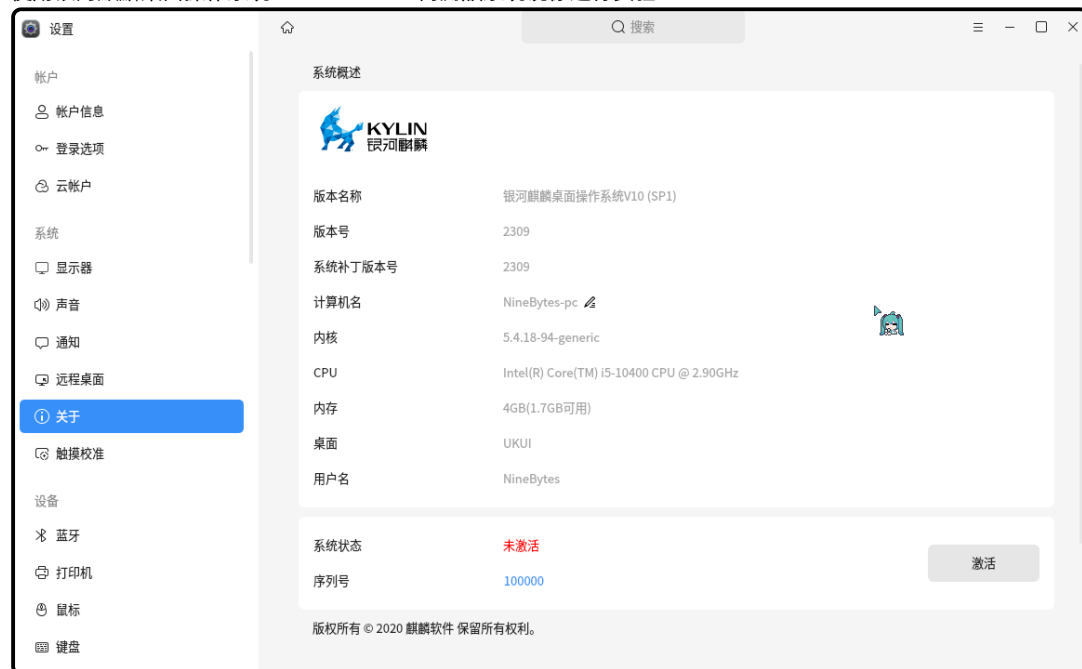
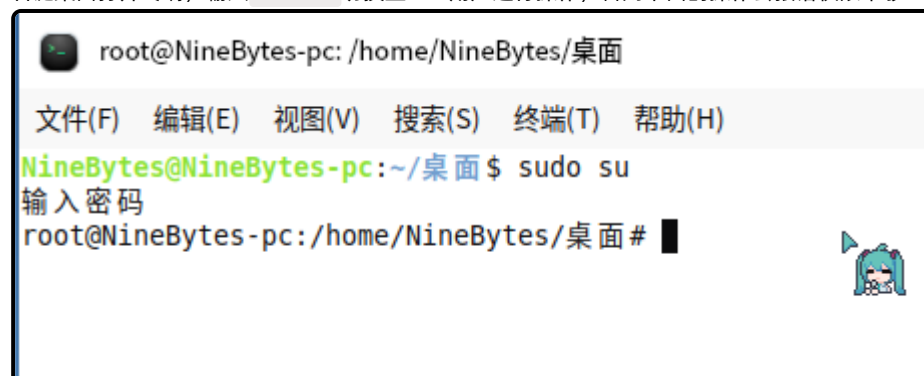


环境介绍:

使用银河麒麟桌面操作系统V10-SP1-2309内测版系统镜像进行实验



右键桌面打开终端, 输入 `sudo su` 切换至root用户进行操作, 否则下面的操作会报错权限不够



输入 `apt-get install minicom` 使用apt包管理器安装minicom



输入 `minicom -s` 进入minicom配置界面

```

+-----[configuration]-----+
| Filenames and paths          |
| File transfer protocols      |
| Serial port setup           |
| Modem and dialing           |
| Screen and keyboard         |
| Save setup as dfl           |
| Save setup as..             |
| Exit                         |
| Exit from Minicom           |
+-----+

```

使用键盘下方向键选择到 Serial port setup，回车确定

```

+-----[configuration]-----+
| Filenames and paths          |
| File transfer protocols      |
| Serial port setup           |
| Modem and dialing           |
| Screen and keyboard         |
| Save setup as dfl           |
| Save setup as..             |
| Exit                         |
| Exit from Minicom           |
+-----+

```

然后开启键盘大写锁定键，按下A,将 /dev/modem 修改为 /dev/ttyUSB0

修改完成后回车键返回

```

+-----+
| A -   Serial Device       : /dev/modem |
| B -   Lockfile Location   : /var/lock  |
| C -   Callin Program      :            |
| D -   Callout Program     :            |
| E -   Bps/Par/Bits        : 115200 8N1 |
| F -   Hardware Flow Control : Yes      |
| G -   Software Flow Control : No       |
+-----+
| Change which setting? |
+-----+

```

```

| Screen and keyboard |
| Save setup as dfl   |
| Save setup as..     |
| Exit                |
| Exit from Minicom   |
+-----+

```

Before



```

+-----+
| A -   Serial Device       : /dev/ttyUSB0 |
| B -   Lockfile Location   : /var/lock  |
| C -   Callin Program      :            |
| D -   Callout Program     :            |
| E -   Bps/Par/Bits        : 115200 8N1 |
| F -   Hardware Flow Control : Yes      |
| G -   Software Flow Control : No       |
+-----+
| Change which setting? |
+-----+

```

```

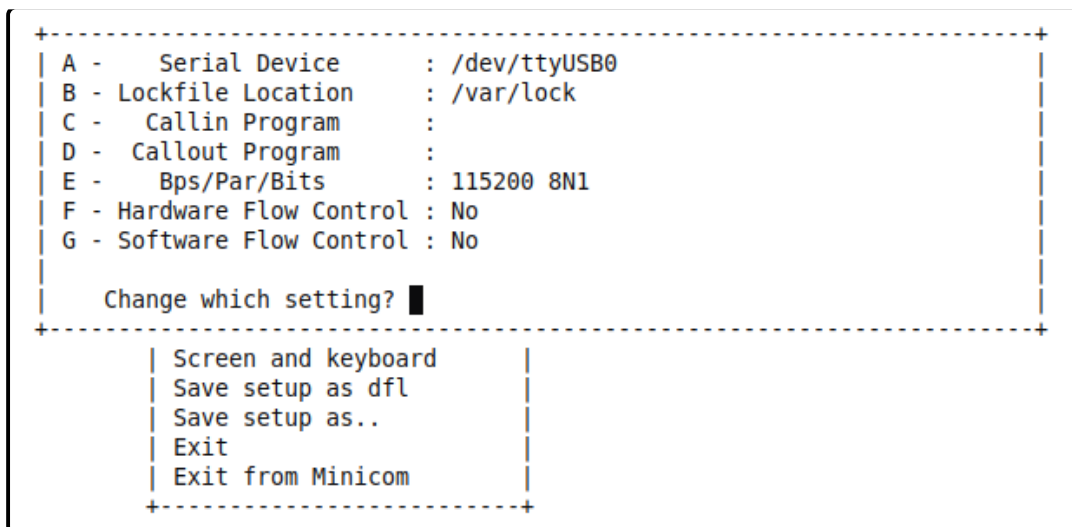
| Screen and keyboard |
| Save setup as dfl   |
| Save setup as..     |
| Exit                |
| Exit from Minicom   |
+-----+

```

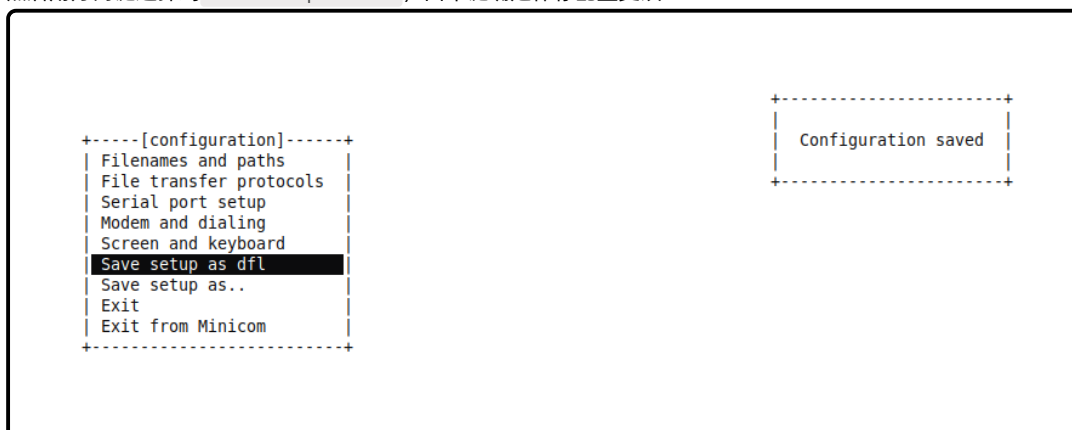
After

然后开启键盘大写锁定键，按下F，将 Hardware Flow Control 由 Yes 更改为 No

回车键确认



然后用方向键选择到 `Save setup as dfl`，回车键确定保存配置更改

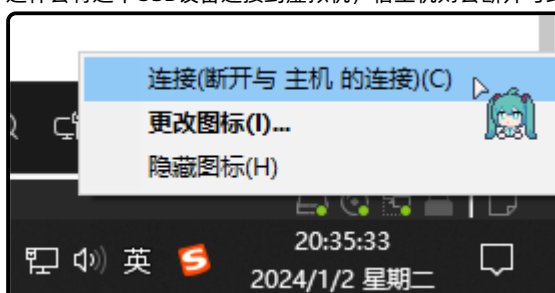


然后在虚拟机窗口界面的右下角，有一个USB样式的图标，点击它

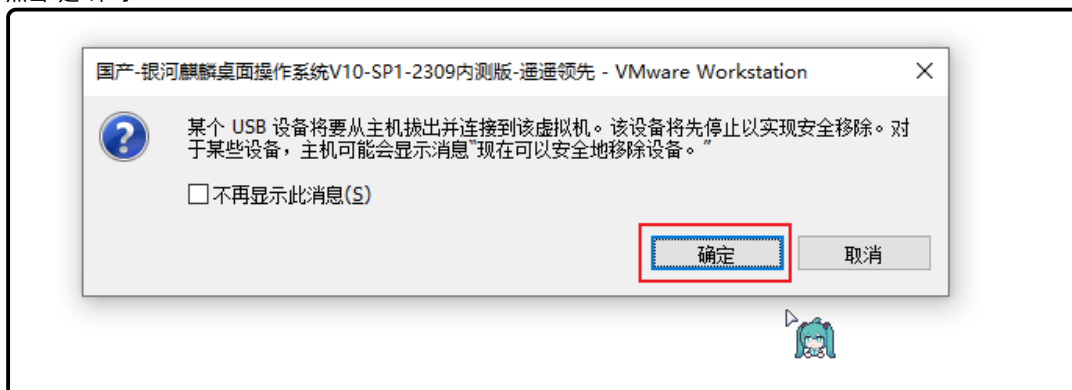


点击"连接"

这样会将这个USB设备连接到虚拟机，宿主机则会断开与此USB设备的连接状态



点击"是"即可



然后在终端内输入 `minicom`，回车后就会出现你连接的设备

root@NineBytes-pc: /home/NineBytes/桌面

文件(F) 编辑(E) 视图(V) 搜索(S) 终端(T) 帮助(H)

Welcome to minicom 2.7.1

OPTIONS: I18n

Compiled on Oct 29 2020, 03:39:10.

Port /dev/ttyUSB0, 20:39:20

Press CTRL-A Z for help on special keys

CS6200-28X-EI#



然后就可以开始你对设备的配置了

```
CS6200-28X-EI#show running-config
```

```
!!
```

```
switch convert mode stand-alone
```

```
!!
```

```
!
```

```
no service password-encryption
```

```
!
```

```
hostname CS6200-28X-EI
```

```
sysLocation China
```

```
sysContact 400-810-9119
```

```
!
```

```
authentication logging enable
```

```
!
```

```
username admin privilege 15 password 0 admin
```

```
!
```

```
!
```

```
!
```

```
!
```

```
info-center logfile 4 config count 40960 nandflash logfile.log
```

```
info-center logfile 4 output-enable
```

```
info-center logfile 4 match level warnings
```

```
!
```

```
!
```

```
!
```

```
!
```

```
!
```

```
!
```

```
Interface Ethernet0
```

```
!
```

```
!
```

```
!
```

```
vlan 1
```

```
!
```

```
Interface Ethernet1/0/1
```

```
!
```

```
Interface Ethernet1/0/2
```

```
!
```

```
Interface Ethernet1/0/3
```

```
!
```

```
Interface Ethernet1/0/4
```

```
!
```

由于Minicom默认波特率是 115200，在连接二层交换机时，会连接不上
就会像这样，你把回车键敲烂它也出不来

```
root@NineBytes-pc: /home/NineBytes/桌面

文件(F)  编辑(E)  视图(V)  搜索(S)  终端(T)  帮助(H)

Welcome to minicom 2.7.1

OPTIONS: I18n
Compiled on Oct 29 2020, 03:39:10.
Port /dev/ttyUSB0, 20:43:20

Press CTRL-A Z for help on special keys
```

这时候就要去更改Minicom的波特率
建议先使用 `sudo su` 使用root用户配置
使用 `minicom -s` 进入Minicom的配置界面
选择到 `Serial port setup` , 回车确定

```
+-----[configuration]-----+
| Filenames and paths          |
| File transfer protocols      |
| Serial port setup           |
| Modem and dialing            |
| Screen and keyboard          |
| Save setup as dfl             |
| Save setup as..              |
| Exit                         |
| Exit from Minicom            |
+-----+-----+-----+-----+
```

开启大写锁定, 按下E键, 去更改波特率

```
root@NineBytes-pc: /home/NineBytes/桌面

文件(E)  编辑(E)  视图(V)  搜索(S)  终端(T)  帮助(H)

+-----+-----+-----+-----+
| A -   Serial Device       : /dev/ttyUSB0 |
| B - Lockfile Location    : /var/lock     |
| C - Callin Program       :               |
| D - Callout Program      :               |
| E -   Bps/Par/Bits       : 115200 8N1    |
| F - Hardware Flow Control : No           |
| G - Software Flow Control : No           |
|                               |
|   Change which setting?   |
+-----+-----+-----+-----+

| Screen and keyboard      |
| Save setup as dfl        |
| Save setup as..         |
| Exit                    |
| Exit from Minicom        |
+-----+-----+-----+-----+
```

按下C键, 使用9600波特率, 确保大写锁定键是开启的, 然后回车确认即可

```
root@NineBytes-pc: /home/NineBytes/桌面
文件(E) 编辑(E) 视图(V) 搜索(S) 终端(T) 帮助(H)

+-----[Comm Parameters]-----+
| A - Serial De|          Current: 115200 8N1          |
| B - Lockfile Loc|                               |
| C - Callin Pro| Speed          Parity          Data          |
| D - Callout Pro| A: <next>      L: None          S: 5          |
| E - Bps/Par/B| B: <prev>      M: Even          T: 6          |
| F - Hardware Flo| C: 9600        N: Odd          U: 7          |
| G - Software Flo| D: 38400       O: Mark          V: 8          |
|               | E: 115200     P: Space          |
|               |                               |
| Change which | Stopbits      |
|               | W: 1          Q: 8-N-1          |
| Save set     | X: 2          R: 7-E-1          |
| Save set     |               |
| Exit         |               |
| Exit fro    | Choice, or <Enter> to exit? █ |
+-----+-----+


```

可以看到这时候的波特率已经更改为9600，回车确定

```
root@NineBytes-pc: /home/NineBytes/桌面
文件(F) 编辑(E) 视图(V) 搜索(S) 终端(T) 帮助(H)

+-----+-----+
| A - Serial Device      : /dev/ttyUSB0          |
| B - Lockfile Location  : /var/lock             |
| C - Callin Program     :                      |
| D - Callout Program    :                      |
| E - Bps/Par/Bits       : 9600 8N1             |
| F - Hardware Flow Control : No                 |
| G - Software Flow Control : No                 |
|               |                               |
| Change which setting? █ |
+-----+-----+
| Screen and keyboard   |
| Save setup as dfl     |
| Save setup as..      |
| Exit                  |
| Exit from Minicom     |
+-----+-----+


```

然后用方向键选择到 Save setup as dfl，回车键确定保存配置

```
+-----+-----+
| +-----[configura| Configuration saved | |
| | Filenames and | |
| | File transfer | |
| | Serial port setup |
| | Modem and dialing |
| | Screen and keyboard |
| | Save setup as dfl |
| | Save setup as.. |
| | Exit |
| | Exit from Minicom |
+-----+-----+


```

选择到 Exit , 退出Minicom配置界面

```
+-----[configuration]-----+
| Filenames and paths          |
| File transfer protocols      |
| Serial port setup            |
| Modem and dialing            |
| Screen and keyboard          |
| Save setup as dfl             |
| Save setup as..              |
| Exit                         |
| Exit from Minicom            |
+-----+

```

这时候再次回车就能显示到二层交换机了
想要更改回115200波特率也是同样的步骤

```
root@NineBytes-pc: /home/NineBytes/桌面
文件(E)  编辑(E)  视图(V)  搜索(S)  终端(I)  帮助(H)

Welcome to minicom 2.7.1

OPTIONS: I18n
Compiled on Oct 29 2020, 03:39:10.
Port /dev/ttyUSB0, 20:44:24

Press CTRL-A Z for help on special keys

enter any key to start?
S4600-28P-SI>EN
S4600-28P-SI#config
S4600-28P-SI(config)#

```

Minicom常用命令

命令	说明	/
Ctrl+A X	退出程序	/
Ctrl+A W	启用/禁用自动换行，默认禁用	/
Ctrl+A E	启用/禁用输入显示，默认禁用	/
Ctrl+A C	清屏	/