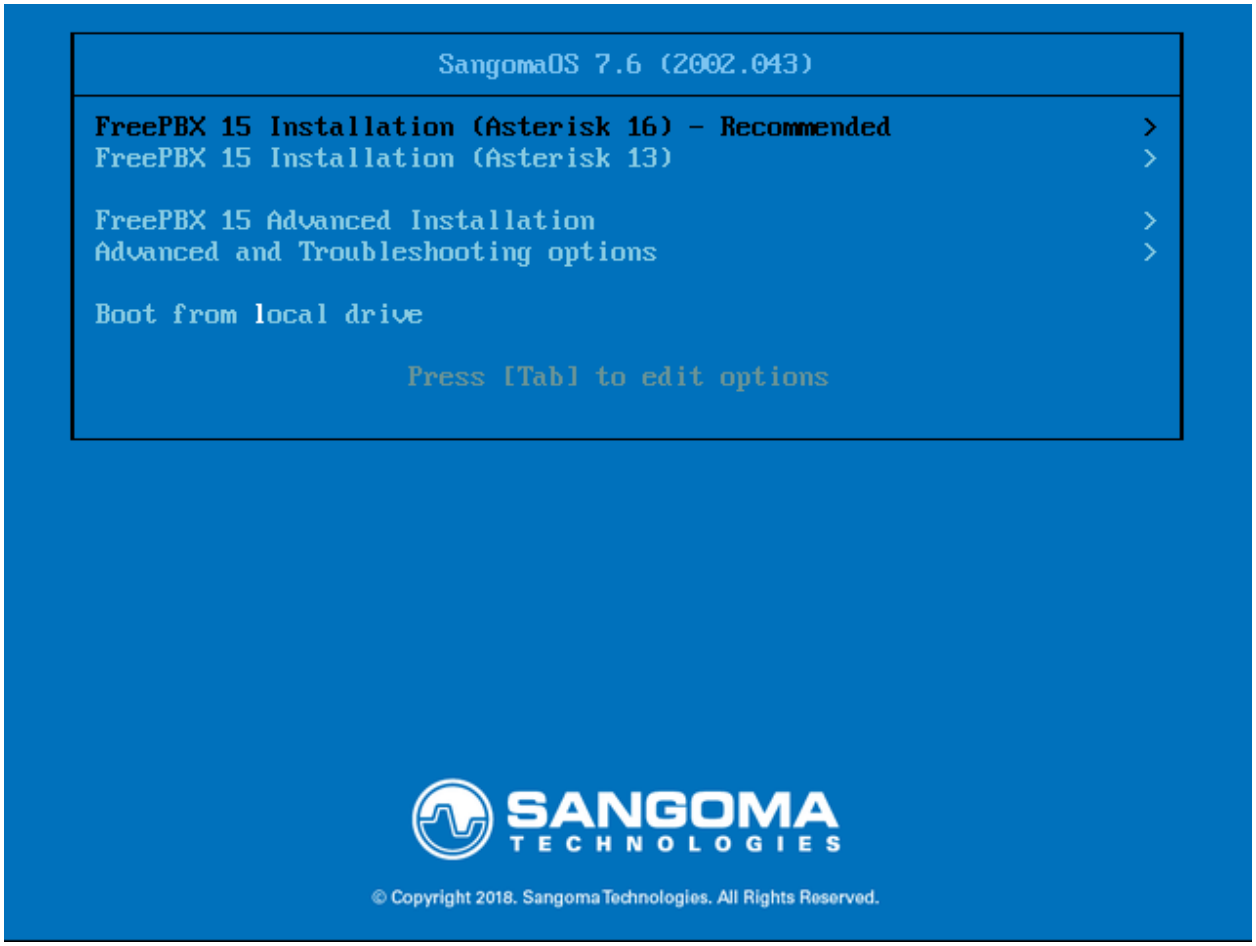
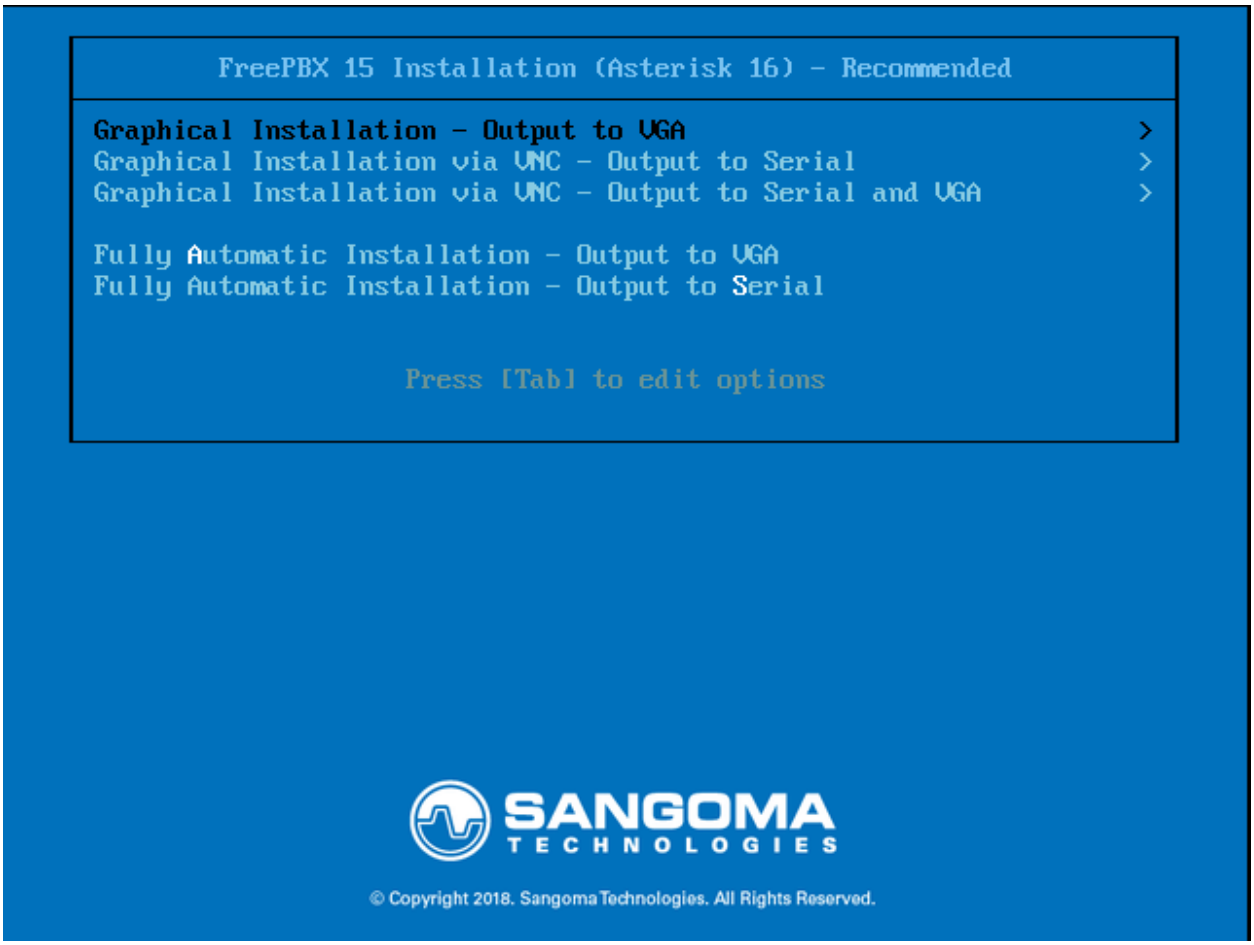
Installing FreePBX 15 Asterisk 16




FreePBX 15 Installation (Asterisk 16) - Recommended
Graphical Installation - Output to VGA
Graphical Installation via VNC - Output to Serial
Graphical Installation via VNC - Output to Serial and VGA
Fully Automatic Installation - Output to VGA
Fully Automatic Installation - Output to Serial
Press [Tab] to edit options
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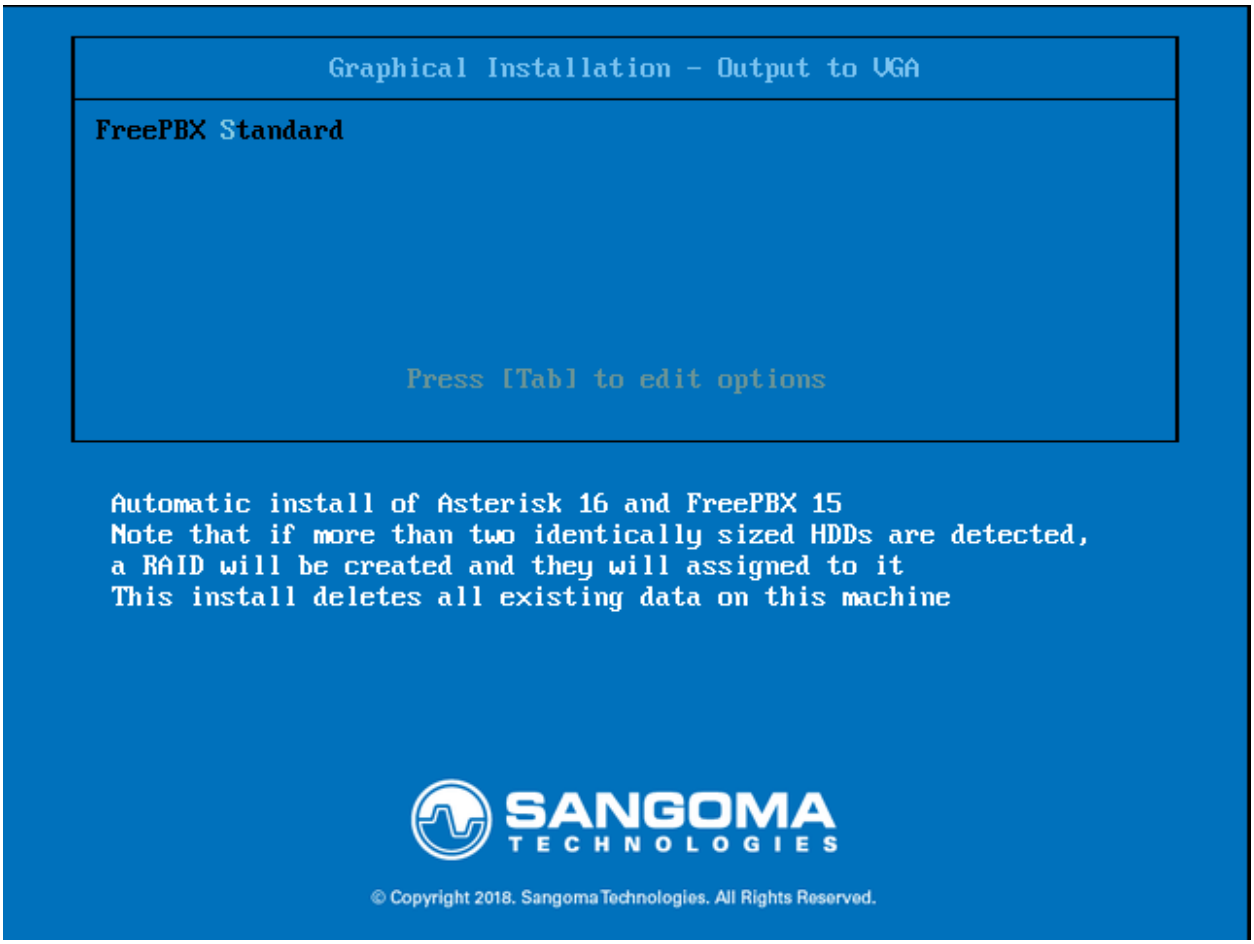
Graphical Installation - Output to VGA
FreePBX Standard
Press [Tab] to edit options
Automatic install of Asterisk 16 and FreePBX 15
Note that if more than two identically sized HDDs are detected,
a RAID will be created and they will assigned to it
This install deletes all existing data on this machine
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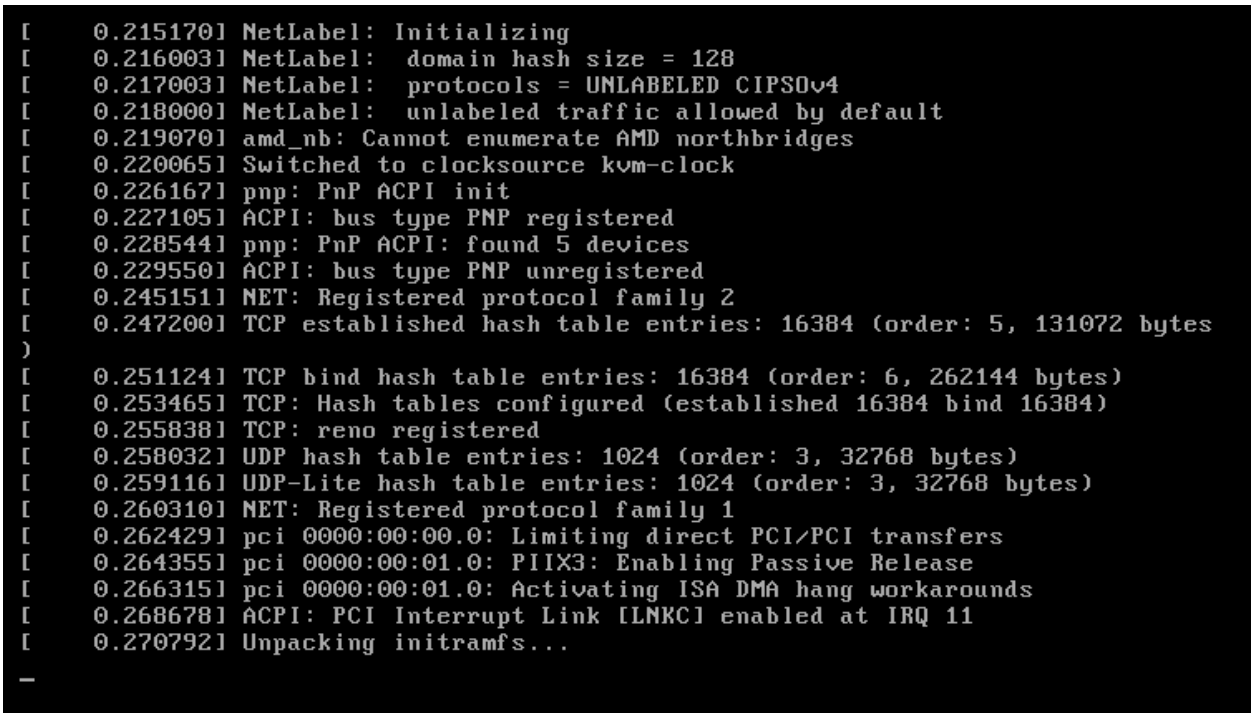
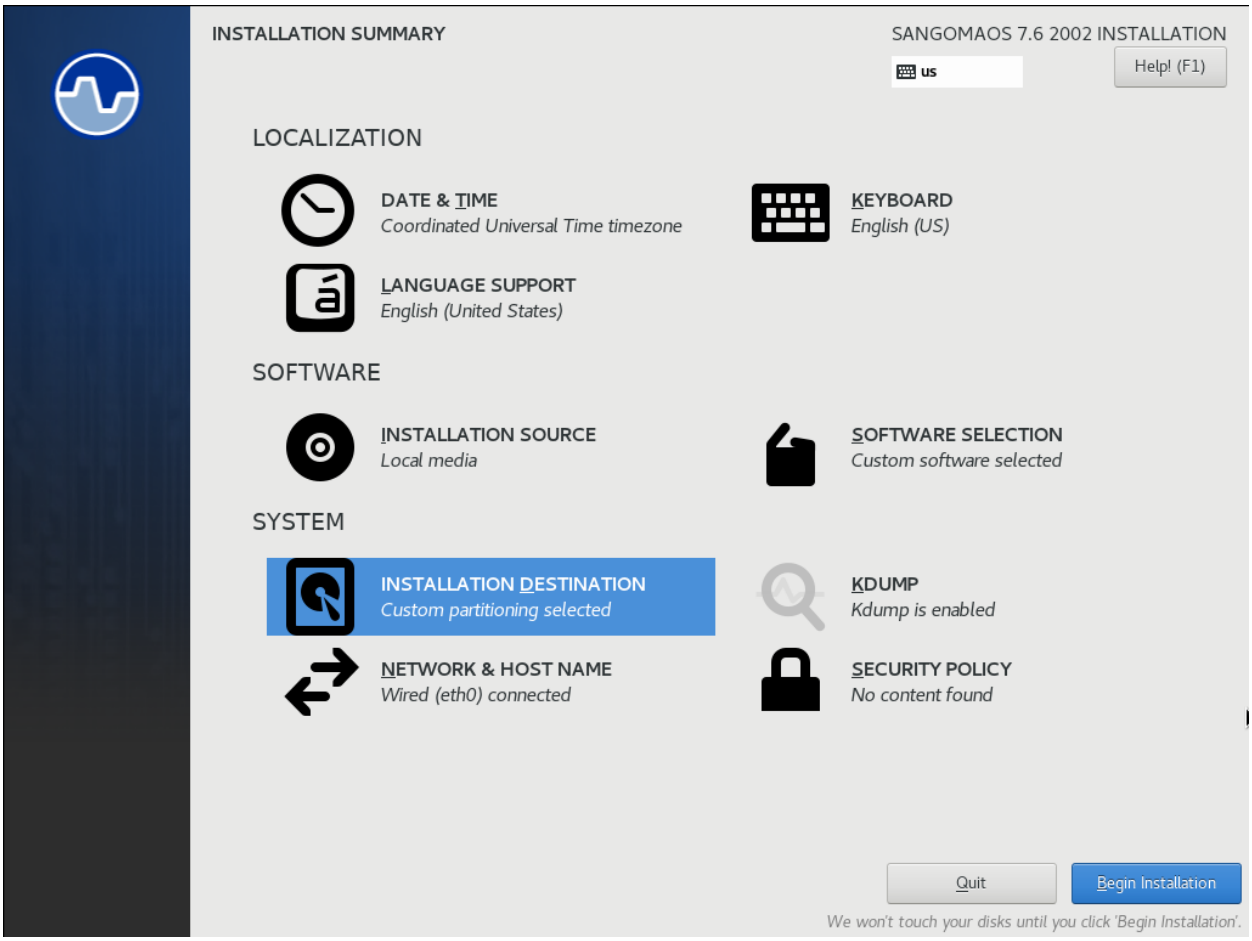
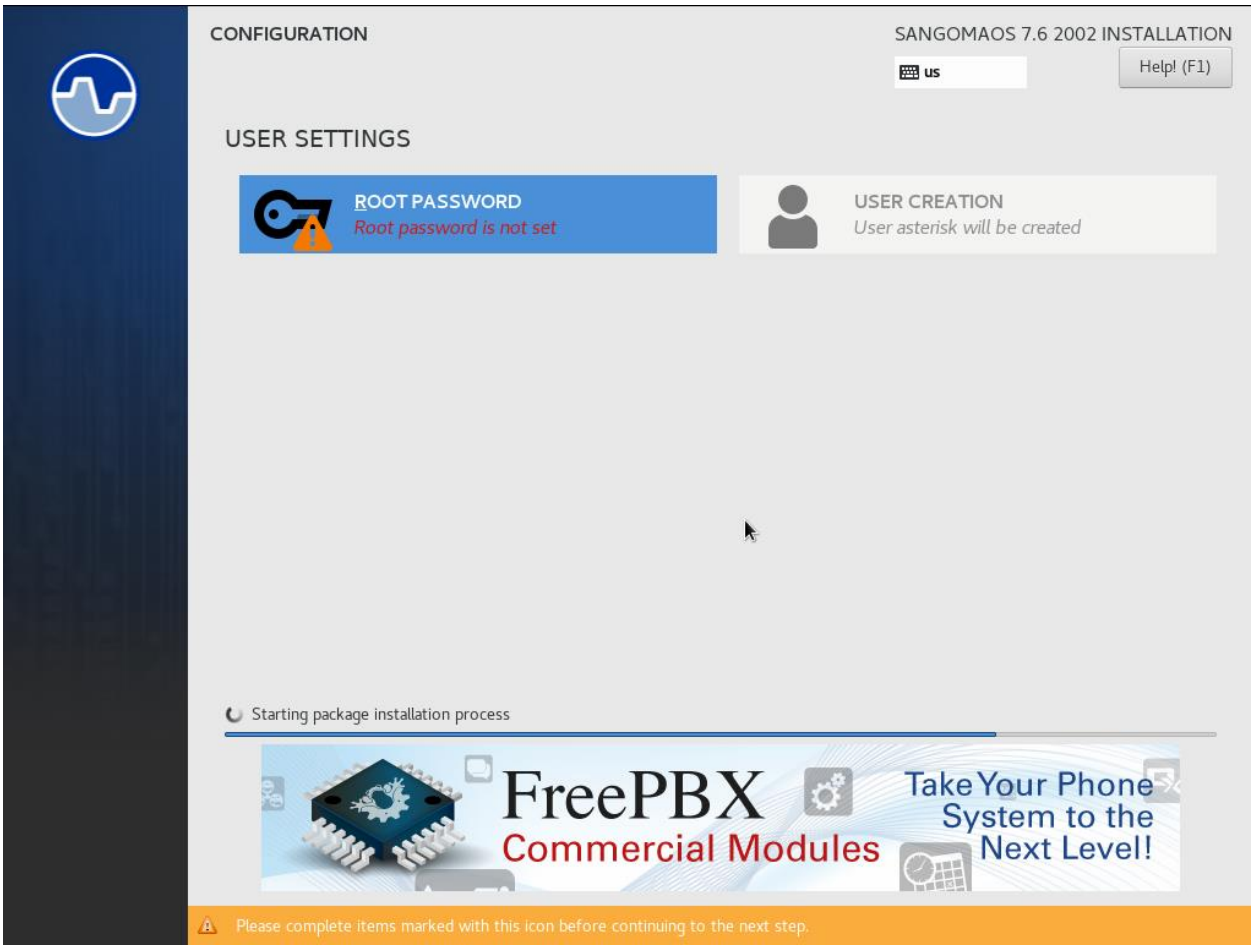
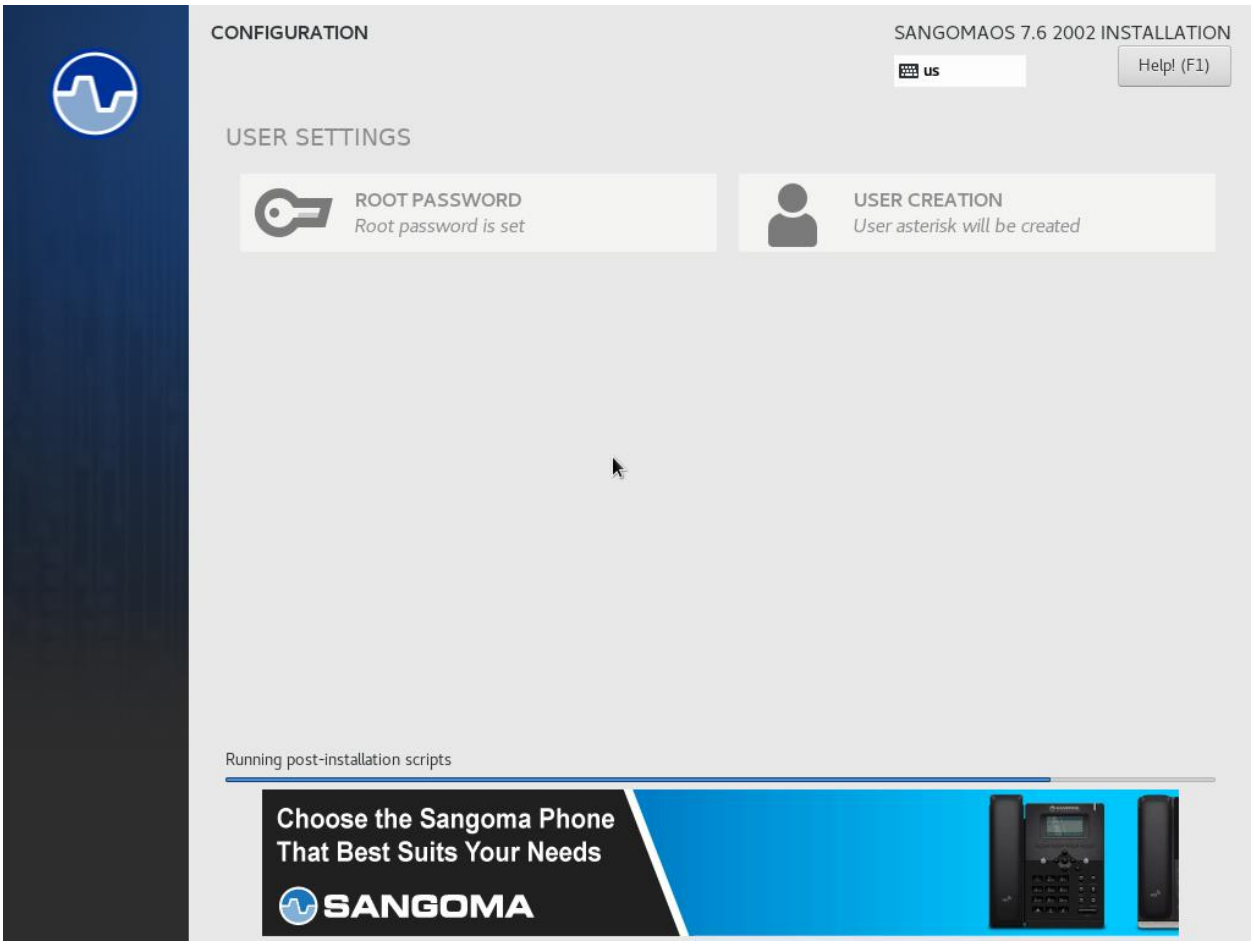

[0.215170] NetLabel: Initializing
[0.216003] NetLabel: domain hash size = 128
[0.217003] NetLabel: protocols = UNLABELED CIPSOv4
[0.218000] NetLabel: unlabeled traffic allowed by default
[0.219070] amd_nb: Cannot enumerate AMD northbridges
[0.220065] Switched to clocksource kvm-clock
[0.226167] pnp: PnP ACPI init
[0.227105] ACPI: bus type PNP registered
[0.228544] pnp: PnP ACPI: found 5 devices
[0.229550] ACPI: bus type PNP unregistered
[0.245151] NET: Registered protocol family 2
[0.247200] TCP established hash table entries: 16384 (order: 5, 131072 bytes
)
[0.251124] TCP bind hash table entries: 16384 (order: 6, 262144 bytes)
[0.253465] TCP: Hash tables configured (established 16384 bind 16384)
[0.255838] TCP: reno registered
[0.258032] UDP hash table entries: 1024 (order: 3, 32768 bytes)
[0.259116] UDP-Lite hash table entries: 1024 (order: 3, 32768 bytes)
[0.260310] NET: Registered protocol family 1
[0.262429] pci 0000:00:00.0: Limiting direct PCI/PCI transfers
[0.264355] pci 0000:00:01.0: PIIX3: Enabling Passive Release
[0.266315] pci 0000:00:01.0: Activating ISA DMA hang workarounds
[0.268678] ACPI: PCI Interrupt Link [LNKC] enabled at IRQ 11
[0.270792] Unpacking initramfs...

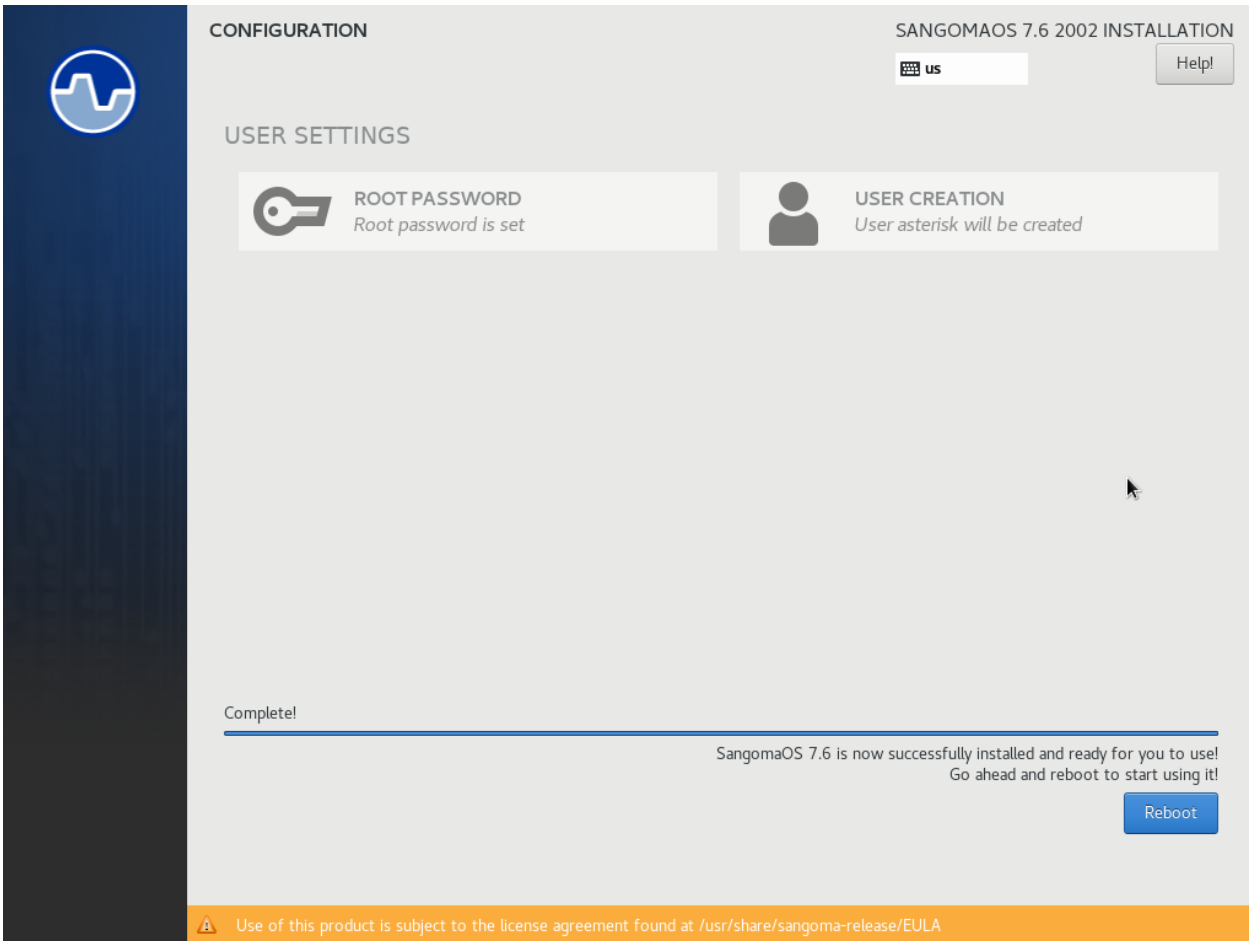


Enter Network and Host Name

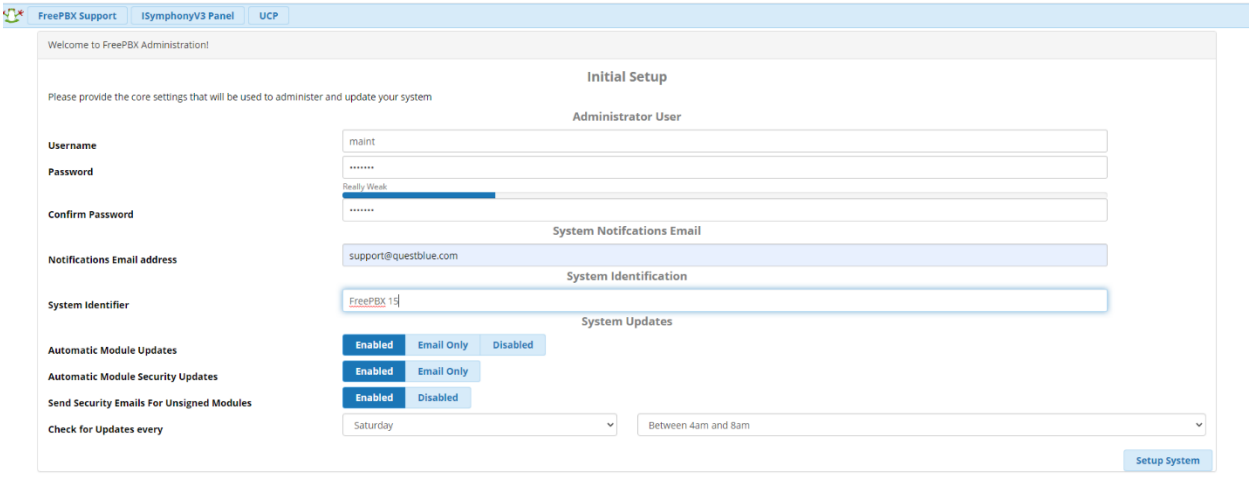


Enter Password for root access of FreePBX


CONFIGURATION
SANGOMAOS 7.6 2002 INSTALLATION
us
Help! (F1)
USER SETTINGS
ROOT PASSWORD
Root password is set
USER CREATION
User asterisk will be created
Running post-installation scripts
Choose the Sangoma Phone
That Best Suits Your Needs
SANGOMA

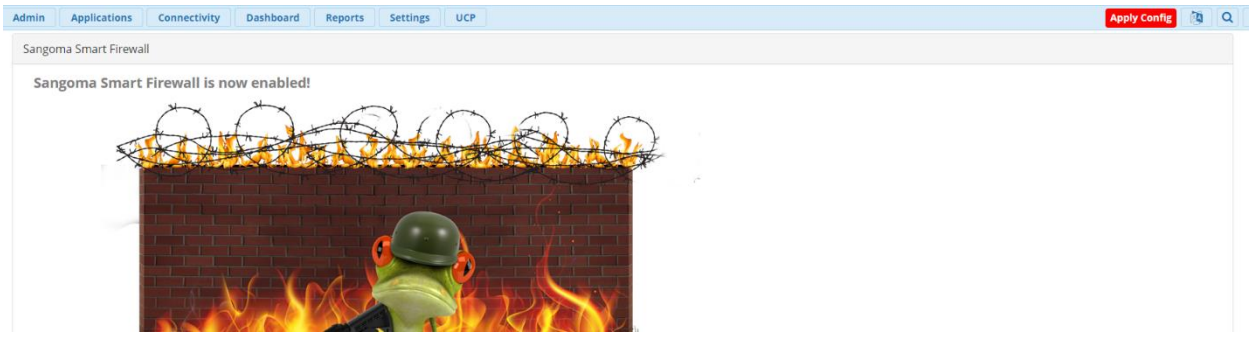


Reboot

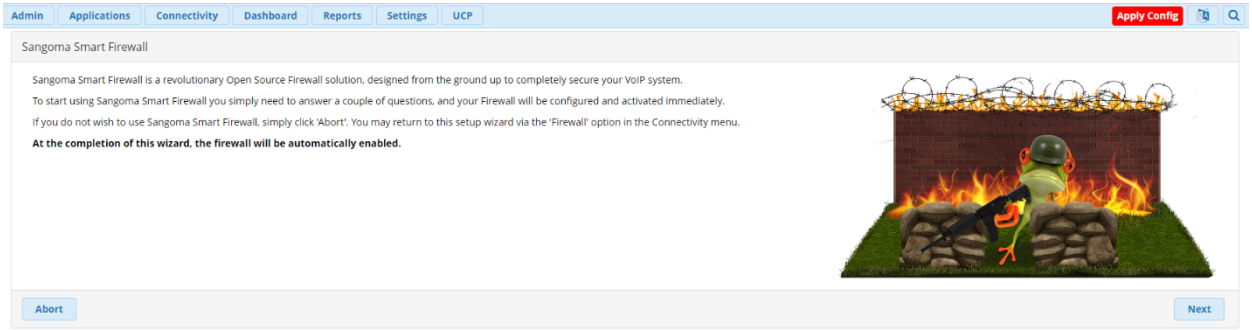


Enter IP address in your Web Browser and begin entering the user credential information

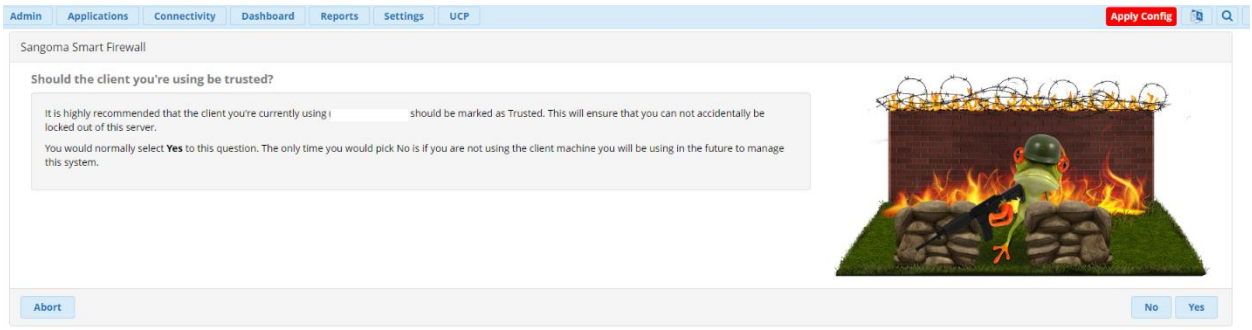
Login to GUI by clicking FreePBX Administration



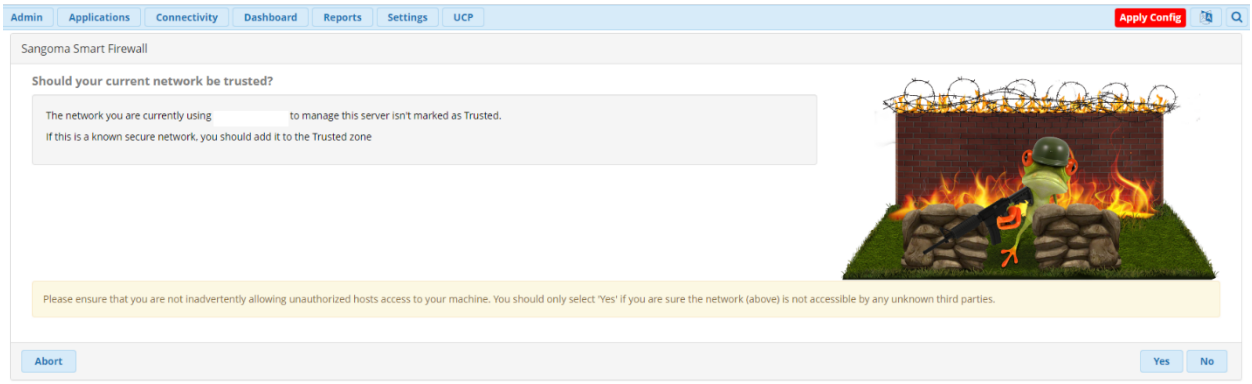
Sangoma Firewall will automatically open select continue



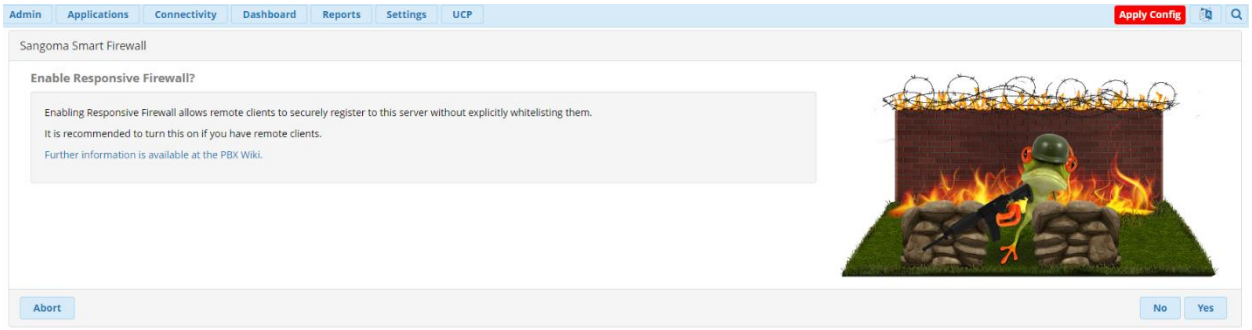
Next


Admin
Applications
Connectivity
Dashboard
Reports
Settings
UCP
Apply Config
Sangoma Smart Firewall
Should the client you're using be trusted?
It is highly recommended that the client you're currently using should be marked as Trusted. This will ensure that you can not accidentally be locked out of this server.
You would normally select Yes to this question. The only time you would pick No is if you are not using the client machine you will be using in the future to manage this system.
Abort
No
Yes

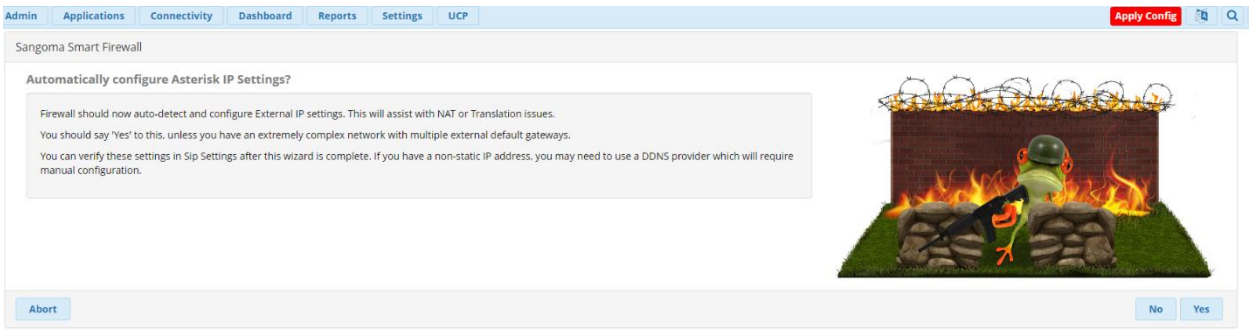
Yes


Admin
Applications
Connectivity
Dashboard
Reports
Settings
UCP
Apply Config
Sangoma Smart Firewall
Should your current network be trusted?
The network you are currently using to manage this server isn't marked as Trusted.
If this is a known secure network, you should add it to the Trusted zone
Please ensure that you are not inadvertently allowing unauthorized hosts access to your machine. You should only select 'Yes' if you are sure the network (above) is not accessible by any unknown third parties.
Abort
Yes
No

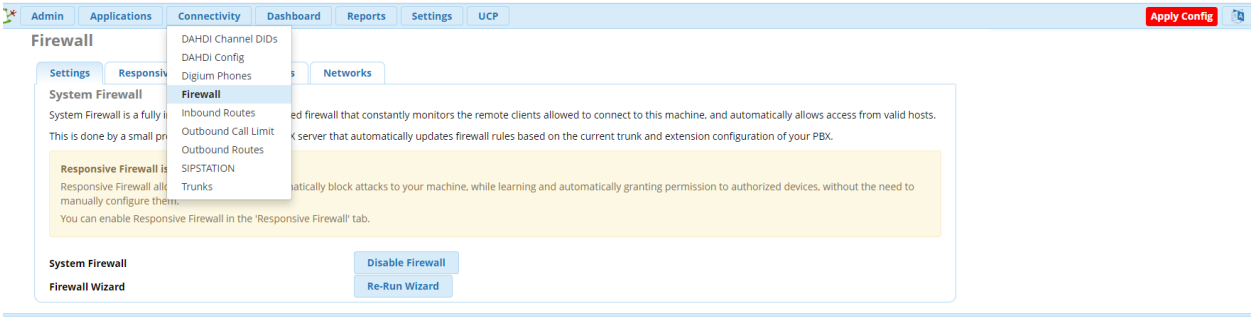
Yes

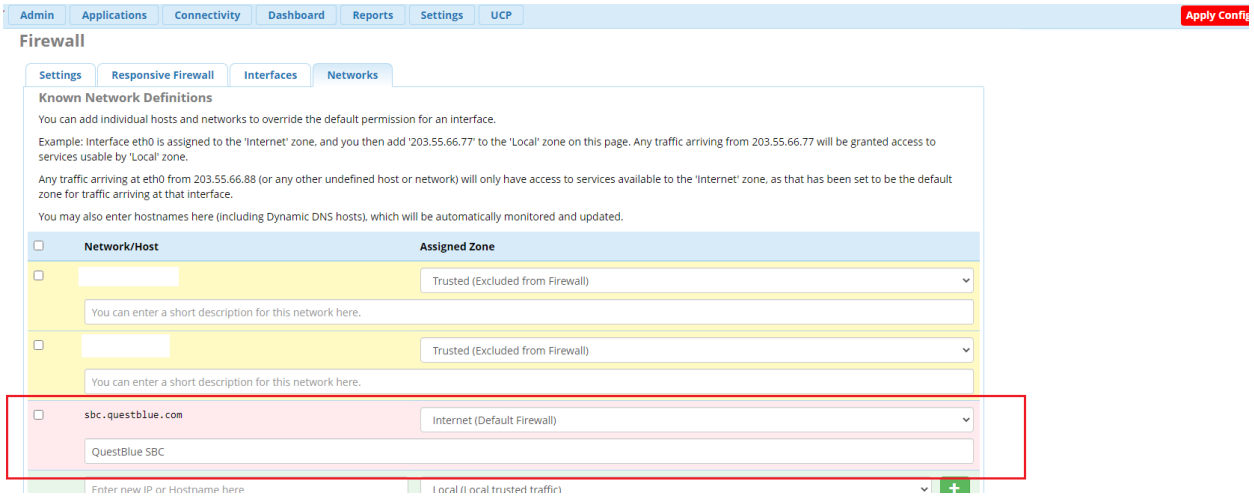

Admin
Applications
Connectivity
Dashboard
Reports
Settings
UCP
Apply Config
Sangoma Smart Firewall
Enable Responsive Firewall?
Enabling Responsive Firewall allows remote clients to securely register to this server without explicitly whitelisting them.
It is recommended to turn this on if you have remote clients.
Further information is available at the PBX Wiki.
Abort
No
Yes

No

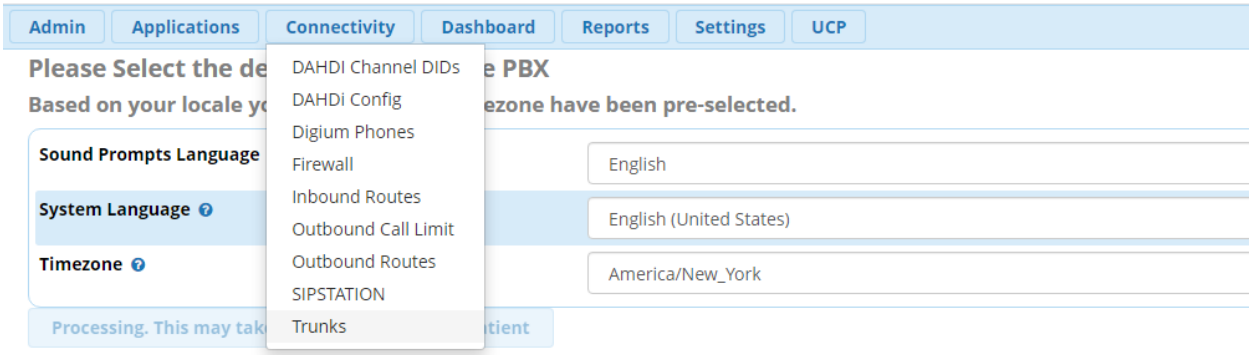

Admin
Applications
Connectivity
Dashboard
Reports
Settings
UCP
Apply Config
Sangoma Smart Firewall
Automatically configure Asterisk IP Settings?
Firewall should now auto-detect and configure External IP settings. This will assist with NAT or Translation issues.
You should say 'Yes' to this, unless you have an extremely complex network with multiple external default gateways.
You can verify these settings in Sip Settings after this wizard is complete. If you have a non-static IP address, you may need to use a DDNS provider which will require manual configuration.
Abort
No
Yes

Yes



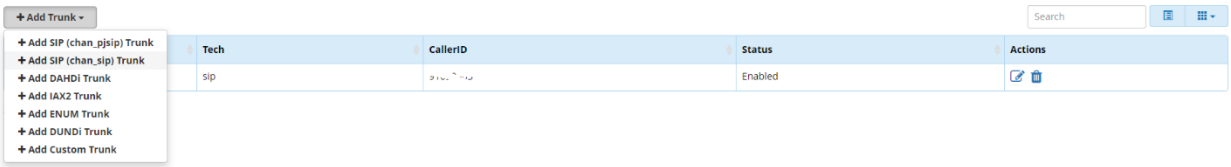


Enter sbc.questblue.com



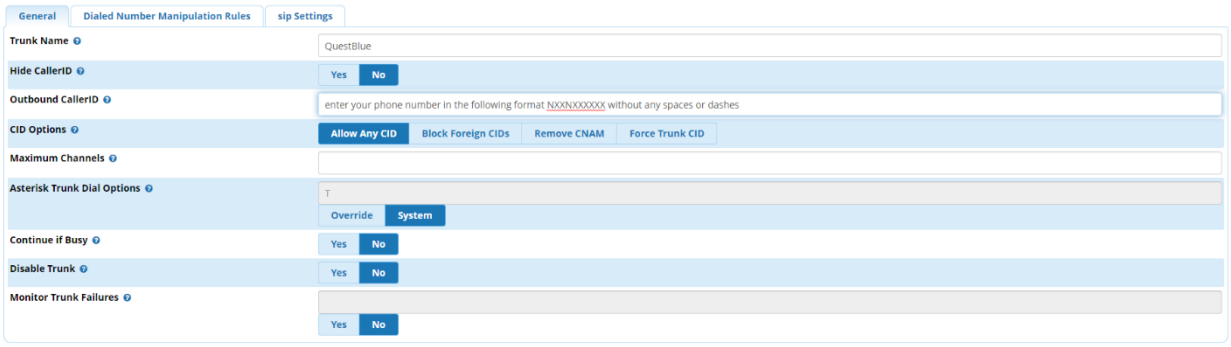
Create your SIP Trunk

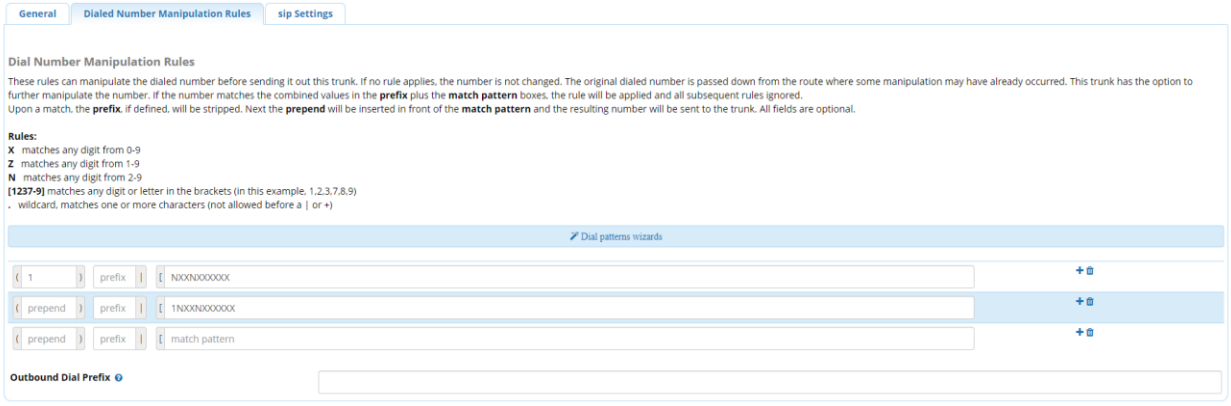
Add chan_sip Trunk

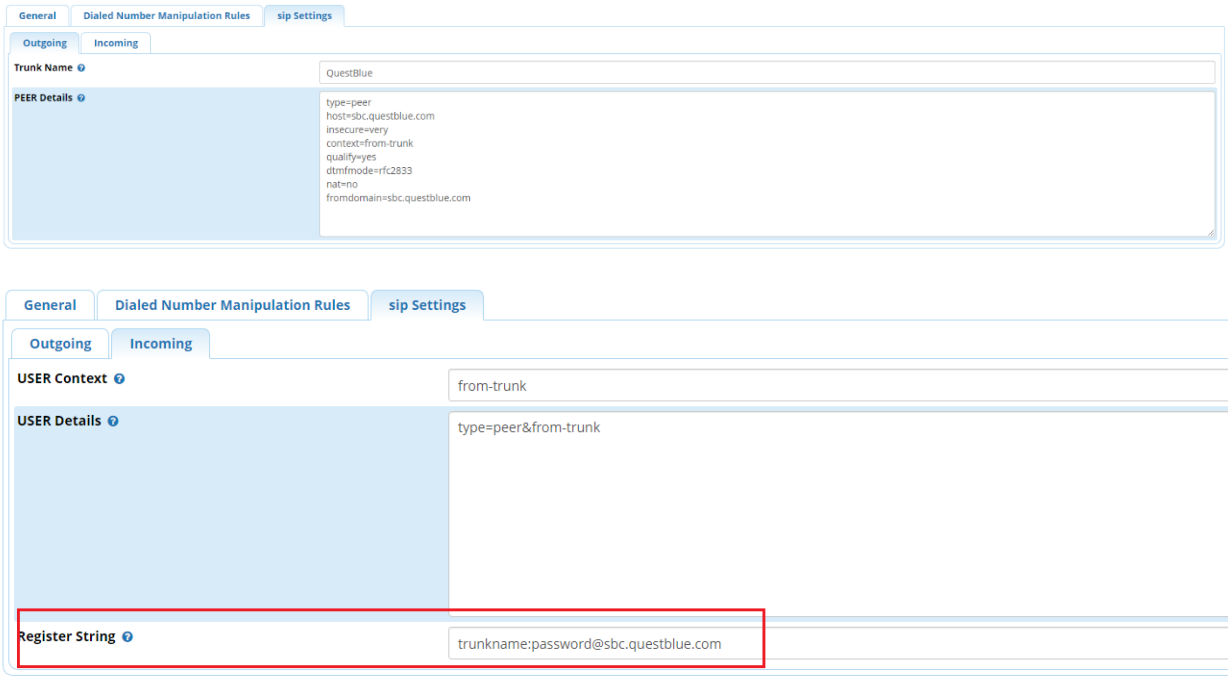


In your customer.questblue.com account create a Registration Trunk

Below follow the instructions for creating the SIP Trunk in FreePBX



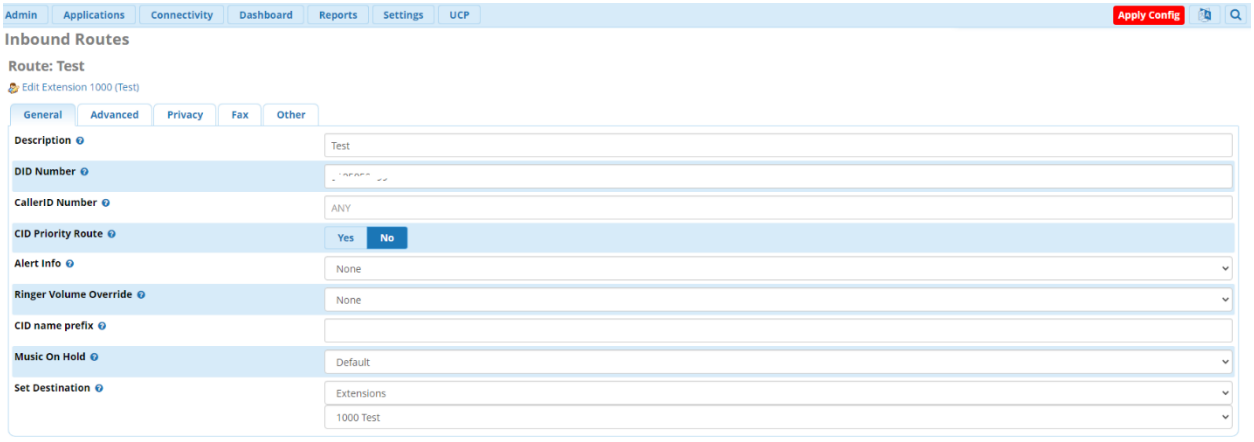




When creating the Registration Trunk in the customer portal enter the information shown in the format above for Registration String

Apply setting and click Apply Config.

Next, create your inbound route from Connectivity > Inbound Routes



Create your inbound route with DID number in the format NXXNXXXXXX

Submit, apply config