WIN10 下创建 Ubuntu18.04 子系统及安装图形界面
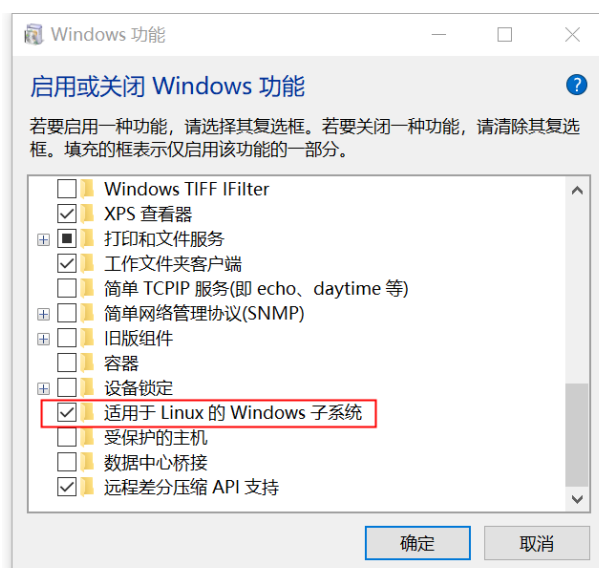
一.开启 WIN10 子系统 WSL

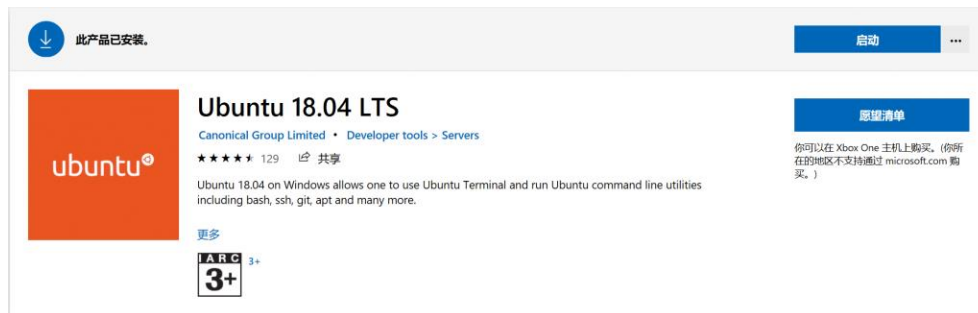### 1.设置开发人员工作模式

设置——>更新和安全——>针对开发人员——>开发人员模式

2.启用 WINDOWS 子系统功能

控制面板——>程序——>程序和功能——>启用或关闭 Windows 功能——>适用于 Linux 的 Windows 子系统——>确定 （然后重启）

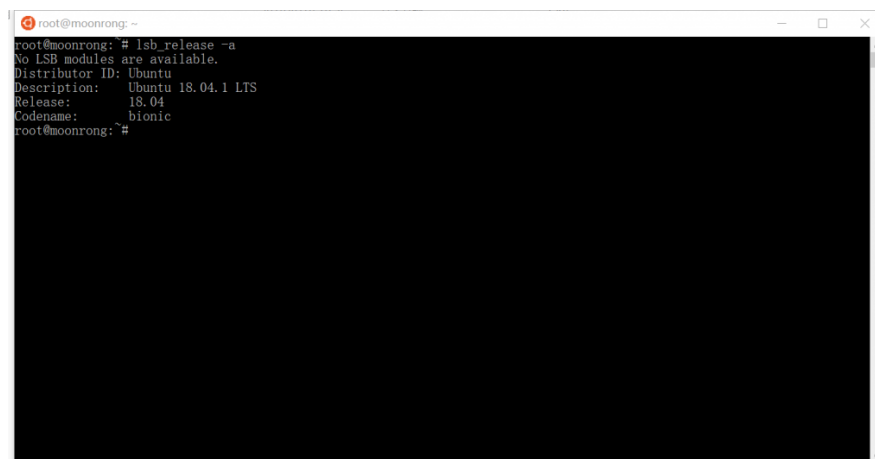## 二、在应用商店里安装 ubuntu

打开微软件应用商店，搜索 ubuntu，然后安装

安装完成后，子系统放在这里：

三·进入子系统并查看当前版本信息

root@moonrong:~# lsb_release -a

1. No LSB modules are available.

2. Distributor ID: Ubuntu

3. Description:　Ubuntu 18.04.1 LTS

4. Release:　　18.04

5. Codename:　　bionic

6. root@moonrong:~#

四.修改默认源为阿里云镜像并更新

1.确认默认源并查看

1. root@moonrong:~# cat /etc/apt/sources.list

2. # See http://help.ubuntu.com/community/UpgradeNotes for how to upgrade to

3. # newer versions of the distribution.

4. deb http://archive.ubuntu.com/ubuntu/ bionic main restricted

5. # deb-src http://archive.ubuntu.com/ubuntu/ bionic main restricted

6. ## Major bug fix updates produced after the final release of the

7. ## distribution.

8. deb http://archive.ubuntu.com/ubuntu/ bionic-updates main restricted

9. # deb-src http://archive.ubuntu.com/ubuntu/ bionic-updates main restricted

10. ## N.B. software from this repository is ENTIRELY UNSUPPORTED by the Ubuntu

11. ## team. Also, please note that software in universe WILL NOT receive any

12. ## review or updates from the Ubuntu security team.

13. deb http://archive.ubuntu.com/ubuntu/ bionic universe

14. # deb-src http://archive.ubuntu.com/ubuntu/ bionic universe

15. deb http://archive.ubuntu.com/ubuntu/ bionic-updates universe

16. # deb-src http://archive.ubuntu.com/ubuntu/ bionic-updates universe

17. ## N.B. software from this repository is ENTIRELY UNSUPPORTED by the Ubuntu

18. ## team, and may not be under a free licence. Please satisfy yourself as to

19. ## your rights to use the software. Also, please note that software in

20. ## multiverse WILL NOT receive any review or updates from the Ubuntu

21. ## security team.

22. deb http://archive.ubuntu.com/ubuntu/ bionic multiverse

23. # deb-src http://archive.ubuntu.com/ubuntu/ bionic multiverse

24. deb http://archive.ubuntu.com/ubuntu/ bionic-updates multiverse

25. # deb-src http://archive.ubuntu.com/ubuntu/ bionic-updates multiverse

26. ## N.B. software from this repository may not have been tested as

27. ## extensively as that contained in the main release, although it includes

28. ## newer versions of some applications which may provide useful features.

29. ## Also, please note that software in backports WILL NOT receive any review

30. ## or updates from the Ubuntu security team.

31. deb http://archive.ubuntu.com/ubuntu/ bionic-
    backports main restricted universe multiverse

32. # deb-src http://archive.ubuntu.com/ubuntu/ bionic-
    backports main restricted universe multiverse

33. ## Uncomment the following two lines to add software from Canonical's

34. ## 'partner' repository.

35. ## This software is not part of Ubuntu, but is offered by Canonical and the

36. ## respective vendors as a service to Ubuntu users.

37. # deb http://archive.canonical.com/ubuntu bionic partner

38. # deb-src http://archive.canonical.com/ubuntu bionic partner

39. deb http://security.ubuntu.com/ubuntu/ bionic-security main restricted

40. # deb-src http://security.ubuntu.com/ubuntu/ bionic-security main restricted

41. deb http://security.ubuntu.com/ubuntu/ bionic-security universe

42. # deb-src http://security.ubuntu.com/ubuntu/ bionic-security universe

43. deb http://security.ubuntu.com/ubuntu/ bionic-security multiverse

44. # deb-src http://security.ubuntu.com/ubuntu/ bionic-security multiverse

45. root@moonrong:~#

2.修改默认源

1）备份原配置文件

1. root@moonrong:~# cp /etc/apt/sources.list /etc/apt/sources.list.mybak20190227

2. root@moonrong:~#

2）修改源为阿里云镜像

用 VIM 进行替换

1. root@moonrong:~# vim /etc/apt/sources.list

2. root@moonrong:~#

3. :%s/security.ubuntu/mirrors.aliyun/g

4. :%s/archive.ubuntu/mirrors.aliyun/g

3.更新

1. root@moonrong:~# apt update

2. Get:1 http://mirrors.aliyun.com/ubuntu xenial InRelease [247 kB]

3. Get:2 http://mirrors.aliyun.com/ubuntu xenial-updates InRelease [109 kB]

4. Get:3 http://mirrors.aliyun.com/ubuntu xenial-security InRelease [109 kB]

5. Get:4 http://mirrors.aliyun.com/ubuntu xenial/main amd64 Packages [1,201 kB]

6. Get:5 http://mirrors.aliyun.com/ubuntu xenial/main Translation-en [568 kB]

7. Get:6 http://mirrors.aliyun.com/ubuntu xenial/restricted amd64 Packages [8,344 B]

8. Get:7 http://mirrors.aliyun.com/ubuntu xenial/restricted Translation-en [2,908 B]

9. Get:8 http://mirrors.aliyun.com/ubuntu xenial/universe amd64 Packages [7,532 kB]

10. Get:9 http://mirrors.aliyun.com/ubuntu xenial/universe Translation-en [4,354 kB]

11. Get:10 http://mirrors.aliyun.com/ubuntu xenial/multiverse amd64 Packages [144 kB]

12. Get:11 http://mirrors.aliyun.com/ubuntu xenial/multiverse Translation-en [106 kB]

13. Get:12 http://mirrors.aliyun.com/ubuntu xenial-updates/main amd64 Packages [913 kB]

14. Get:13 http://mirrors.aliyun.com/ubuntu xenial-updates/main Translation-en [368 kB]

15. Get:14 http://mirrors.aliyun.com/ubuntu xenial-updates/restricted amd64 Packages [7,556 B]

16. Get:15 http://mirrors.aliyun.com/ubuntu xenial-updates/restricted Translation-en [2,272 B]

17. Get:16 http://mirrors.aliyun.com/ubuntu xenial-updates/universe amd64 Packages [732 kB]

18. Get:17 http://mirrors.aliyun.com/ubuntu xenial-updates/universe Translation-en [302 kB]

19. Get:18 http://mirrors.aliyun.com/ubuntu xenial-updates/multiverse amd64 Packages [16.6 kB]

20. Get:19 http://mirrors.aliyun.com/ubuntu xenial-updates/multiverse Translation-en [8,440 B]

21. Get:20 http://mirrors.aliyun.com/ubuntu xenial-security/main amd64 Packages [615 kB]

22. Get:21 http://mirrors.aliyun.com/ubuntu xenial-security/main Translation-en [254 kB]

23. Get:22 http://mirrors.aliyun.com/ubuntu xenial-security/restricted amd64 Packages [7,204 B]

24. Get:23 http://mirrors.aliyun.com/ubuntu xenial-security/restricted Translation-en [2,152 B]

25. Get:24 http://mirrors.aliyun.com/ubuntu xenial-security/universe amd64 Packages [425 kB]

26. Get:25 http://mirrors.aliyun.com/ubuntu xenial-security/universe Translation-en [171 kB]

27. Get:26 http://mirrors.aliyun.com/ubuntu xenial-security/multiverse amd64 Packages [5,600 B]

28. Get:27 http://mirrors.aliyun.com/ubuntu xenial-security/multiverse Translation-en [2,676 B]

29. Fetched 18.2 MB **in** 10s (1,802 kB/s)

30. Reading package lists... Done

31. Building dependency tree

32. Reading state information... Done

33. 208 packages can be upgraded. Run 'apt list --upgradable' to see them.
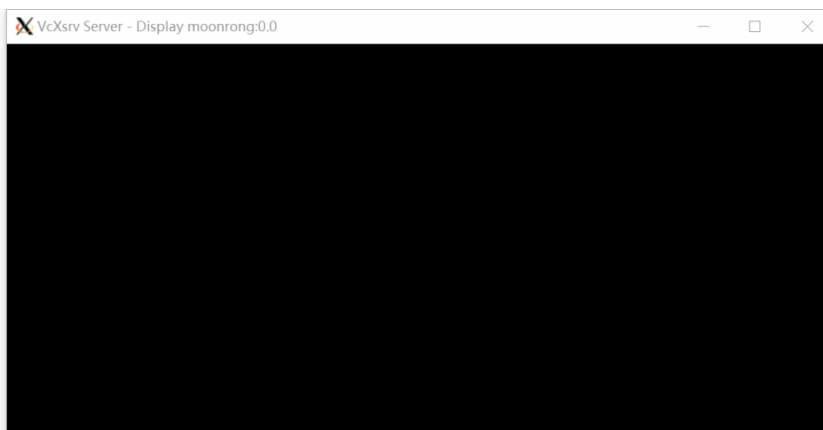
34. root@moonrong:~#

五·安装图形界面相关软件及配置过程

1.安装 VcSrv

下载 VcSrv 并在 WIN10 上安装　https://sourceforge.net/projects/vcxsrv/
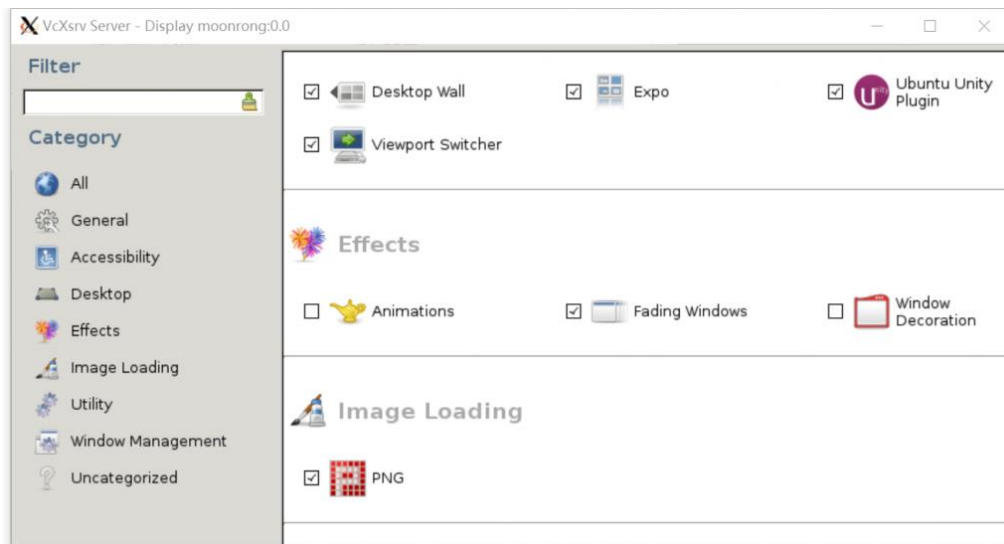
安装完成后启动 Xlaunch
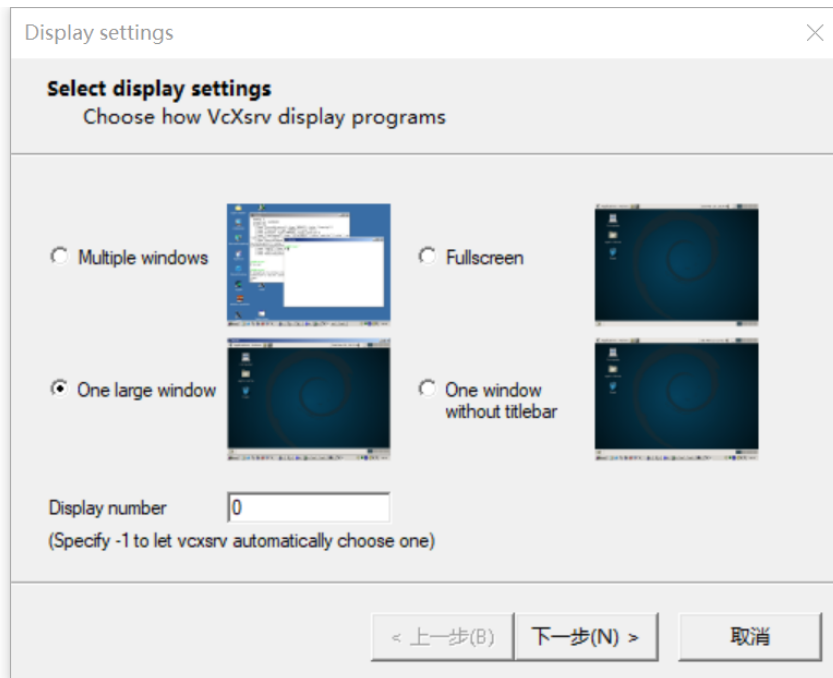
按上图完成设置，并一直按下一步直到出现下图界面
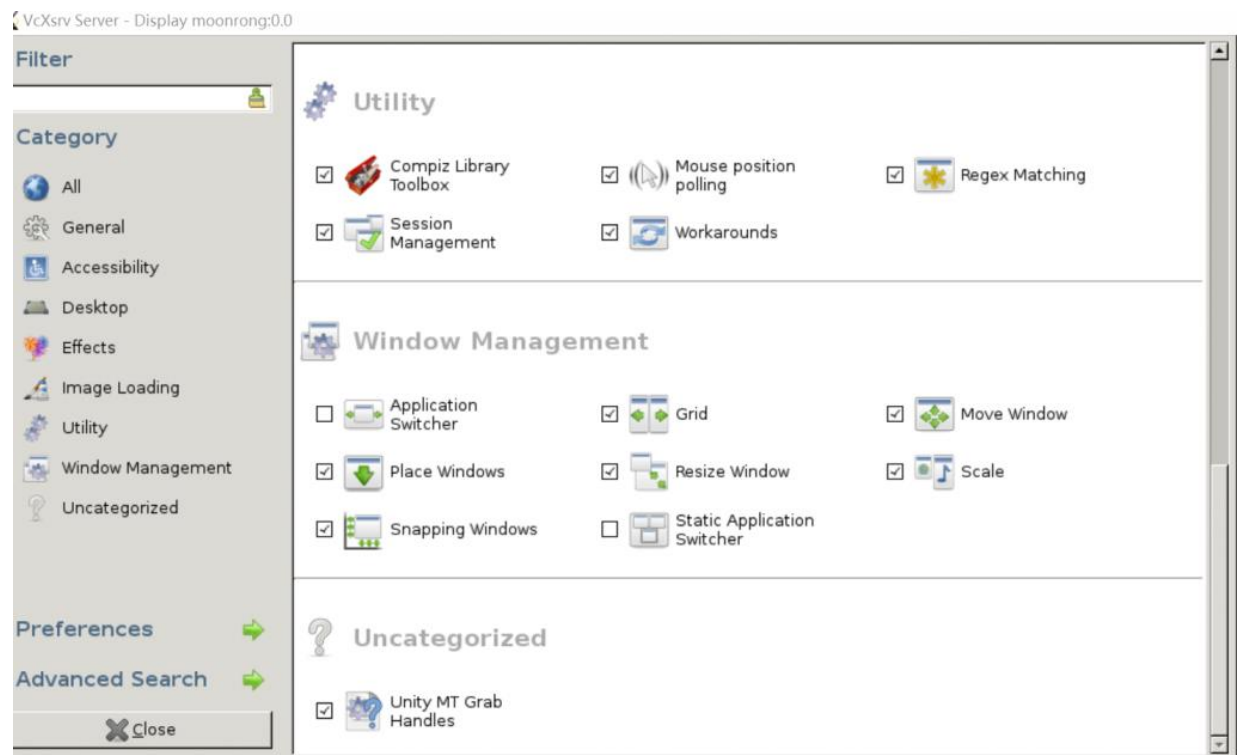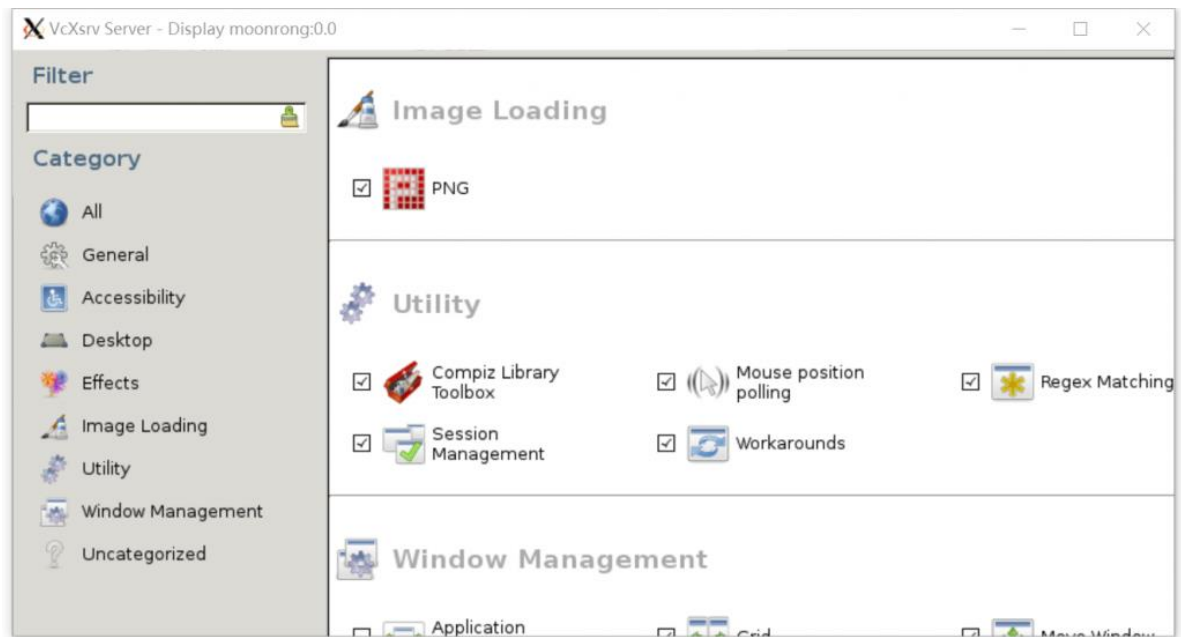
2 安装 ubuntu-desktop,unity,ccsm

1. root@moonrong:~#apt-get install ubuntu-desktop unity compizconfig-settings-manager

   3.配置 ccsm

   在 XLaunch 启动的情况下输入

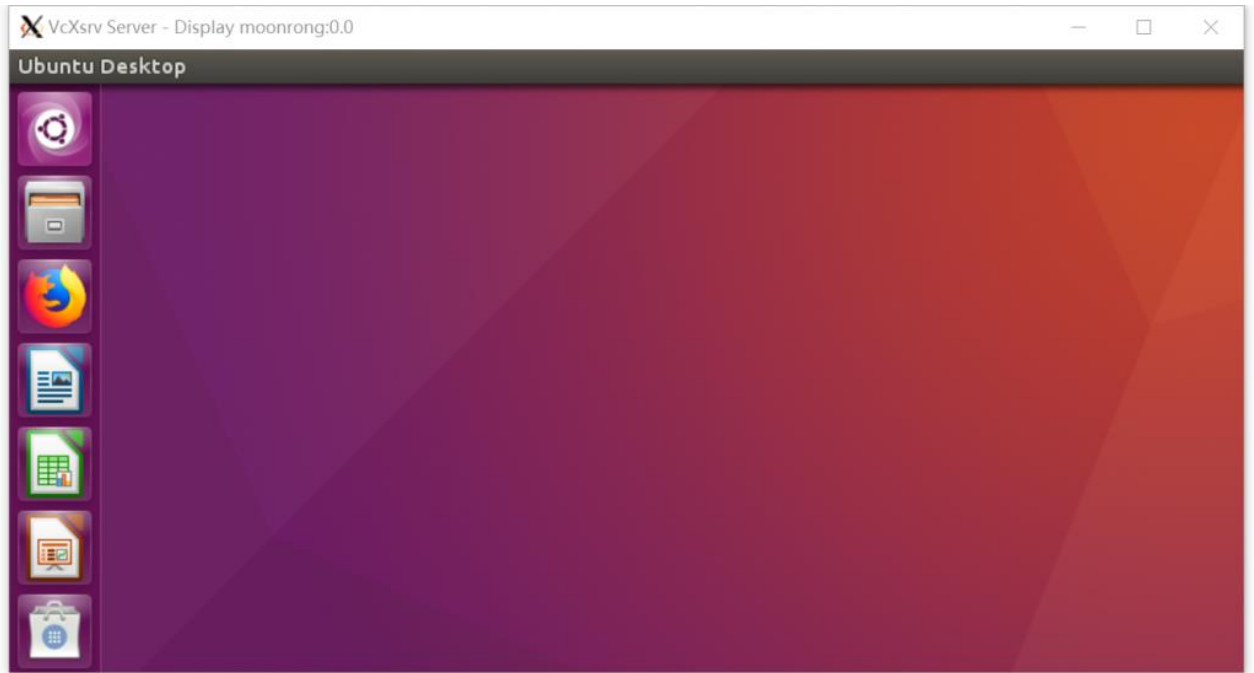1. root@moonrong:~# export DISPLAY=localhost:0

2. root@moonrong:~# ccsm
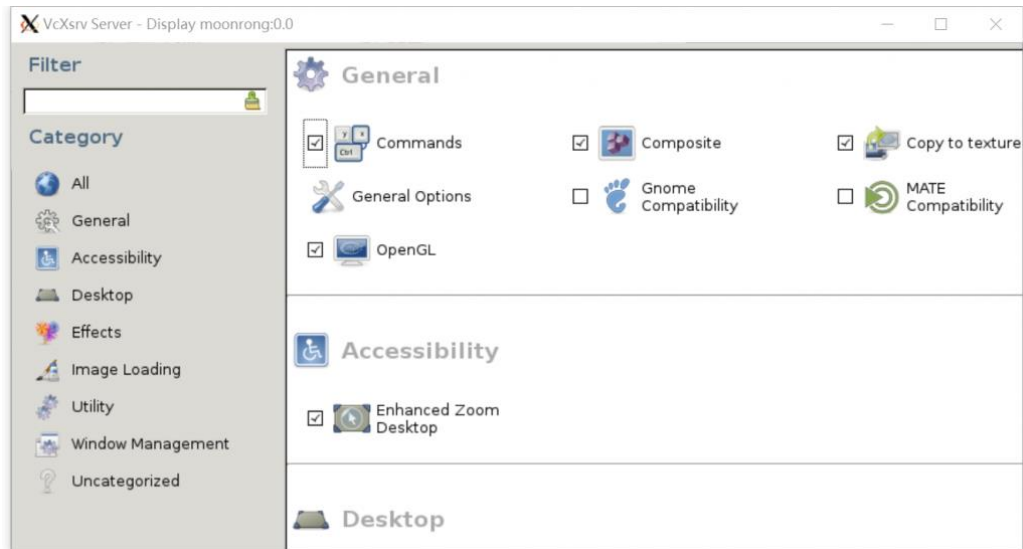
配置完成后点击 close 关闭

4.开启桌面

root@moonrong:~#compiz

最终启动完成，WIN10 下界面如上图所示。

六·如何重启 windows 10 子系统（WSL)ubuntu

WSL 子系统是基于 LxssManager 服务运行的

在 WIN10 的 CMD 命令下输入下面命令完成重启

net stop LxssManager

net start LxssManager

[WIN10 下创建 Ubuntu18.04 子系统及安装图形界面 - 云+社区 - 腾讯云 (tencent.com)](#)