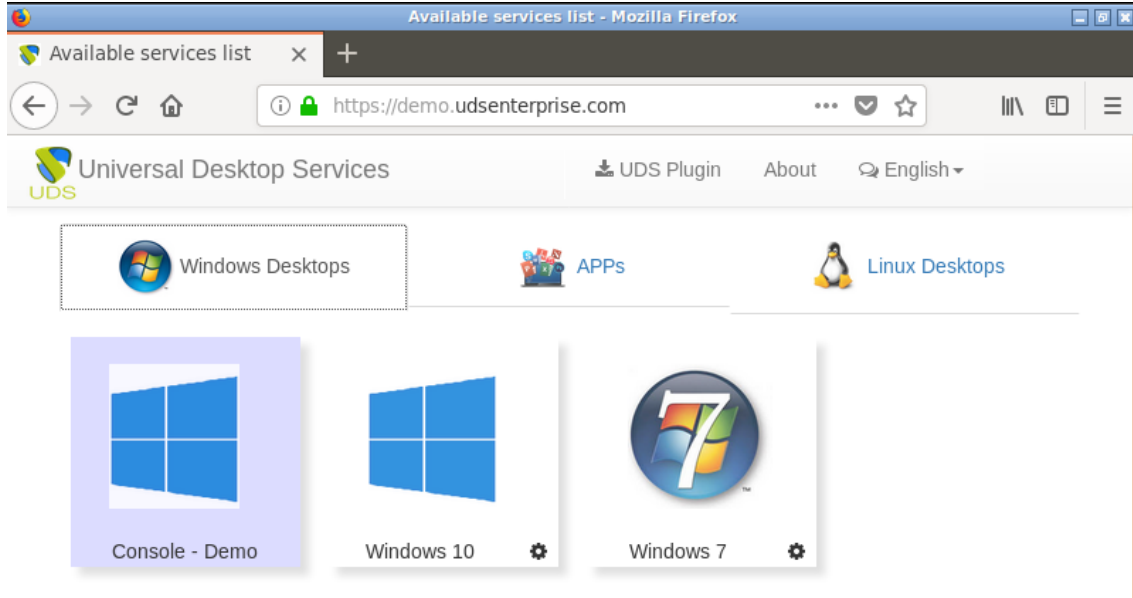


# UDS Enterprise

## Turning Ubuntu 18.04 Desktop into kiosk mode

www.udsenderprise.com

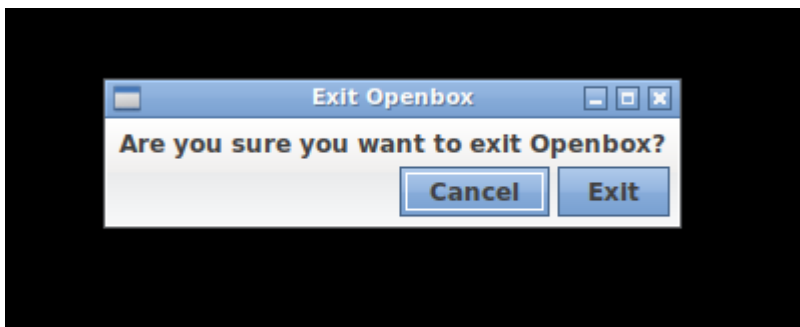
The user must validate with his login credentials in the UDS Enterprise portal and, from there, he can access his services.



If a user closes or minimizes the browser, it can be recovered by clicking the right mouse button on the desktop and selecting "Web browser".



If we need to access the "standard" Ubuntu O.S., we can do it by closing the browser and clicking the right mouse button on the desktop and selecting "Exit".



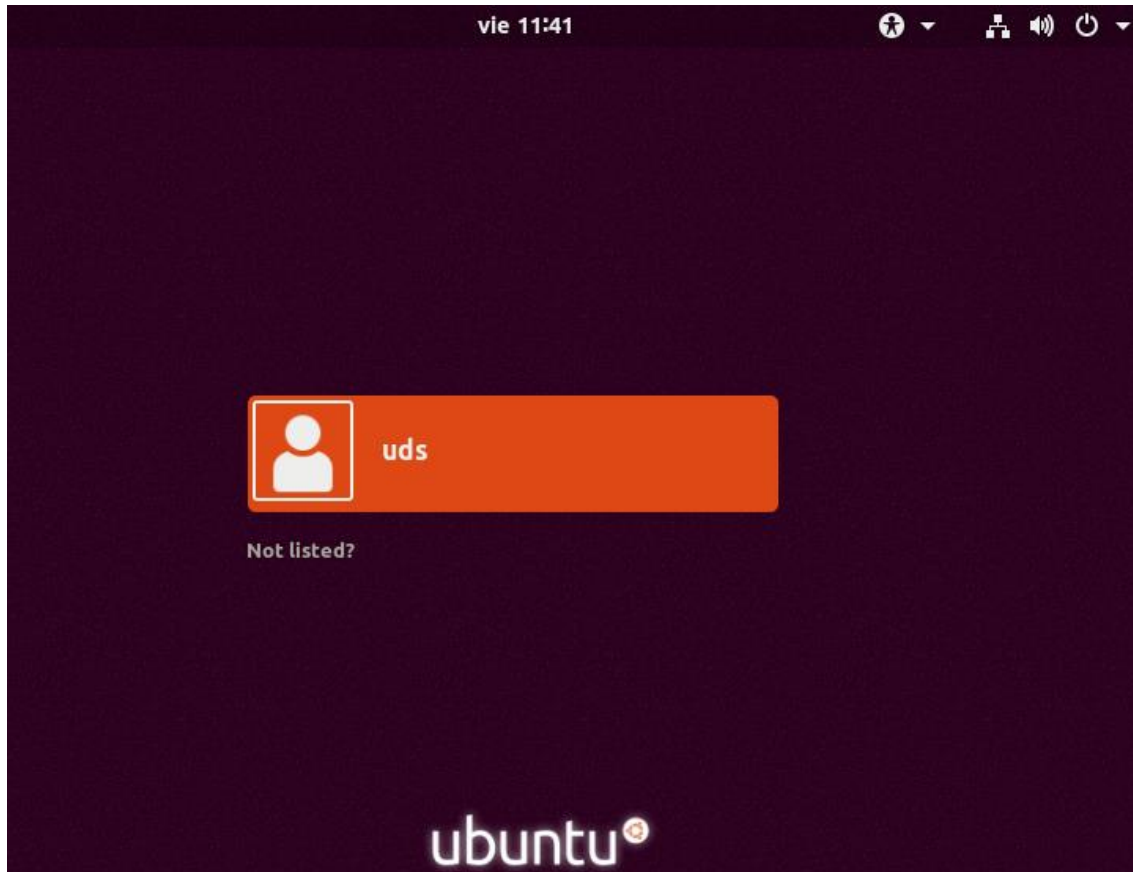


# UDS Enterprise

## Turning Ubuntu 18.04 Desktop into kiosk mode

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We'll be asked if we want to leave the Openbox session and we will see that now it allows us to access Ubuntu 18 in the usual way (with the Gnome window manager, set by default in Ubuntu 18).







# UDS Enterprise

Turning Ubuntu 18.04 Desktop into kiosk mode

[www.udsenderprise.com](http://www.udsenderprise.com)

## About VirtualCable

VirtualCable develops, supports and markets UDS Enterprise through a subscription model, including support and updates, depending on the number of users.

In addition, VirtualCable offers professional services to install and configure UDS Enterprise.

For more information, visit [www.udsenderprise.com](http://www.udsenderprise.com) or email us at [info@udsenderprise.com](mailto:info@udsenderprise.com)