SANGFOR

SD WAN

BBC 2.5.2 Deployment Guide

Version BBC2.5.2

Change Log

Date	Change Description
Dec 05, 2018	Introduction of BBC 2.5.2 deployment

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Chapter 1 Deployment Resource

Testing Material Name	Instruction
BBC installation package	BBC installation package download address: BBC2.5.0_20180630.ova: https://drive.google.com/open?id=1oKNxq8r12nSwHLb_XzKvDznZBNH_3IdR BBC2.5.1EN(20180918).pkg: https://drive.google.com/open?id=1wxnmMgk8ChgCaGtQ7yRG0Z04dxJp2eGd BBC2.5.2_B(20181108-151614).pkg: https://drive.google.com/open?id=1_66bbPMILp_jGGSFvGCJmZYFK1kuq_20 Note: BBC2.5.0_20180630.ova is a Chinese version BBC, You need to execute one command in the BBC backend to convert to the English version.
BBC Sofeware platform	Ova Virtualization Deployment (Vmware, SangforaCl0ud)
License Key	Currently, the test serial number authorization can only be applied through China domestic mobile number. If the local office requires test, you could seek for China local office personnel or CTI personnel to assist on the application.

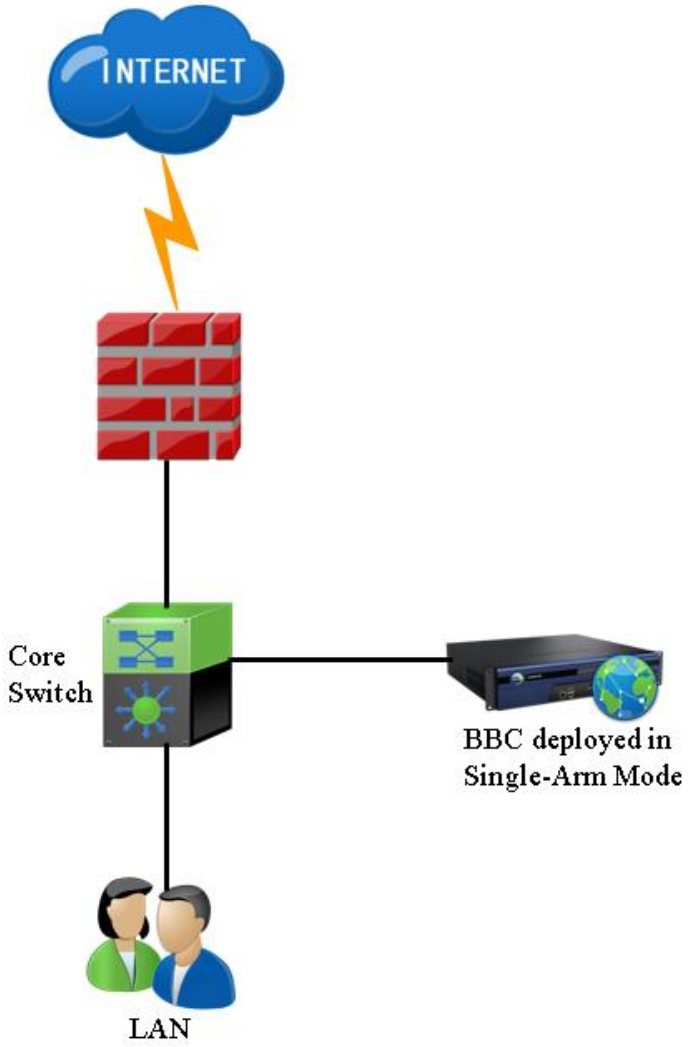
Chapter2 BBC Deployment Instruction

2.1 BBC environment deployment

BBC Center device only supports single-arm deployment.

Connect the LAN port to the internal network core switch.

Port mapping is required on the front gateway device to map the TCP/UDP port 5000.



BBC only supports single-arm deployment, but there are two supported modes:

1. Ova Virtualization Deployment (Vmware, Sangfor aCloud)
2. Hardware BBC device

Note:Recommended ova mode deployment

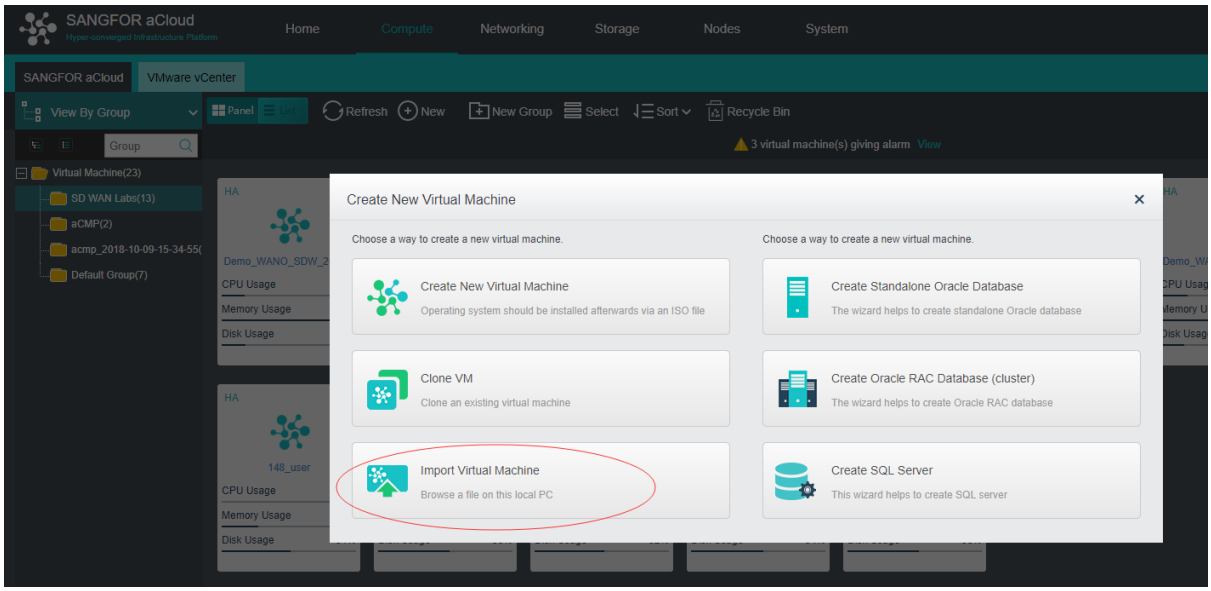
BBC deployment reference specification as follows:

Specification Type	CPU	Memory	System Hard Disk	Data Hard Disk
Testing Lowest Specifications	8 Core	8G	240G	500G
Testing Recommended Specifications	8 Core	16G	240G	500G
Enterprise Recommended Specifications	8 Core	32G	240G	500G

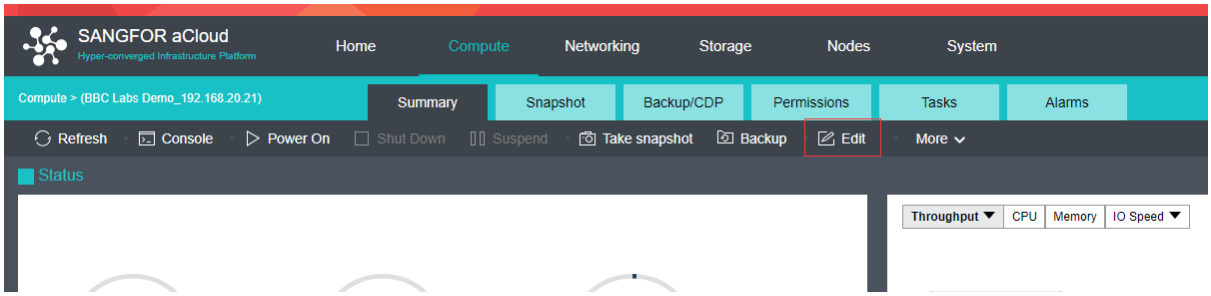
2.2 Deployment steps

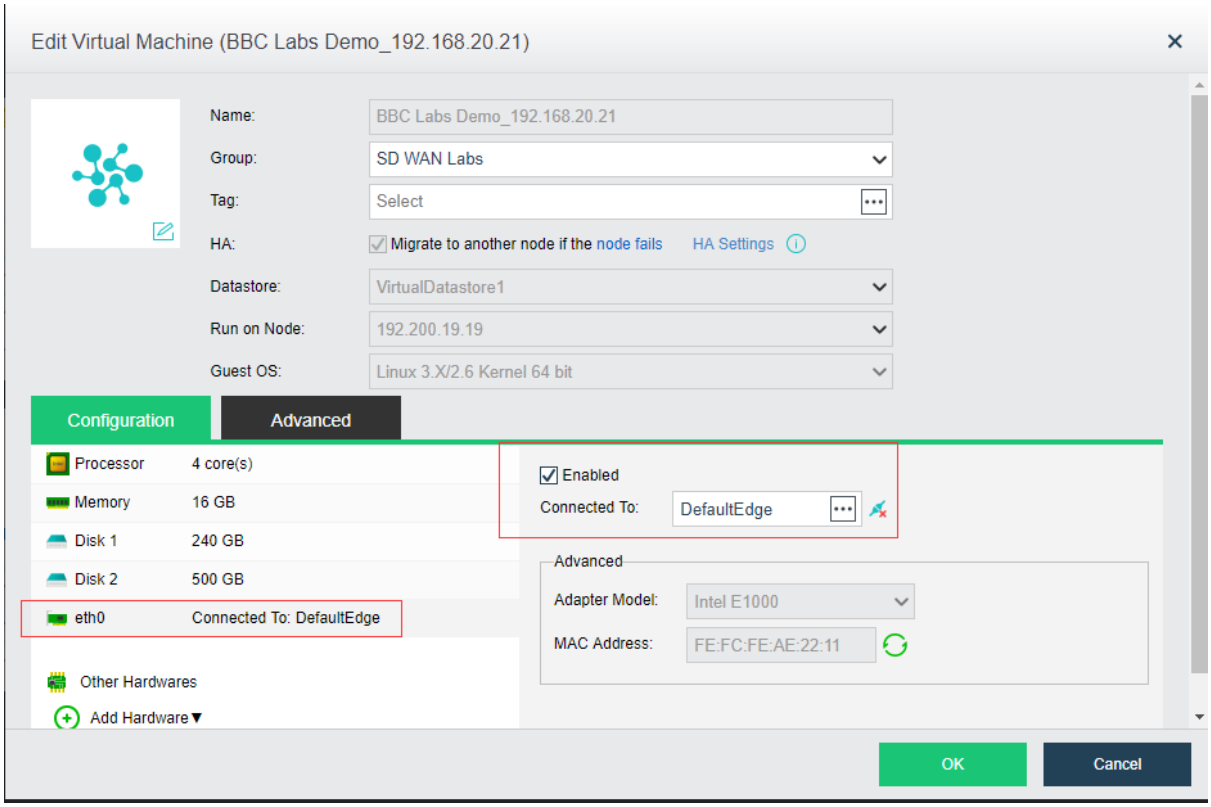
1. Import BBC2.5.0_20180630.ova image into aCloud or Vmware,and then configure an IP address for the BBC (Notes:This BBC is a Chinese version)

   The following picture shows the location of the aCloud import BBC ova image. Import operations can be done according to the aCloud wizard prompts

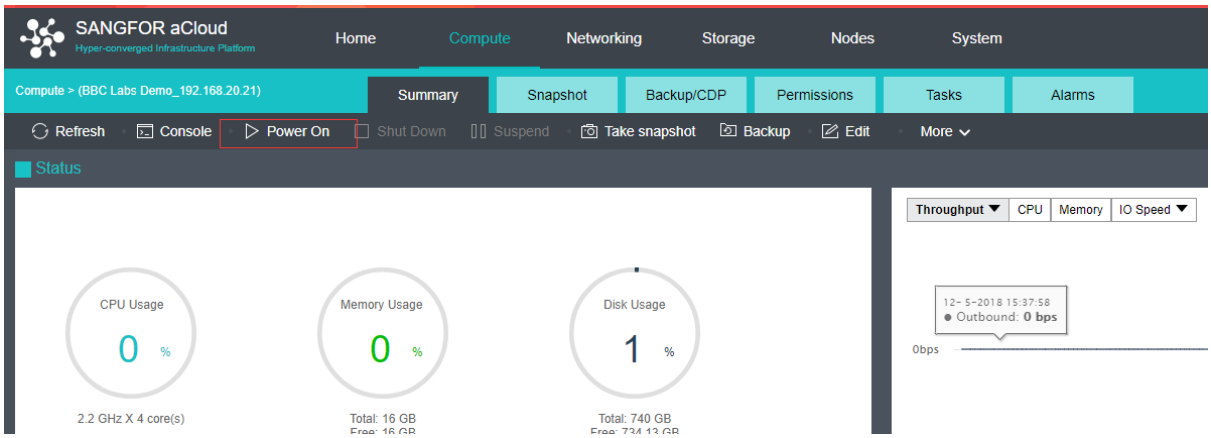


After the BBC is imported into aCloud, you need to link the first NIC of the BBC to the virtual network.



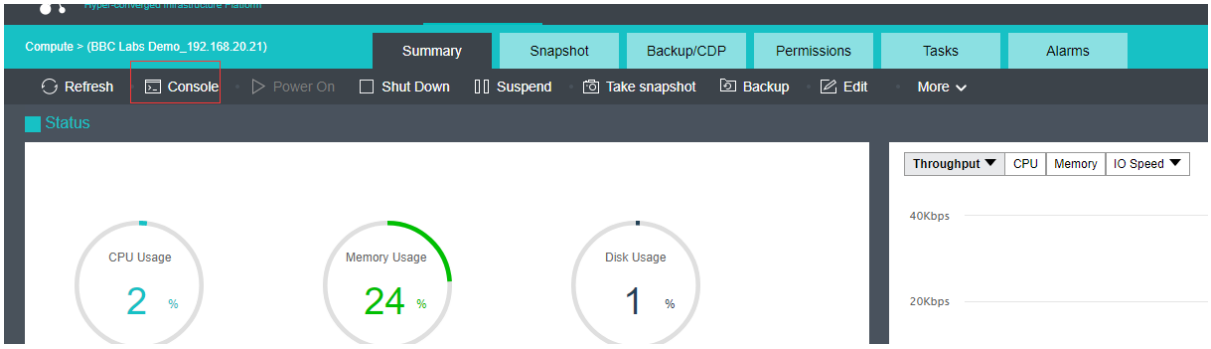


You need to power on the BBC at last:



Then, You need to login to the BBC background to configure the BBC LAN port IP address. The steps are as follows:

(1) Click **Console** on the BBC virtual machine management interface to enter the BBC background interface, as shown below :

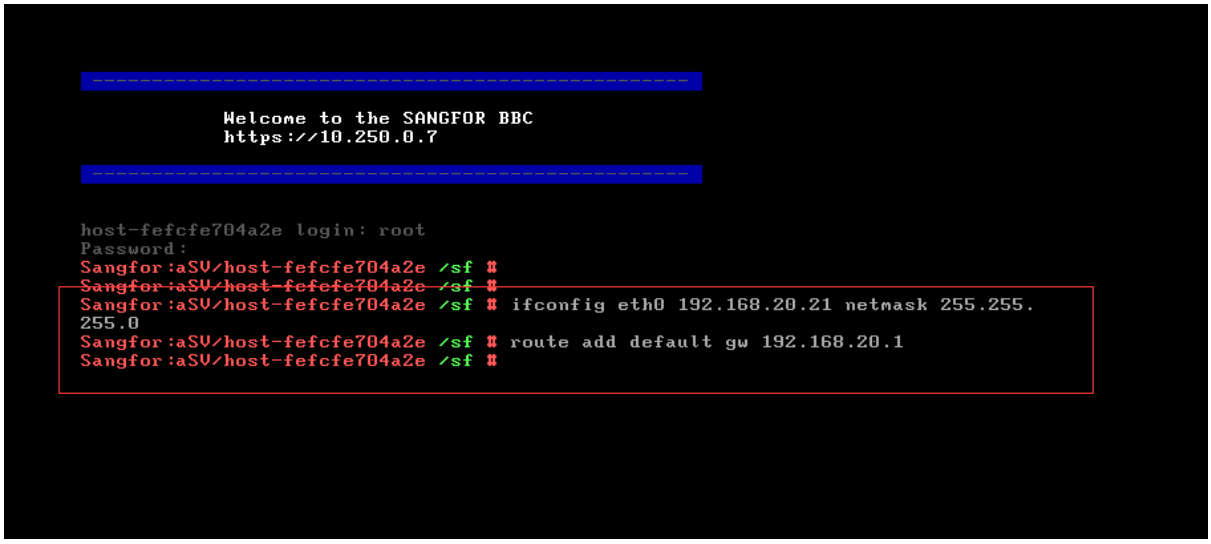


(2) Log in with the following account: root/aminsangfornetwork

(3) Using the command of ifconfig to configure the BBC LAN port IP according to your plan. We configure the BBCLAN port IP as 192.168.20.21 in this case:

Command1: ifconfig eth0 192.168.20.21 netmask 255.255.255.0

Command2: route add default gw 192.168.20.1

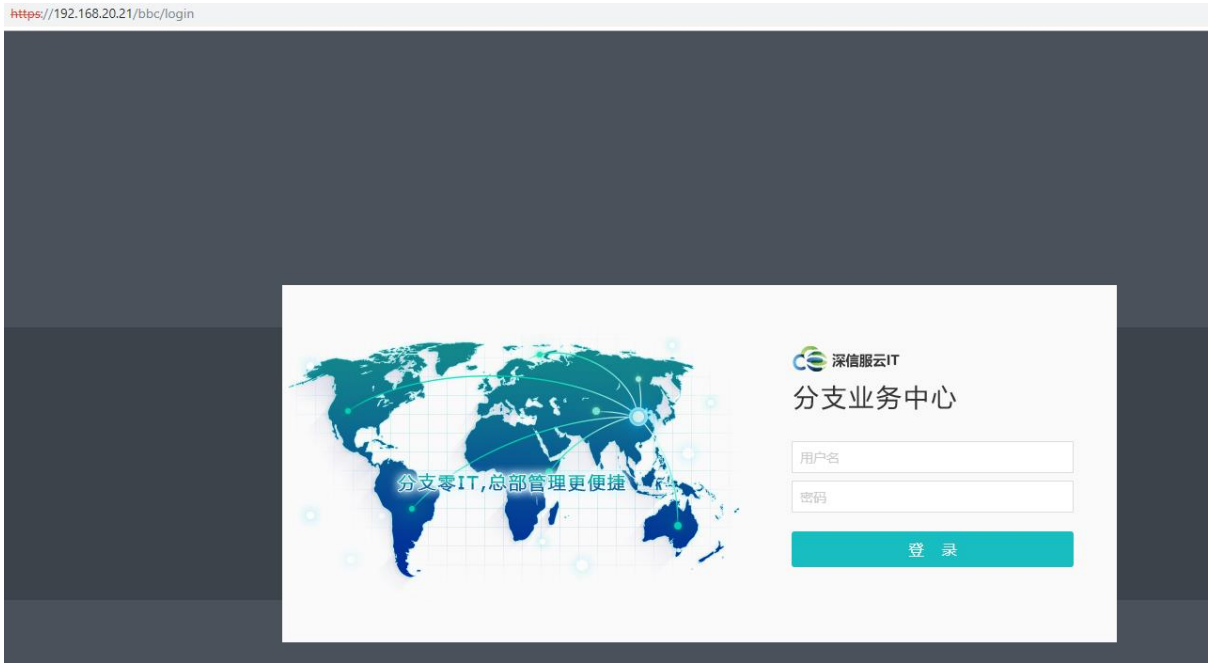


(4) Login BBC with IP 192.168.20.21.

Login address：https://192.168.20.21

Notes: BBC2.5.0_20180630.ova is a Chinese version BBC, You need to upgrade the BBC to 2.5.2 and then execute one command in the BBC backend to convert to the English version

Log in with the following account: admin/admin

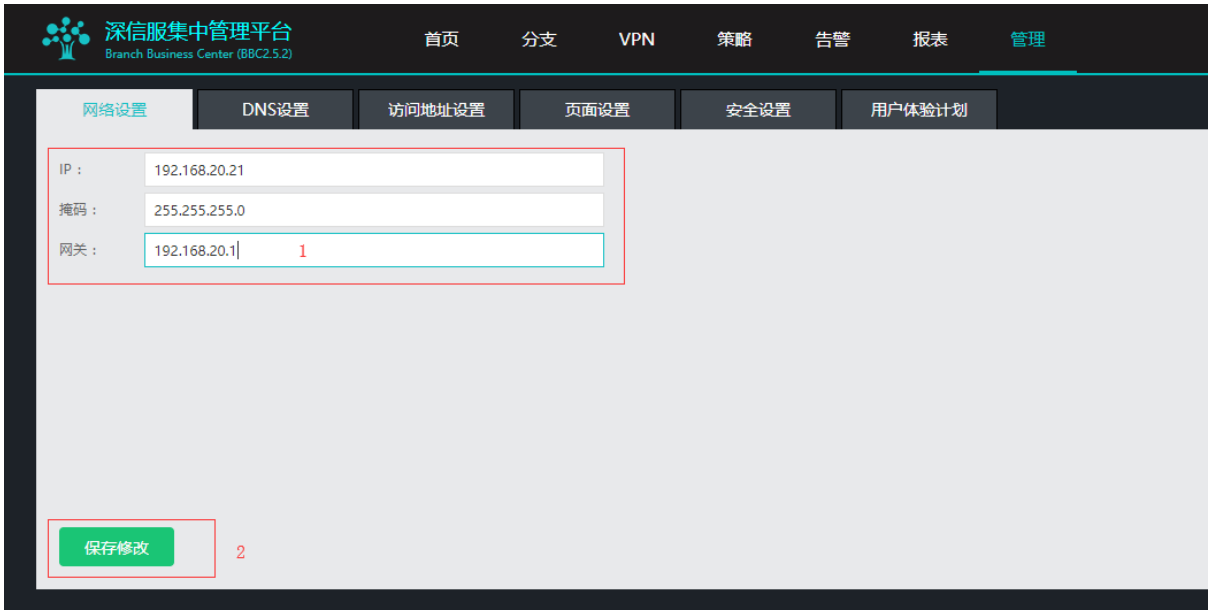


Log in to the BBC console to reconfigure the BBC LAN interface IP address：

Step:

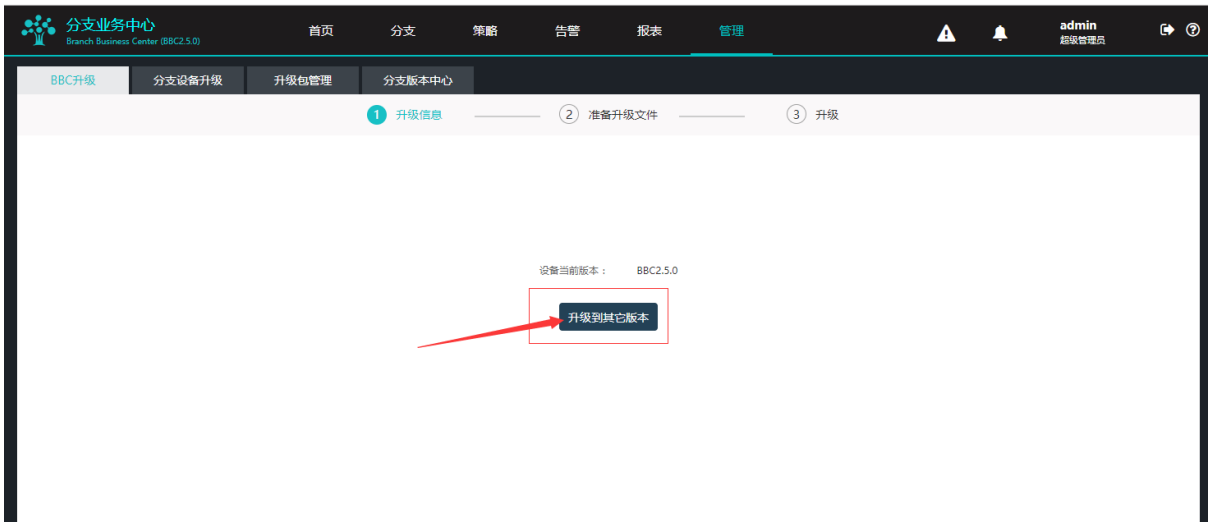
(1) The console page jumps to the network configuration page as shown below：

(2) Reconfigure the LAN interface IP address:



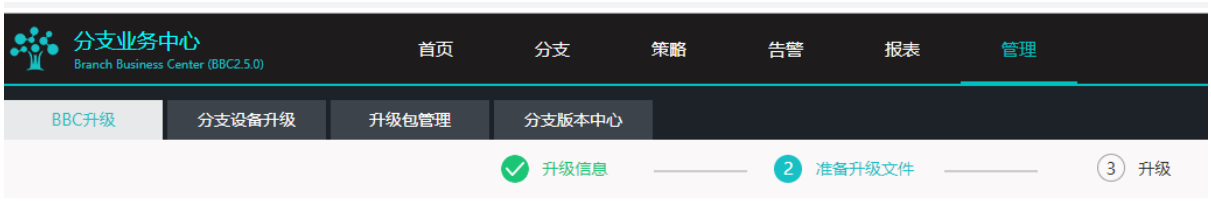
2. Upgrate the BBC.2.5.0 to BBC 2.5.2_EN
   BBC2.5.2_B(20181108-151614).pkg:
   https://drive.google.com/open?id=1_66bbPMILp_jGGSFvGCJmZYFK1kuq_20
   Path：**【管理】--【设备升级】**

Click the button shown below to load the upgrade package and upgrade to BBC2.5.2.

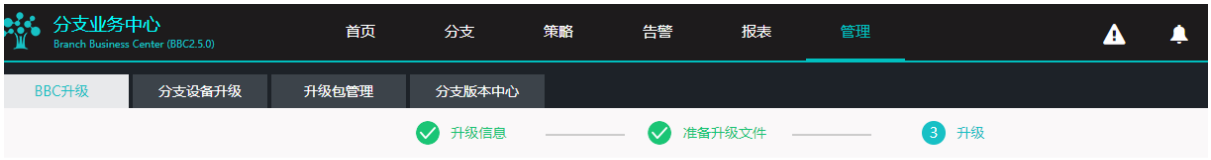


Upload the upgrade package:

After uploading the upgrade package, click the button below to start the upgrade：



After the upgrade is complete, click the button below to restart the BBC device：



3. Log in to the BBC background and execute the following command to convert the BBC to English version.

   Command1: switch_i18n.py en_US

   Command2: reboot

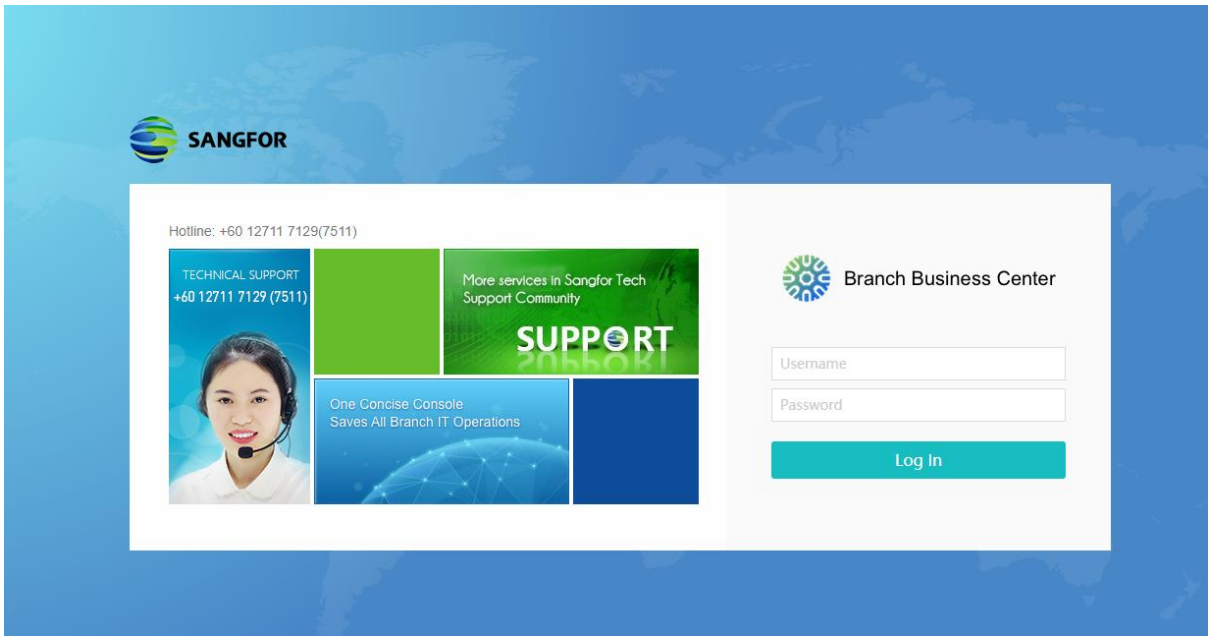
```
Sangfor:aSV/host-fefcfe704a2e /sf # switch_i18n.py en_US
Switch to English [en_US] environment
i18n will be ok after reboot
Sangfor:aSV/host-fefcfe704a2e /sf #
```

```
Sangfor:aSV/host-fefcfe704a2e /sf # reboot
[ 1799.685194] [watch_reboot]: get reboot(1) at 4295342218....

Message from syslogd@host-fefcfe704a2e at Dec  5 19:42:33 ...
 kernel:[ 1799.685194] [watch_reboot]: get reboot(1) at 4295342218....

The system is going down for reboot NOW!04a2e (tty1) (Wed Dec  5 19:42:33 201
INIT: Switching to runlevel: 6
INIT: Sending processes the TERM signal
[ ok ] Stoping cron: :  OK!.
[....] Stoping sdog: :  OK!_
```

After restarting, BBC becomes English version:



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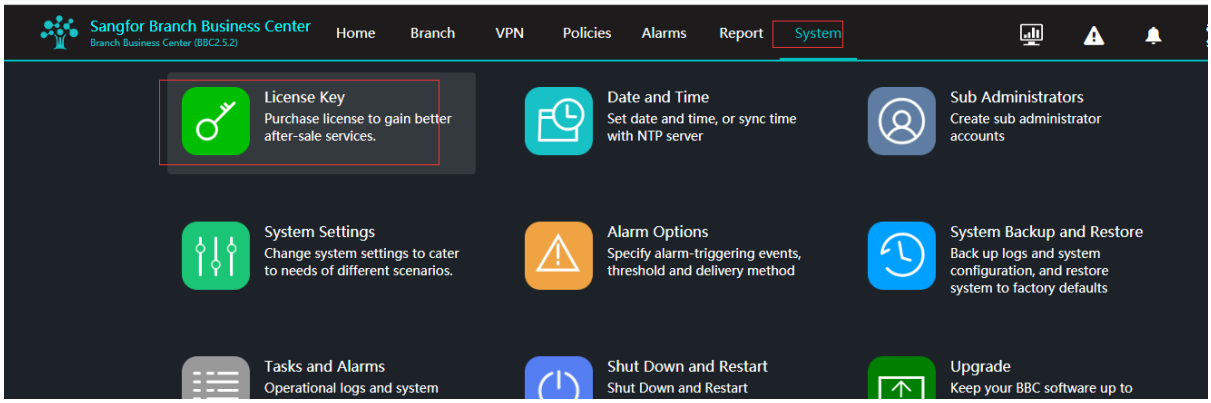

5. Dnat: Port mapping is required on the front gateway device to map the TCP/UDP port 5000

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