

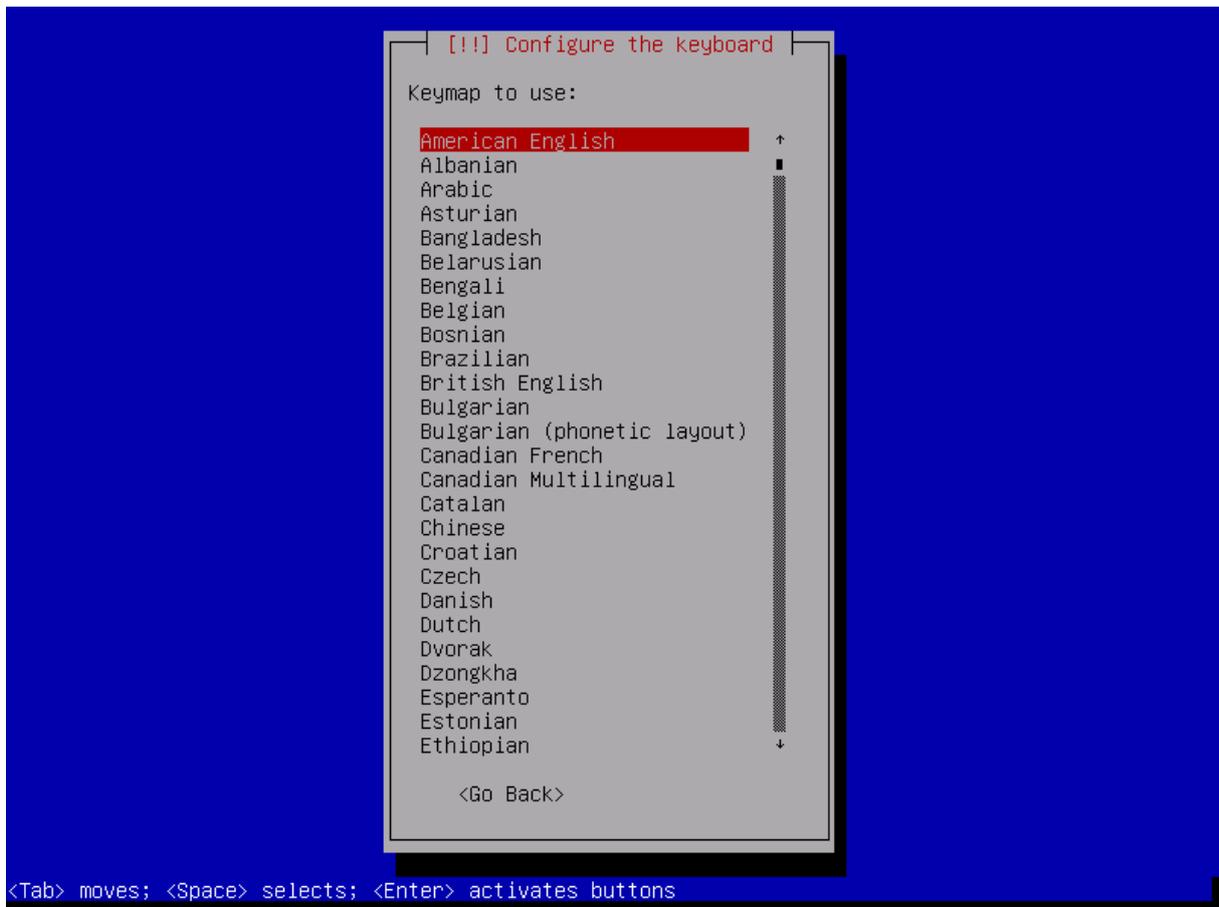
AppShaperBox - Step by Step Installation

1. Download the latest **AppShaperBox (ASB)** 64 bits ISO file <https://asb.unveiltech.com/>
Note that this ISO file contains Linux OS and all software from Unveil Technology.
2. Transfer your ISO file to a CDROM or to a bootable USB stick. See instruction on how to create a bootable USB drive if needed.
3. Note that total RAM memory requirements depends on hard disk size.
Your 1st HDD will be automatically reformatted and installed with built-in Linux OS
4. Boot from the CDROM or USB stick (choose proper option in you Bios menu to select boot drive)
You should get the following screen after booting. Choose the installation mode (graphic or text). Text mode is usually faster.



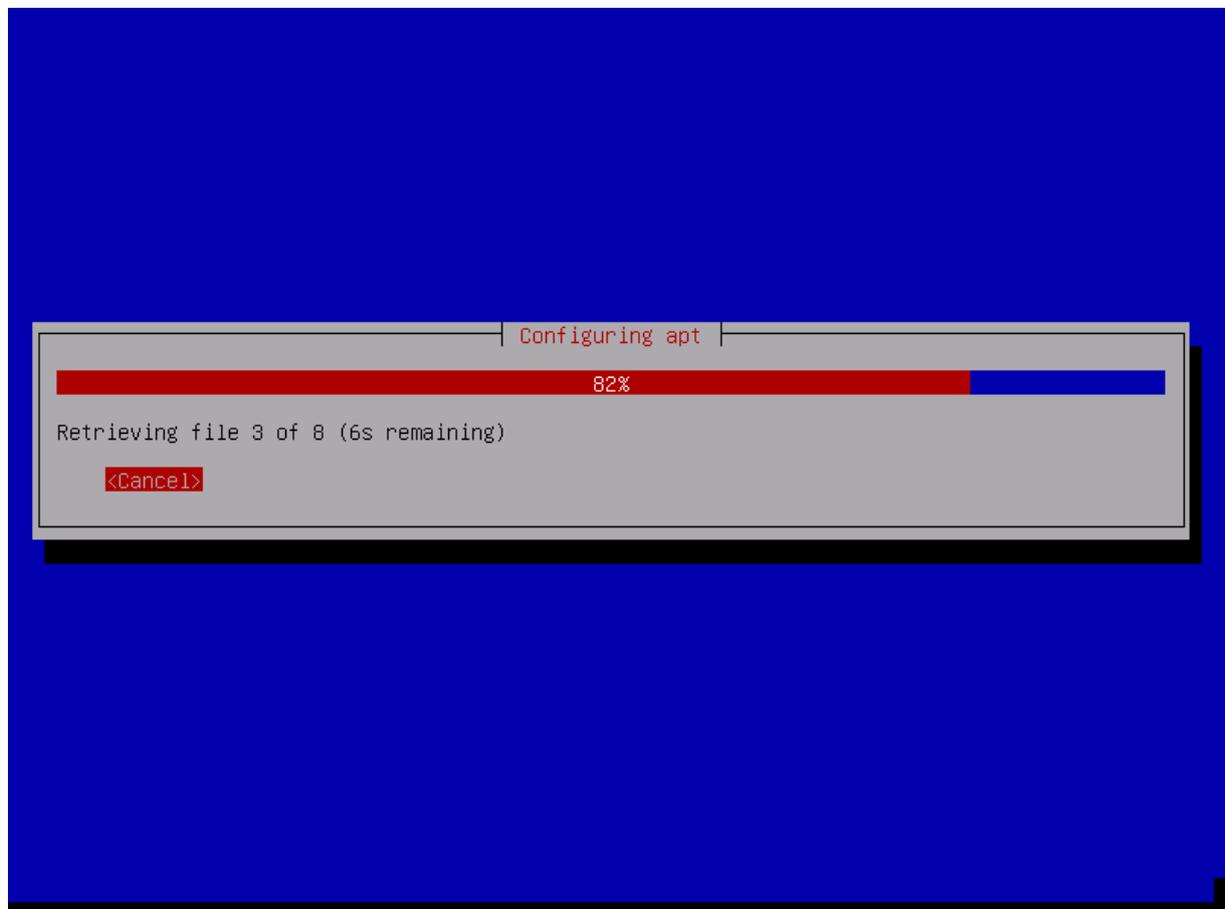
If your hardware is compliant with the technical requirement (64bits) then after few seconds you should get the following screen. If not then please try it on another hardware.

5. Select your language from the list

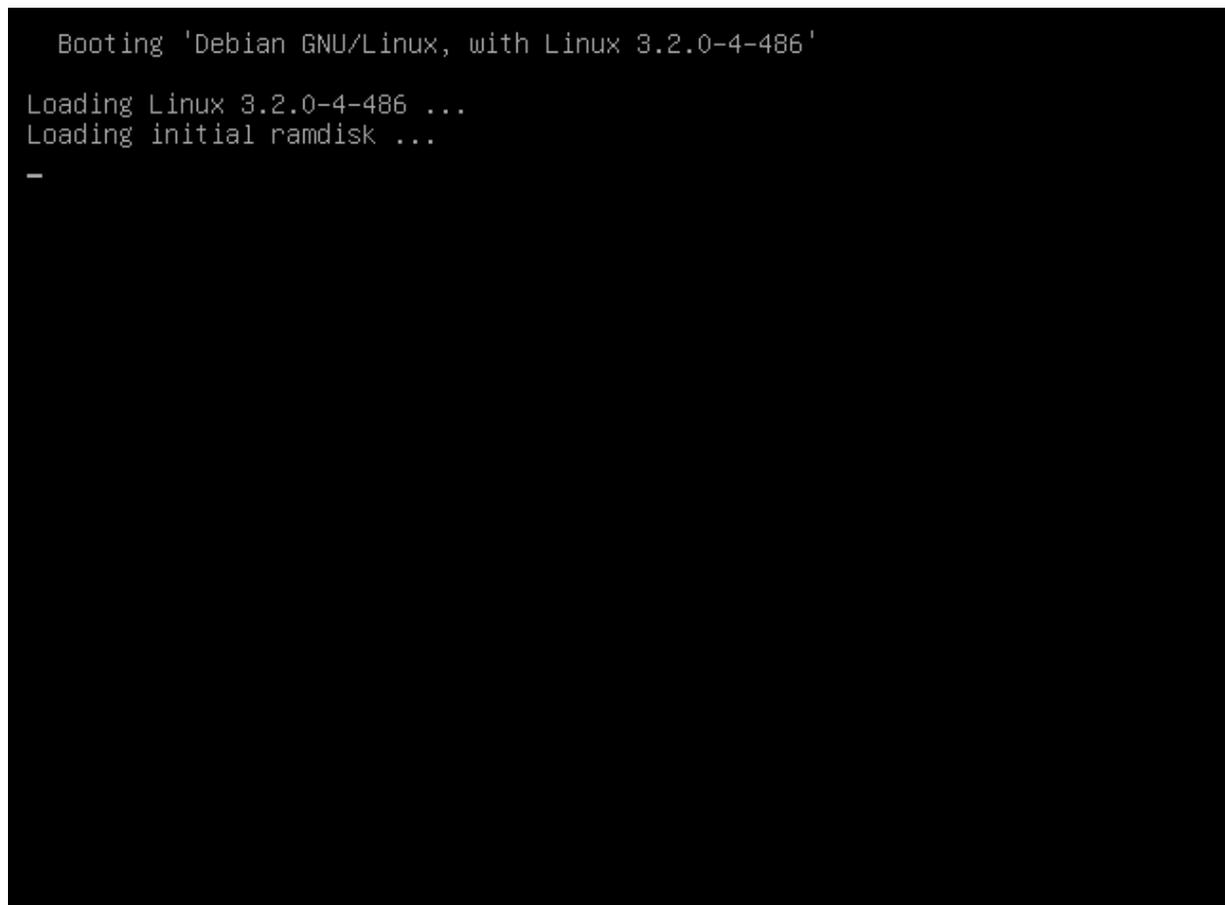


6. From this point, it will automatically install on your PC/Server hard drive all necessary files including Linux OS and **AppShaperBox** software appliance. Please make sure to get Internet access in order for the installation program to download all necessary binaries from Linux Mirror Servers.





7. When all files will be copied and downloaded from Internet onto your hard drive, the installation is almost finished and your appliance will automatically reboot to terminate the installation process.



8. A second automatic reboot is required at the end of this step. File installation is then finished

```
[info] Using makefile-style concurrent boot in runlevel S.
[....] Starting the hotplug events dispatcher: systemd-udevstarting version 232
. ok
[ ok ] Synthesizing the initial hotplug events...done.
[ ok ] Waiting for /dev to be fully populated...done.
[ ok ] Setting up keyboard layout...done.
[ ok ] Activating swap...done.
[warn] Creating compatibility symlink from /etc/mtab to /proc/mounts. ... (warning).
[ ok ] Activating lvm and md swap...done.
[....] Checking file systems...fsck from util-linux 2.29.2
done.
[ ok ] Cleaning up temporary files... /tmp.
[ ok ] Mounting local filesystems...done.
[ ok ] Activating swapfile swap...done.
[ ok ] Starting Binary Installation... (Next reboot is normal)..
[ ok ] GRUB Update...:
INIT: Switching to runlevel: 6
INIT: Sending processes the TERM signal
[info] Using makefile-style concurrent boot in runlevel 6.
[....] Stopping cgroup management proxy daemon: cgproxy[....] Stopping cgroup management daemon: cgm
anagerStopping memcached: memcached.
[ ok ] Stopping MTA:.
[ ok ] Stopping virtual private network daemon:.
[ ok ] Stopping SNMP services:: snmpd[....] Stopping nginx: nginx.
[ ok ] Asking all remaining processes to terminate...done.
[ ok ] All processes ended within 1 seconds...done.
[ ok ] Stopping enhanced syslogd: rsyslogd already stopped.
[....] Deconfiguring network interfaces...Internet Systems Consortium DHCP Client 4.3.5
Copyright 2004-2016 Internet Systems Consortium.
All rights reserved.
For info, please visit https://www.isc.org/software/dhcp/

Listening on LPF/ens33/00:0c:29:19:82:cb
Sending on LPF/ens33/00:0c:29:19:82:cb
Sending on Socket/fallback
done.
-
```

9. The second reboot will then start the **AppShaperBox** software appliance automatically –
Below is the boot menu that will start your **AppShaperBox** after few seconds

```
INIT: version 2.88 booting
[info] Using makefile-style concurrent boot in runlevel S.
[....] Starting the hotplug events dispatcher: systemd-udevstarting version 232
. ok
[ ok ] Synthesizing the initial hotplug events...done.
[ ok ] Waiting for /dev to be fully populated...done.
[ ok ] Setting up keyboard layout...done.
[ ok ] Activating swap...done.
[ ok ] Activating lvm and md swap...done.
[....] Checking file systems...fsck from util-linux 2.29.2
done.
[ ok ] Cleaning up temporary files... /tmp.
[ ok ] Mounting local filesystems...done.
[ ok ] Activating swapfile swap...done.
[ ok ] Cleaning up temporary files....
[ ok ] Setting kernel variables...done.
[....] Configuring network interfaces...ifup: waiting for lock on /run/network/ifstate.ens33
ifup: interface ens33 already configured
done.
[ ok ] Cleaning up temporary files....
[ ok ] Setting sensors limits...done.
INIT: Entering runlevel: 2
[info] Using makefile-style concurrent boot in runlevel 2.
[ ok ] Starting cgroup management daemon: cgmanager[....] Setting up console font and keymap...done.
[ ok ] Starting cgroup management proxy daemon: cgproxy.
[ ok ] Starting enhanced syslogd: rsyslogd.
[ ok ] Starting periodic command scheduler: cron.
[ ok ] Starting system message bus: dbus.
[ ok ] Starting MTA: exim4.
Starting memcached: memcached.
[ ok ] Starting nginx: nginx.
[ ok ] Starting NTP server: ntpd.
[ ok ] Starting virtual private network daemon:.
[ ok ] Starting SNMP services:: snmpd[....] Starting OpenBSD Secure Shell server: sshd.
[ ok ] Starting AppShaperBox Pre-Initialization: please wait...:
[ ok ] Starting AppShaperBox Initialization: please wait...:
[....] Applying the AppShaperBox Optimization, do NOT reboot...:_
```

10. When starting, your **AppShaperBox** will display the following messages. These are just informational messages and should be ignored.

```
[ ok ] Starting SNMP services:: snmpd[....] Starting OpenBSD Secure Shell server: sshd.
[ ok ] Starting AppShaperBox Pre-Initialization: please wait...:
[ ok ] Starting AppShaperBox Initialization: please wait...:
INIT: Switching to runlevel: 60x Optimization, do NOT reboot...:
INIT: Sending processes the TERM signal
[info] Using makefile-style concurrent boot in runlevel 6.
[....] Stopping cgroup management proxy daemon: cgproxy[....] Stopping cgroup management daemon: cgm
anagerStopping memcached: memcached.
[ ok ] Stopping MTA: exim4_listener.
[FAIL] Stopping MariaDB database server: mysqld failed!
[ ok ] Stopping SNMP services:: snmpd[....] Stopping nginx: nginx.
[ ok ] Asking all remaining processes to terminate...done.
Currently running processes (pstree):
init+-mysqld_safe+-logger
  |
  |   -mysqld---25*[{mysqld}]
  |   |
  |   |   -rc---startpar---sendsigs---pstree
  |   |   |
  |   |   |   -rsyslogd+-{in:imklog}
  |   |   |   |
  |   |   |   |   |-{in:imuxsock}
  |   |   |   |   |
  |   |   |   |   |   -{rs:main Q:Reg}
  |   |   |   |   |
  |   |   |   |   |   [FAIL] Killing all remaining processes...failed.
  |   |   |   |   |
  |   |   |   |   |   [ ok ] Stopping enhanced syslogd: rsyslogd.
  |   |   |   |   |   [....] Deconfiguring network interfaces...Removed stale PID file
  |   |   |   |   |   Internet Systems Consortium DHCP Client 4.3.5
  |   |   |   |   |   Copyright 2004-2016 Internet Systems Consortium.
  |   |   |   |   |   All rights reserved.
  |   |   |   |   |   For info, please visit https://www.isc.org/software/dhcp/
  |   |   |   |   |
  |   |   |   |   |   Listening on LPF/ens33/00:0c:29:f1:d6:5d
  |   |   |   |   |   Sending on LPF/ens33/00:0c:29:f1:d6:5d
  |   |   |   |   |   Sending on Socket/fallback
  |   |   |   |   |   DHCPRELEASE on ens33 to 192.168.183.254 port 67
  |   |   |   |   |   done.
  |   |   |   |   |   [info] Saving the system clock.
  |   |   |   |   |   [info] Hardware Clock updated to Sun Jun 16 09:43:44 BST 2019.
  |   |   |   |   |   [ ok ] Deactivating swap...done.
  |   |   |   |   |   [info] Will now restart.
  |   |   |   |   |
  |   |   |   |   |   _
```

Then last initialization step with a new reboot can take few minutes to be performed. Once done your **AppShaperBox** is up and running, CONGRATULATION !!!!

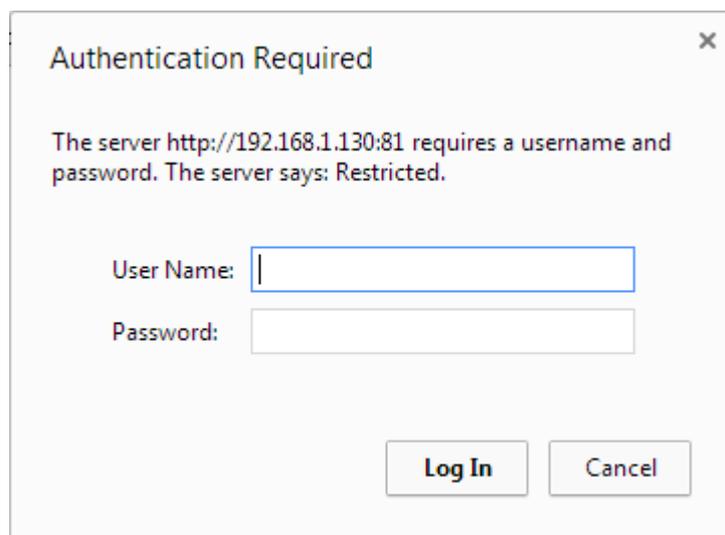
11. When the **AppShaperBox** is running, it displays the following menu. Showing you the default settings and menu.

```
Unveil Technology - AppShaperBox v1.1111-9
http://www.unveiltech.com
support@unveiltech.com

----- Main Network Interface -----
Gateway IP Address : 192.168.183.2
IP Address         : 192.168.183.138
MAC Address        : 00:0C:29:19:82:CB
DNS IP Address     : 1.1.1.1
Management Console : http://192.168.183.138:81
-----

Menu:
1) Realtime Logs
2) IP Address settings
3) Reboot the AppShaperBox
4) Shutdown the AppShaperBox
-----
Please Select (1,2,3,4) [1]: _
```

12. From here you can make settings by typing on your PC's browser the IP address of your VCB to log onto the web console (IP is shown in menu above). From the screen below you need to log onto your web console. By default the account & password are: **admin**, **admin** and should be changed rapidly in the console ("My account" menu)



The image shows a standard Windows-style dialog box titled "Authentication Required" with a close button (X) in the top right corner. The text inside the dialog reads: "The server http://192.168.1.130:81 requires a username and password. The server says: Restricted." Below this text are two input fields: "User Name:" followed by a text box, and "Password:" followed by a text box. At the bottom of the dialog are two buttons: "Log In" and "Cancel".

13. You are now connected to your **AppShaperBox** to make all necessary settings. ENJOY !!!.