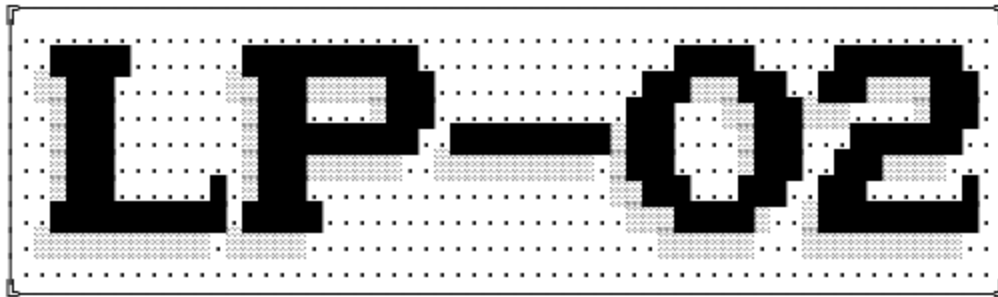
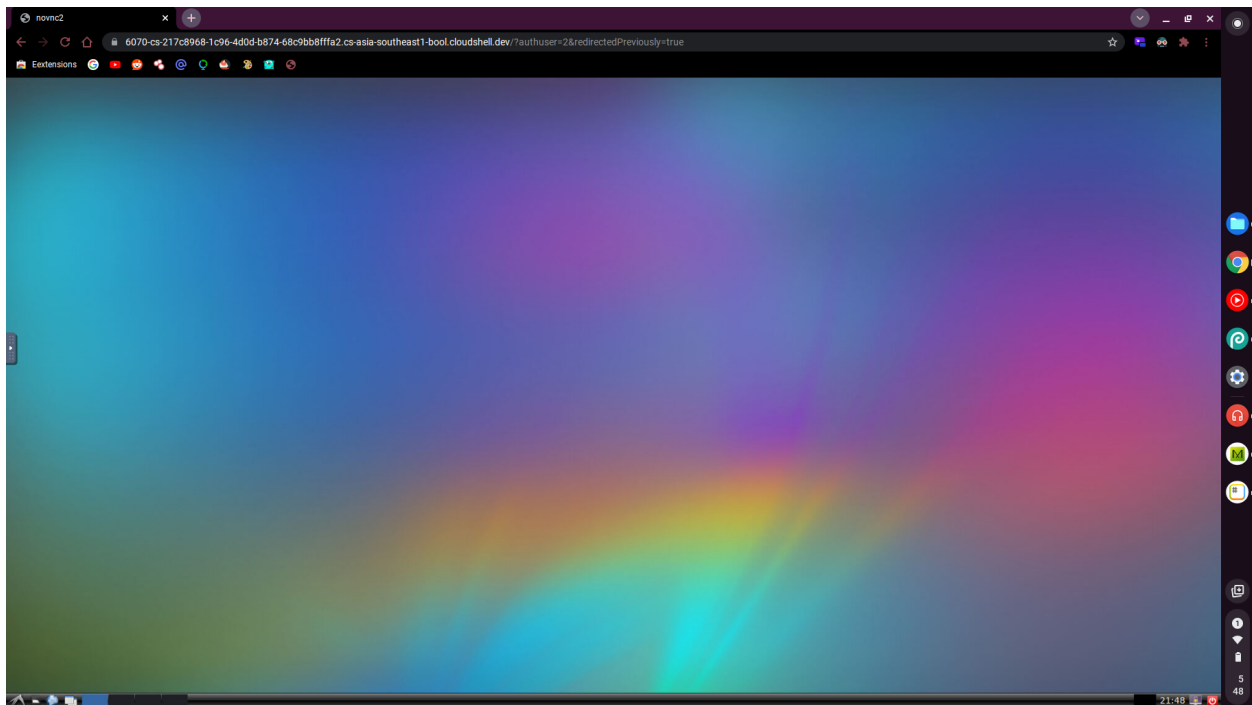




# VNC Google Cloudshell



## CLOUDSHELL VNC EXPLOIT



### ABOUT PROJECT

`docker-ubuntu-vnc-desktop` is a Docker image to provide web VNC interface to access Ubuntu LXDE/LxQT desktop environment.

# VIDEO TUTORIAL

<https://www.youtube.com/watch?v=OBYzgRHsKw0>

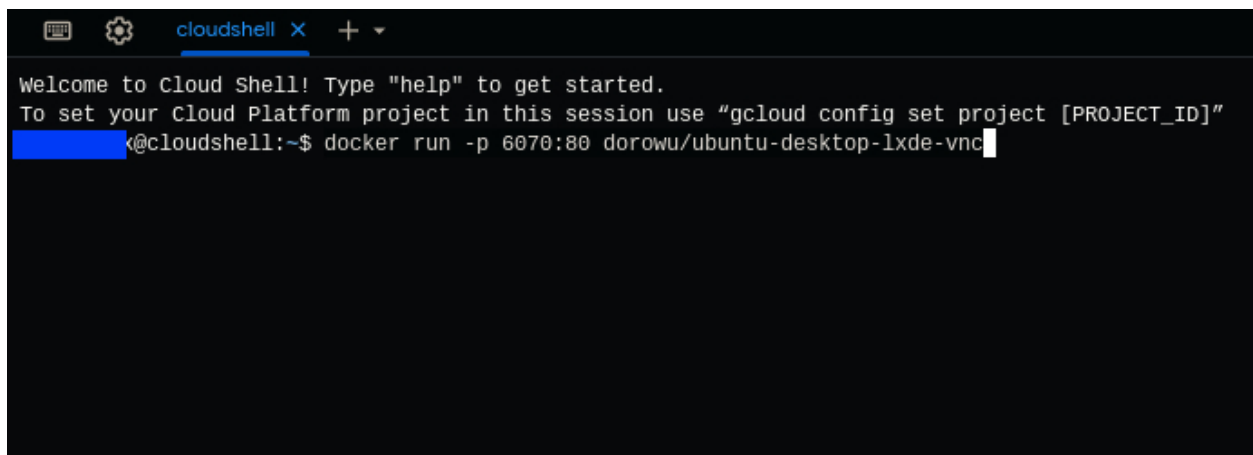
## ubuntu FLAVORS

*Choose your favorite Ubuntu version with tags*

- focal: Ubuntu 20.04 (latest)
- focal-lxqt: Ubuntu 20.04 LXQt
- bionic: Ubuntu 18.04
- bionic-lxqt: Ubuntu 18.04 LXQt
- xenial: Ubuntu 16.04 (deprecated)
- trusty: Ubuntu 14.04 (deprecated)

## GET STARTED

Open Google Cloudshell

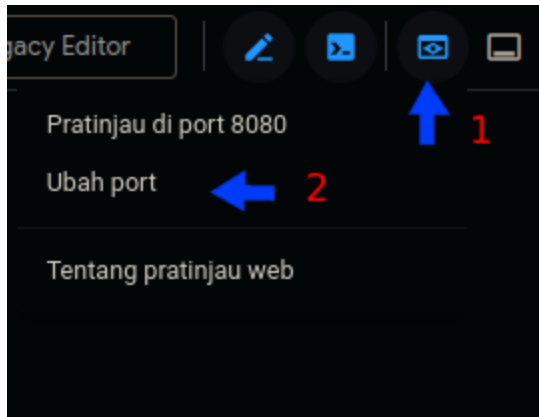
A screenshot of the Google Cloud Shell interface. The top bar shows a keyboard icon, a settings gear, and a tab labeled 'cloudshell' with a close button and a plus sign. The terminal window displays the following text: 'Welcome to Cloud Shell! Type "help" to get started.' followed by 'To set your Cloud Platform project in this session use "gcloud config set project [PROJECT\_ID]"'. Below this, the prompt 'x@cloudshell:~\$' is shown, followed by the command 'docker run -p 6070:80 dorowu/ubuntu-desktop-lxde-vnc' which has been executed, as indicated by a white cursor at the end of the line.

```
cloudshell X +  
Welcome to Cloud Shell! Type "help" to get started.  
To set your Cloud Platform project in this session use "gcloud config set project [PROJECT_ID]"  
x@cloudshell:~$ docker run -p 6070:80 dorowu/ubuntu-desktop-lxde-vnc
```

## RUN COMMANDS BELOW

```
docker run -p 6070:80 dorowu/ubuntu-desktop-lxde-vnc
```

## CHANGE PORT : 6070



## DOCKER COMMANDS

```
docker run -d -t --name [hub name] [new name]
docker exec -it [new name] [exp: sh]
```

## SYSTEM UPDATE & INSTALL TOOLS

```
sudo su
apt-get update -y
apt-get upgrade -y
```

## APT UPDATE ERROR

```
sudo apt-key adv --keyserver hkp://keyserver.ubuntu.com:80 --recv-keys
```

## INSTALL UBUNTU PRODUCTIVITY SOFTWARE

```
apt install ubuntu-gnome-desktop
```

## **DO UBUNTU RELEASE UPGRADE** | *optional*

```
do-release-upgrade
```

## **UBUNTU SOFTWARE CENTER**

```
apt install gnome-software
```



## **SOUND PREVIEW VERSION AND LINUX ONLY**

It only works in Linux. First of all, insert kernel module snd-aloop and specify 2 as the index of sound loop device

```
sudo modprobe snd-aloop index=2
```

Start the container

```
docker run -it --rm -p 6080:80 --device /dev/snd -e ALSADEV=hw:2
```

where `--device /dev/snd -e ALSADEV=hw:2,0` means to grant sound device to container and set basic ALSA config to use card 2.

Launch a browser with URL <http://127.0.0.1:6080/#!/?video>, where video means to start with video mode. Now you can start Chromium in start menu (Internet -> Chromium Web Browser Sound) and try to play some video.

Following is the screen capture of these operations. Turn on your sound at the end of video!



## WARNING: Deprecated

Dockerfile and configuration can be generated by template.

- arch: one of `amd64` or `armhf`
- flavor: refer to file in `flavor/flavor.yml`
- image: base image
- desktop: desktop environment which is set in flavor
- `addon_package`: Debian package to be installed which is set in flavor

Dockerfile and configuration are re-generate if they do not exist. Or you may force to re-generate by removing them with the command `make clean`.

## ① Troubleshooting and FAQ

1. boot2docker connection issue 👉 [HERE](#)
2. Multi-language supports 👉 [HERE](#)
3. Autostart 👉 [HERE](#)
4. x11vnc arguments (multipttr) 👉 [HERE](#)

5. firefox/chrome crash `/dev/shm` 🙌 [HERE](#)

6. resize display size without destroying container 🙌 [HERE](#)

## </> SOURCE CODE



Website	Link
<b>Docker</b>	<a href="https://hub.docker.com/r/dorowu/ubuntu-desktop-lxde-vnc">https://hub.docker.com/r/dorowu/ubuntu-desktop-lxde-vnc</a>
<b>Github</b>	<a href="https://github.com/fcwu/docker-ubuntu-vnc-desktop">https://github.com/fcwu/docker-ubuntu-vnc-desktop</a>

**LP-02** | [REPO](#) - *Documents from. December 2023*