

How to install ISO using BMC

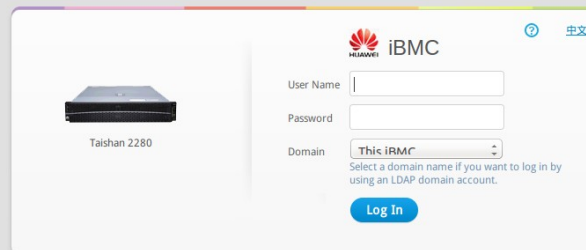
-v0.1 2017.4.24 Sherlock init

This doc helps to show how to install ISO by BMC web interface.

- Access BMC web page(BMC IP of redhat board: 10.16.186.169)

Security Notice

WARNING! This system is PRIVATE and PROPRIETARY and may only be accessed by authorized users. Unauthorized use of the system is prohibited. The owner, or its agents, may monitor any activity or communication on the system. The owner, or its agents, may retrieve any information stored within the system. By accessing and using the system, you are consenting to such monitoring and information retrieval for law enforcement and other purposes.



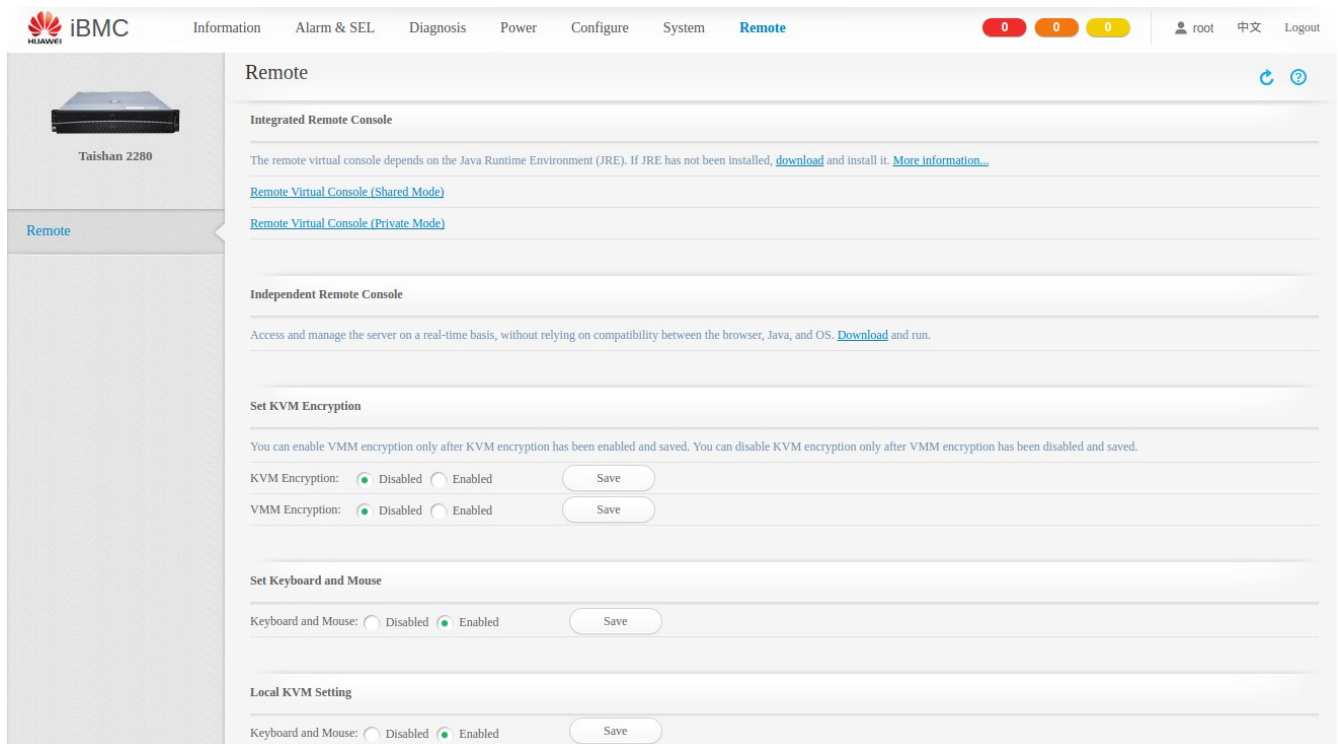
The image shows the Huawei iBMC login interface. On the left, there is a server icon labeled 'Taishan 2280'. On the right, there are input fields for 'User Name', 'Password', and 'Domain'. The 'Domain' dropdown menu is set to 'This iBMC'. Below the 'Domain' field, there is a note: 'Select a domain name if you want to log in by using an LDAP domain account.' At the bottom right, there is a blue 'Log In' button. In the top right corner of the login box, there are icons for help and language (中文).

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User name: root

Password: Huawei12#\$

- Access BMC web interface, access “Remote”



- click “Remote Virtual Console (Private Mode)” in above picture, then you need download a file named “kvm.jnlp”
- Download JRE as showed in “download” in Integrated Remote console in above picture. (e.g. I downloaded “linux x64” in https://www.java.com/en/download/linux_manual.jsp)
- Run `above_package/bin/javaws your_path/kvm.jnlp`, then you will get:
(NOTE: every time you use Remote Virtual Console, you need download the new kvm.jnlp and run this command)

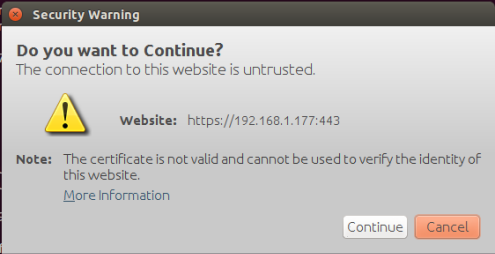
```
sherlock@T440: ~/scripts x sherlock@T440: /dev x sherlock@T440: ~/scripts x sherlock@T440: ~/jre1.8.0_121
sherlock@T440:~/jre1.8.0_121$ ifconfig
docker0  Link encap:Ethernet  HWaddr 02:42:fc:cf:67:a3
          inet addr:172.17.42.1  Bcast:0.0.0.0  Mask:255.255.0.0
          UP BROADCAST MULTICAST  MTU:1500  Metric:1
          RX packets:0 errors:0 dropped:0 overruns:0 frame:0
          TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:0 (0.0 B)  TX bytes:0 (0.0 B)

eth0      Link encap:Ethernet  HWaddr 68:f7:28:00:8b:7f
          inet6 addr: fe80::6af7:28ff:fe00:8b7f/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:332752 errors:0 dropped:0 overruns:0 frame:0
          TX packets:741942 errors:0 dropped:0 overruns:0 frame:0
          collisions:0 txqueuelen:1000
          RX bytes:85493749 (85.4 MB)  TX bytes:847111111 (847.1 MB)
          Interrupt:20 Memory:16000000-16200000

lo        Link encap:Local Loopback
          inet addr:127.0.0.1  Mask:255.0.0.0
          inet6 addr: ::1/128 Scope:Host
          UP LOOPBACK RUNNING  MTU:65536  Metric:1
          RX packets:3338 errors:0 dropped:0 overruns:0 frame:0
          TX packets:3338 errors:0 dropped:0 overruns:0 frame:0
          collisions:0 txqueuelen:0
          RX bytes:338907 (338.9 KB)  TX bytes:338907 (338.9 KB)

wlan0     Link encap:Ethernet  HWaddr e8:b1:fc:0d:1a:23
          inet addr:192.168.10.101  Bcast:192.168.10.255  Mask:255.255.255.0
          inet6 addr: fe80::eab1:fcff:fe0d:1a23/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:268996 errors:0 dropped:0 overruns:0 frame:0
          TX packets:250841 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:109509589 (109.5 MB)  TX bytes:165052187 (165.0 MB)

sherlock@T440:~/jre1.8.0_121$ sudo ifconfig eth0 192.168.1.1
[sudo] password for sherlock:
sherlock@T440:~/jre1.8.0_121$ ls
bin  COPYRIGHT  lib  LICENSE  man  plugin  README  release  THIRDPARTYLICENSEREADME-JAVAFX.txt  THIRDPARTYLICENSEREADME.txt  Welcome.html
sherlock@T440:~/jre1.8.0_121$ ./bin/javaws ~/Desktop/kvn.jnlp
bin/  lib/  man/  plugin/
sherlock@T440:~/jre1.8.0_121$ ./bin/javaws ~/Desktop/kvn.jnlp
bin/  lib/  man/  plugin/
sherlock@T440:~/jre1.8.0_121$ ./bin/javaws ~/Desktop/kvn.jnlp
sherlock@T440:~/jre1.8.0_121$
```



- Click continue:

```
PCI Device Assignment with VFIO by Alex Williamson.mp4  PV660D02_B902_Release.bin
python.odt
QEMU建立系統之方法.pptx
Regmap_The_Power_of_Subsystems_and_Abstractions.pdf

sv
ter - Zhou Wang.pdf
limited_v1.0.4.2_apkpure.com.apk
ping_Table.pdf
pub
B004351.pdf

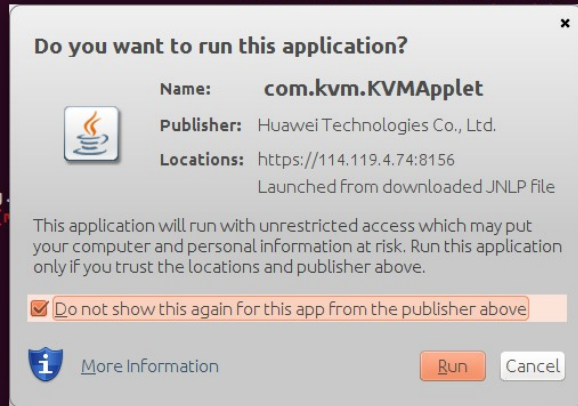
patches.zip
the Sorcerer's Stone - J. K. Rowling
the Sorcerers Stone - J. K. Rowling(r
_MMU_architecture_specification.pdf

downloads$ cd
cd scripts/
cripts$ cd ../
ls
git-rectify
GNUstep
hisi_work
IHI0069C_gic_architecture_specification.pdf
IHI_0070A_SMMuv3.pdf
ipmctool
iso_initrd
jre1.8.0_121
cd jre1.8.0_121/
re1.8.0_121$ ls
lib  LICENSE  man  plugin  README  release  THIRDPARTYLICENSEREADME-JAVAFX.txt  THIRDPARTYLICENSEREADME.txt  Welcome.html
re1.8.0_121$ cd bin/
re1.8.0_121/bin$ ls

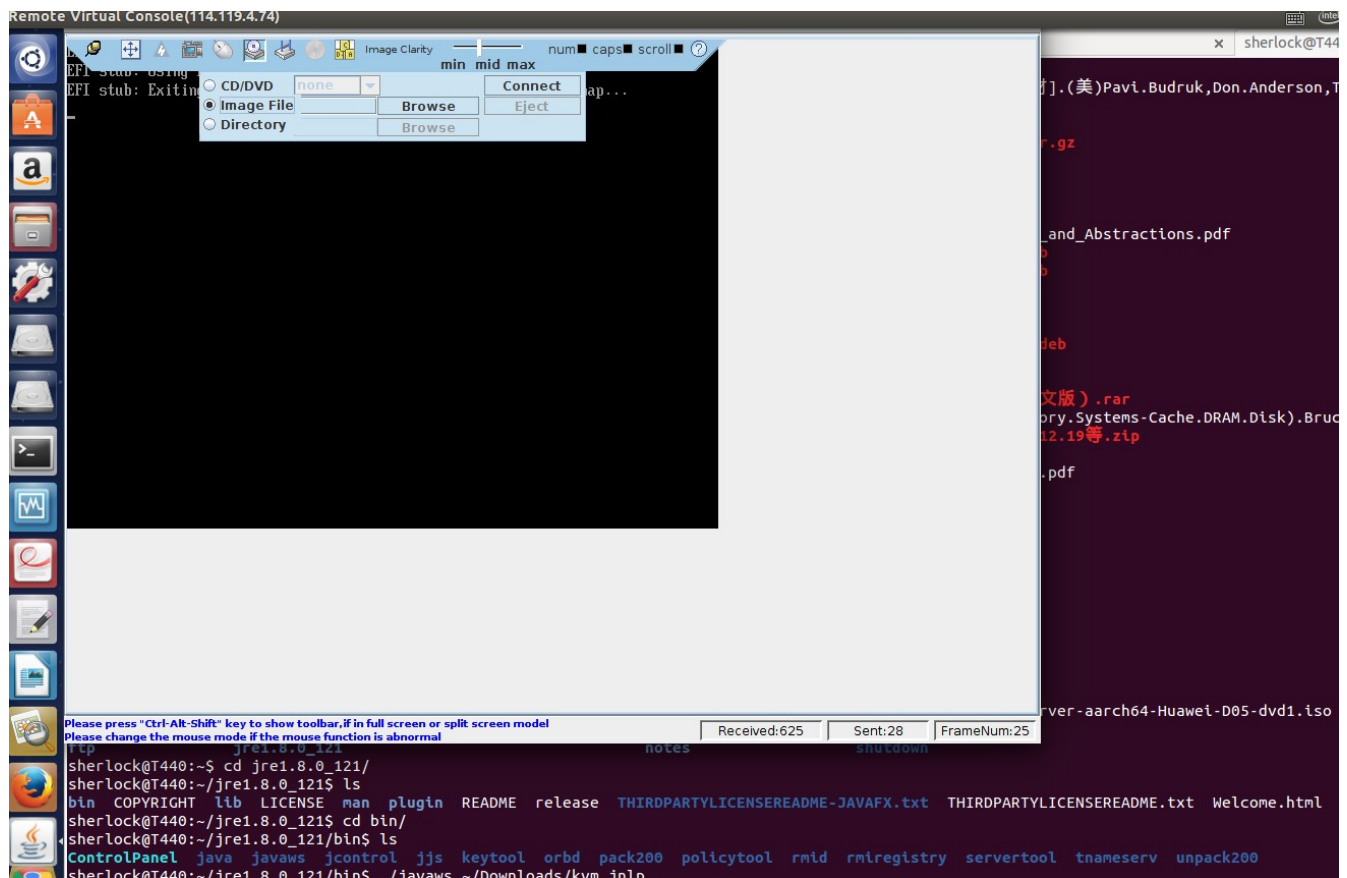
jre.tar.gz
kvm_client_ubuntu.zip
log
lpc_patch
Mail
Music
nerdtree_tmp
notes

open-estuary
Pictures
Public
redhat_4.11.rpm
repos
RHEL-7.3-20170412-Server-aarch64-Huawei-D05-dvd1.iso
scripts
shutdown

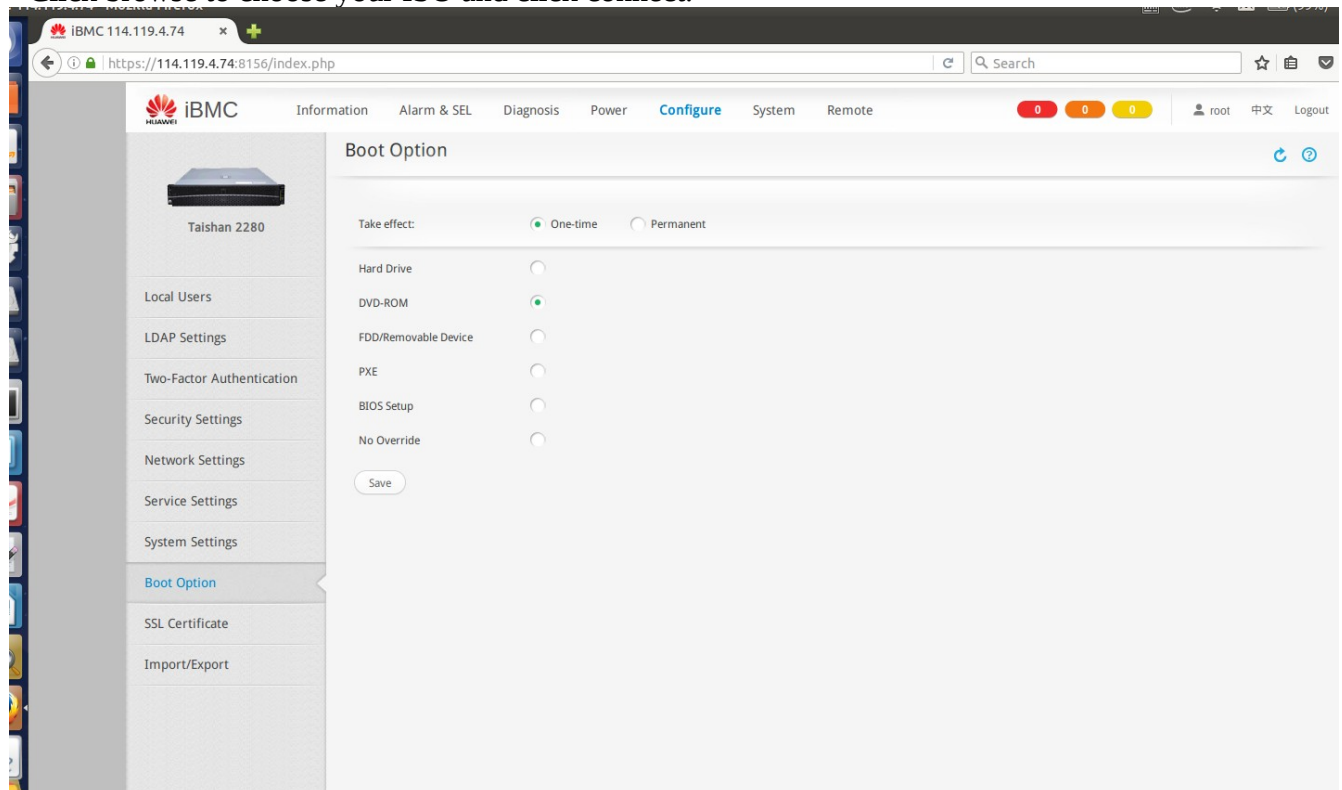
Templat
tests
typescr
Videos
Virtual
```



- Click run:



- Click browse to choose your ISO and click connect.

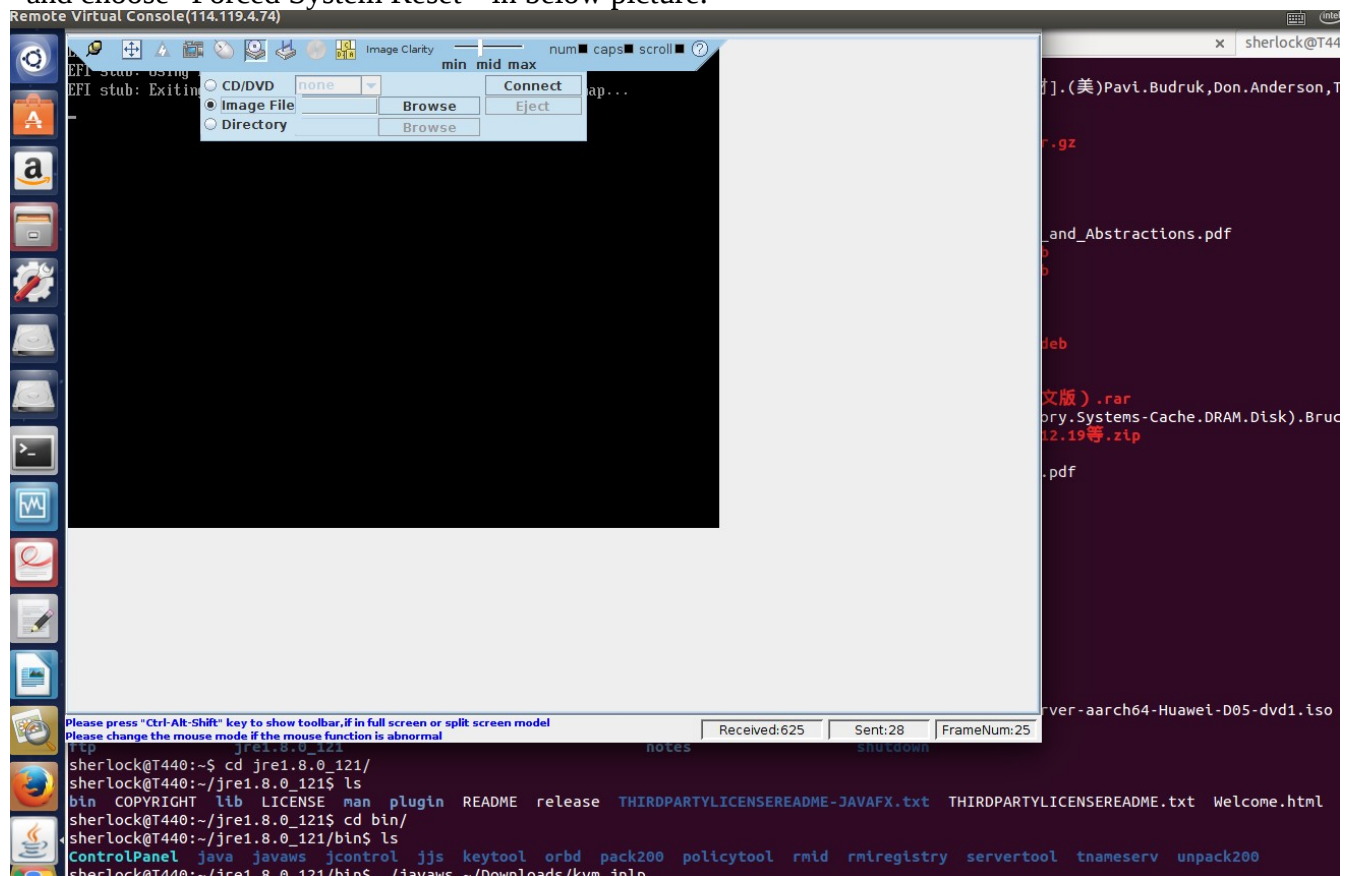


- Change boot option to DVD-ROM

- Reset system by click



and choose “Forced System Reset ” in below picture:



- Use console or ipmi to access serial console, e.g. :

ipmitool -H 192.168.1.177 -I lanplus -U root -P Huawei12#\$ sol activate

or

console xxx