Installation de Observium

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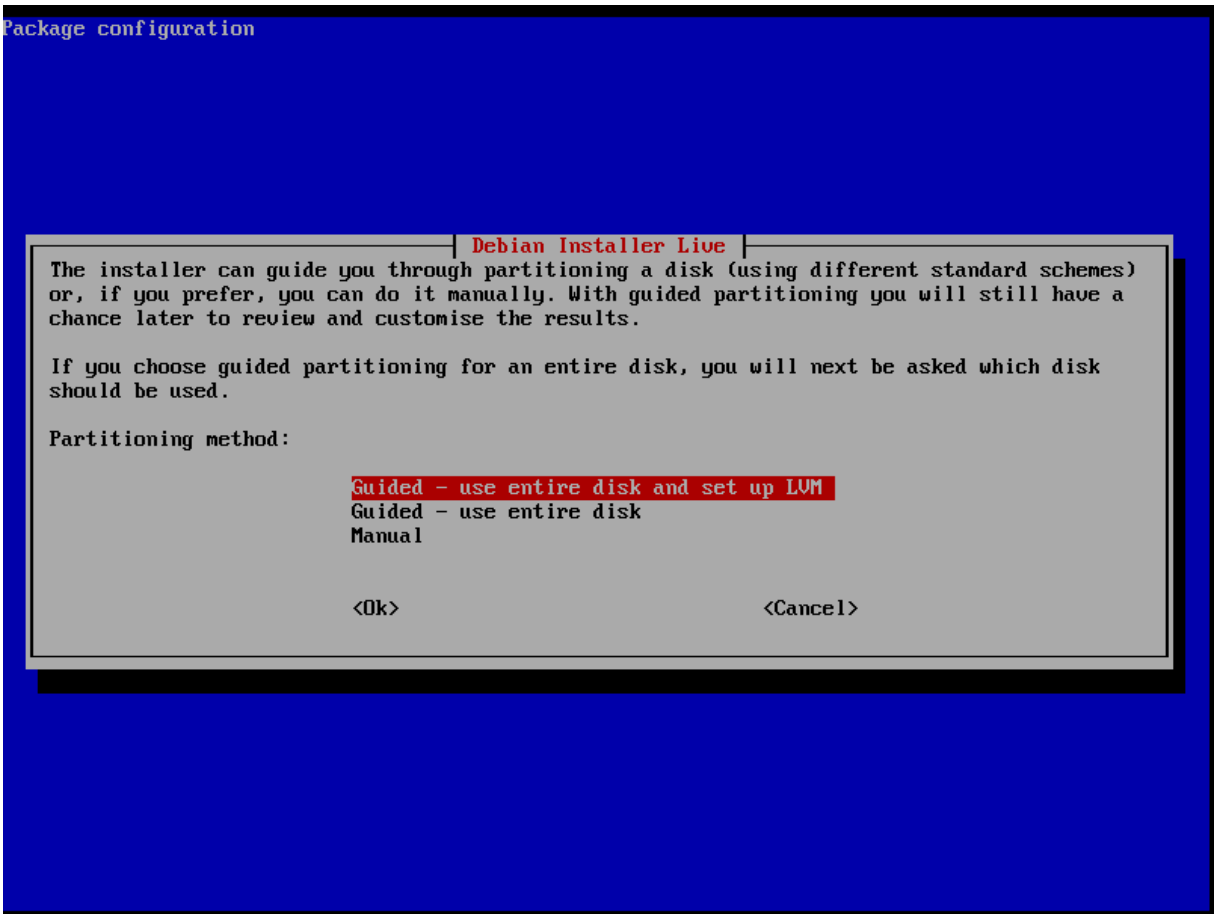
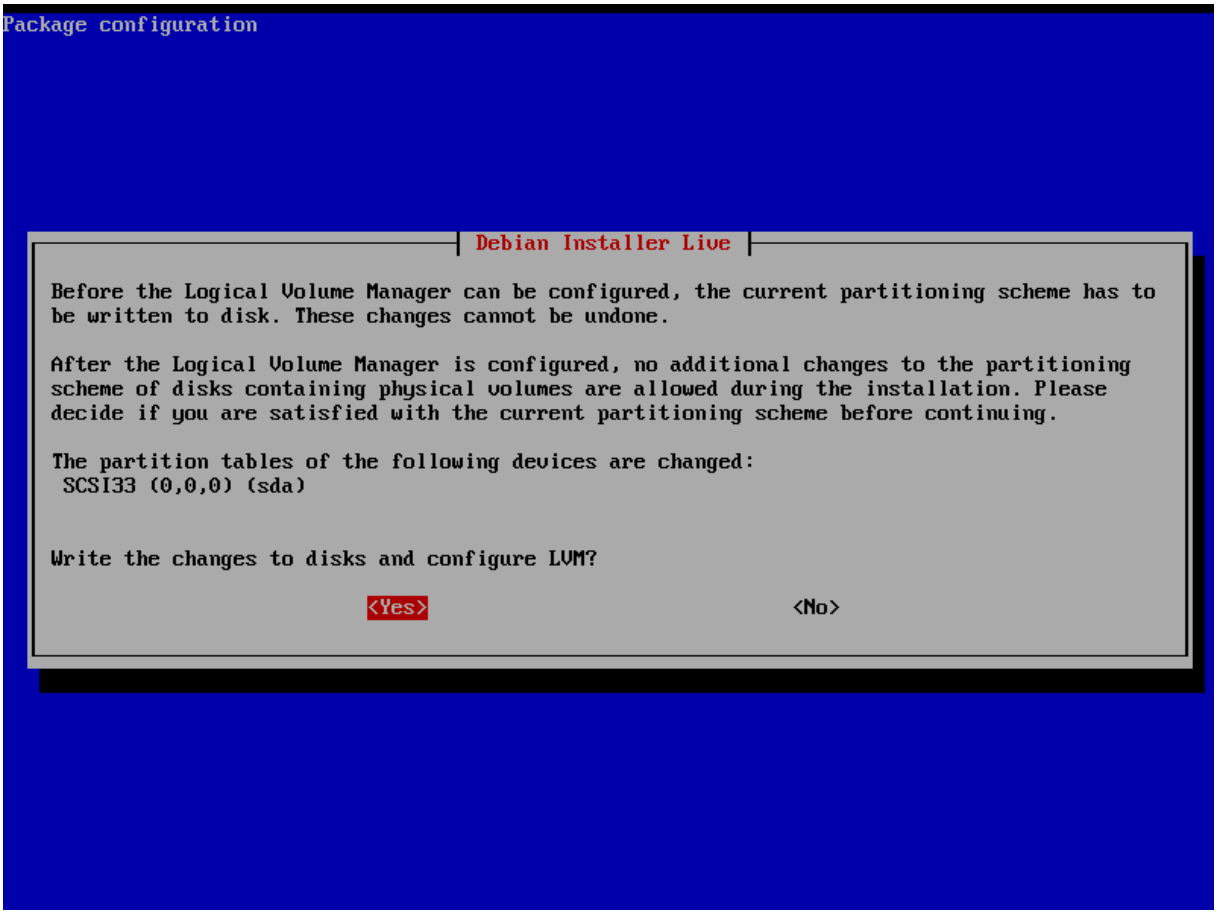
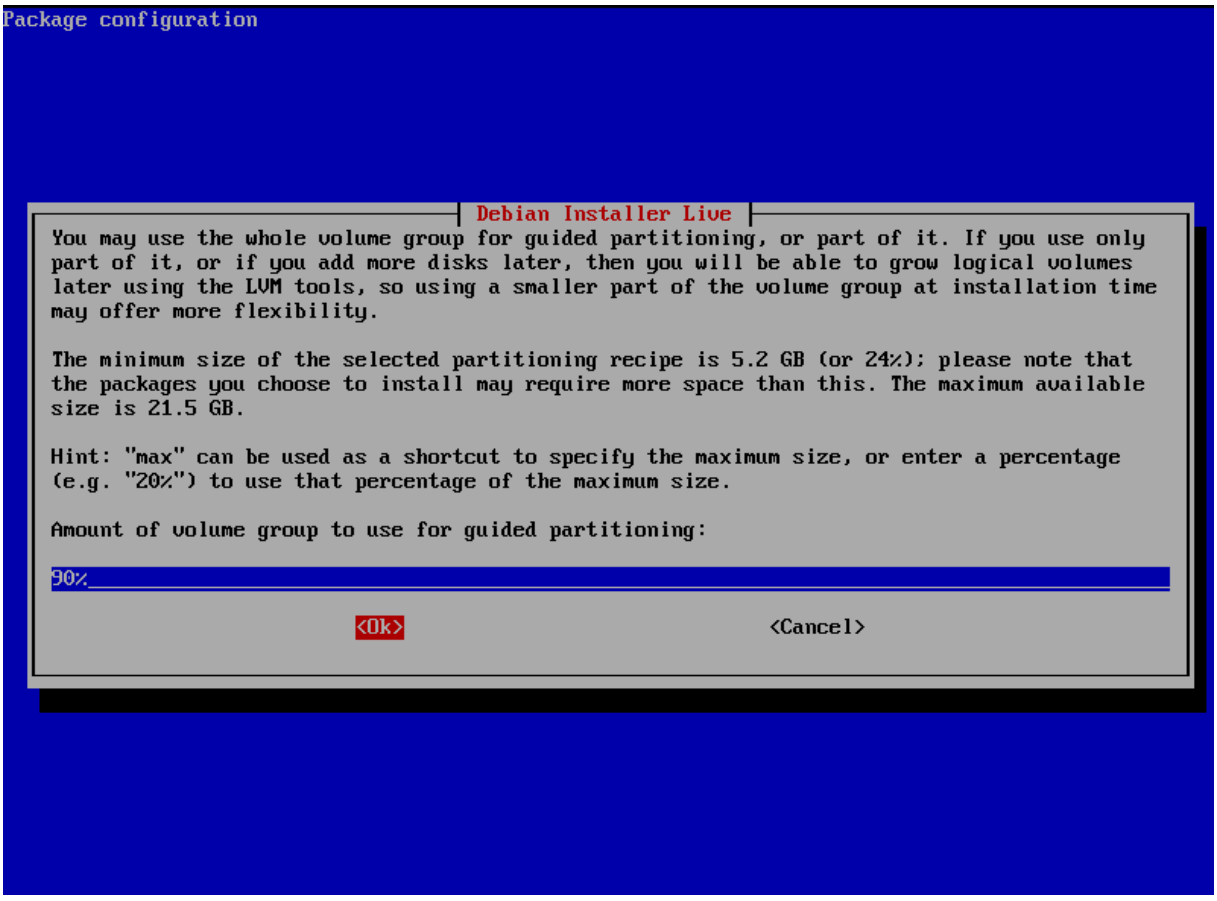
Création de la machine virtuelle

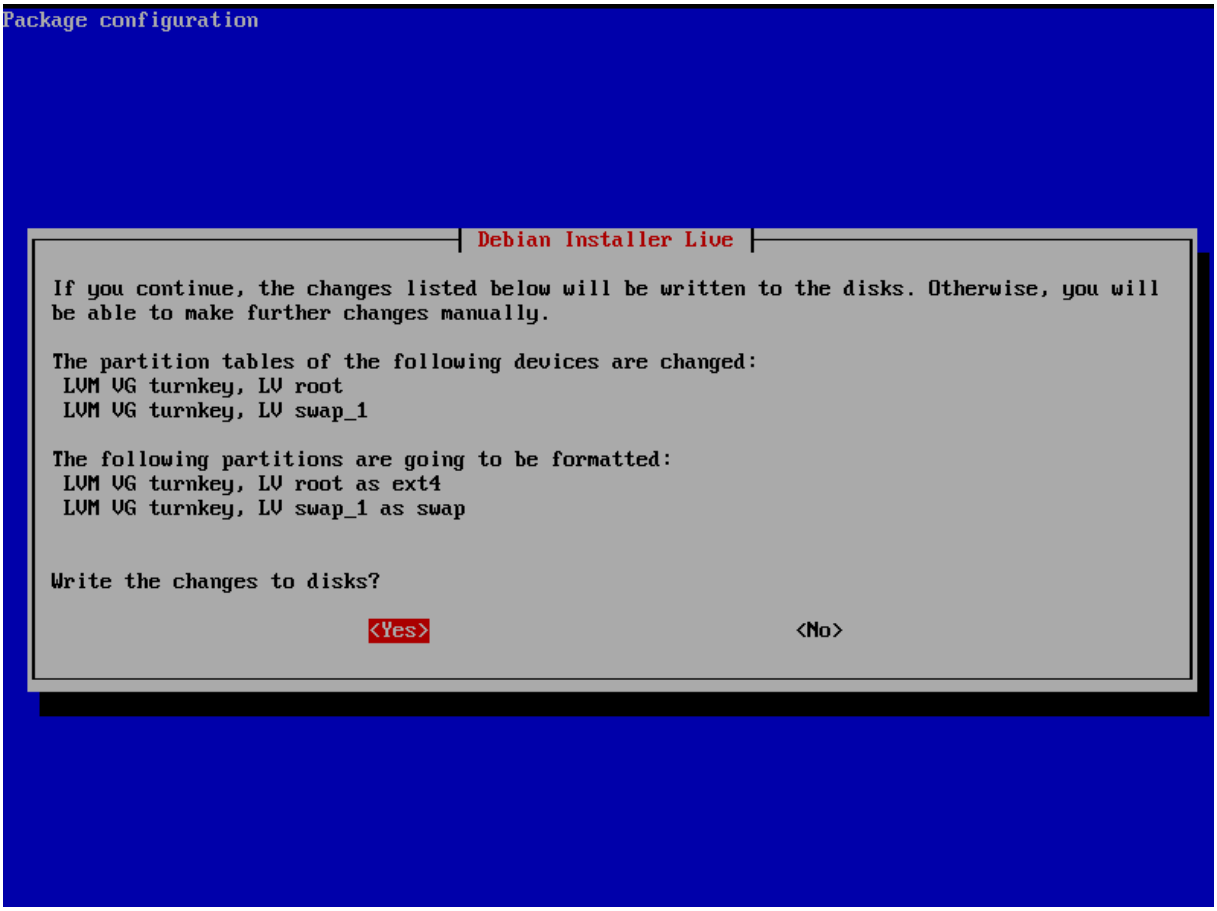
Caractéristique	Configuration minimale	Configuration choisi
Système d'exploitation	Utilisation de l'appliance Observium prête à l'emploi	Utilisation de l'appliance Observium prête à l'emploi
Espace disque	Au moins 10 Go	20 Go
Mémoire RAM	Minimum de 2 Go	4 Go
Processeur	x86_64 (64 bits)	64 bits
Accès Internet	Requis pour les mises à jour automatiques et les téléchargements de plugins	oui
Configuration réseau	1 carte réseau (accès par pont)	1 carte réseau (accès par pont)

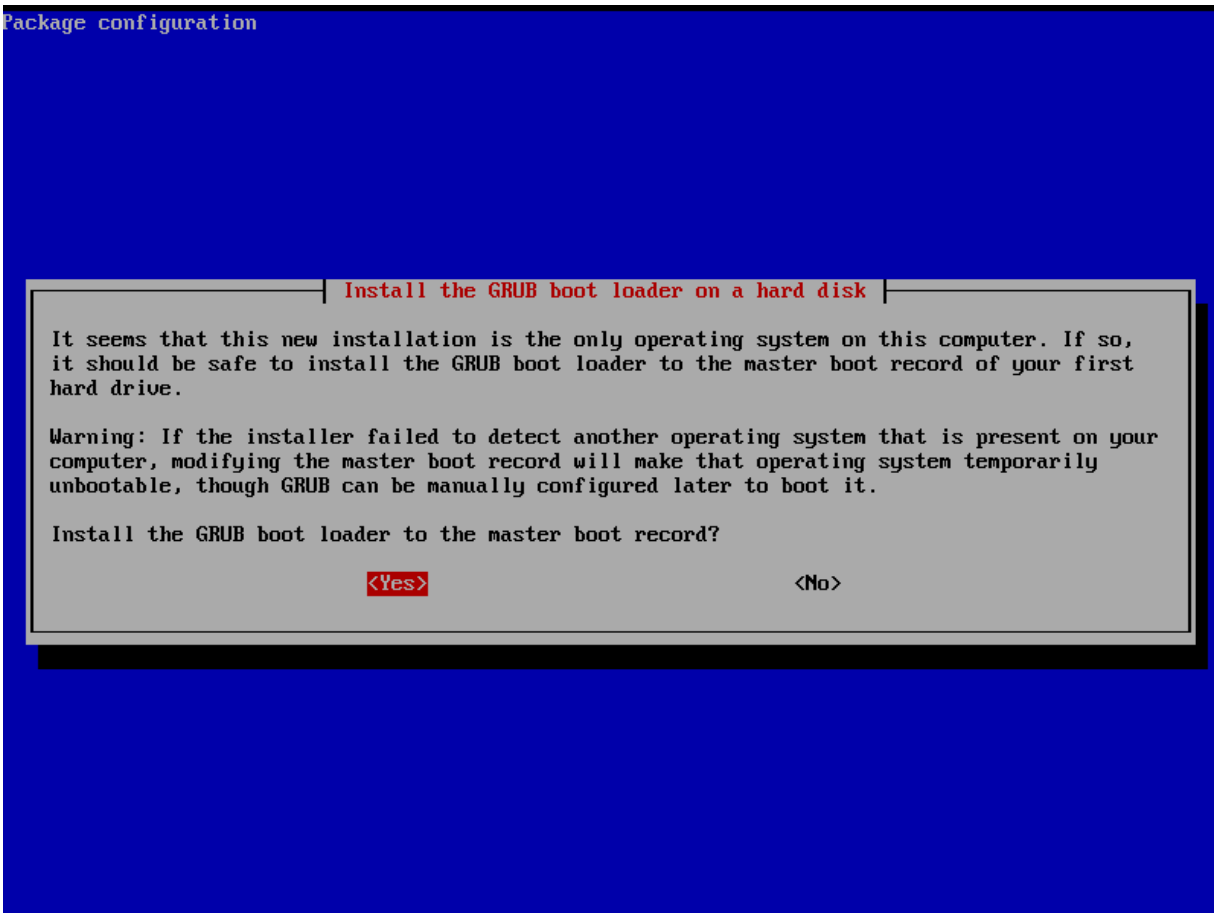
Installation d'Observium

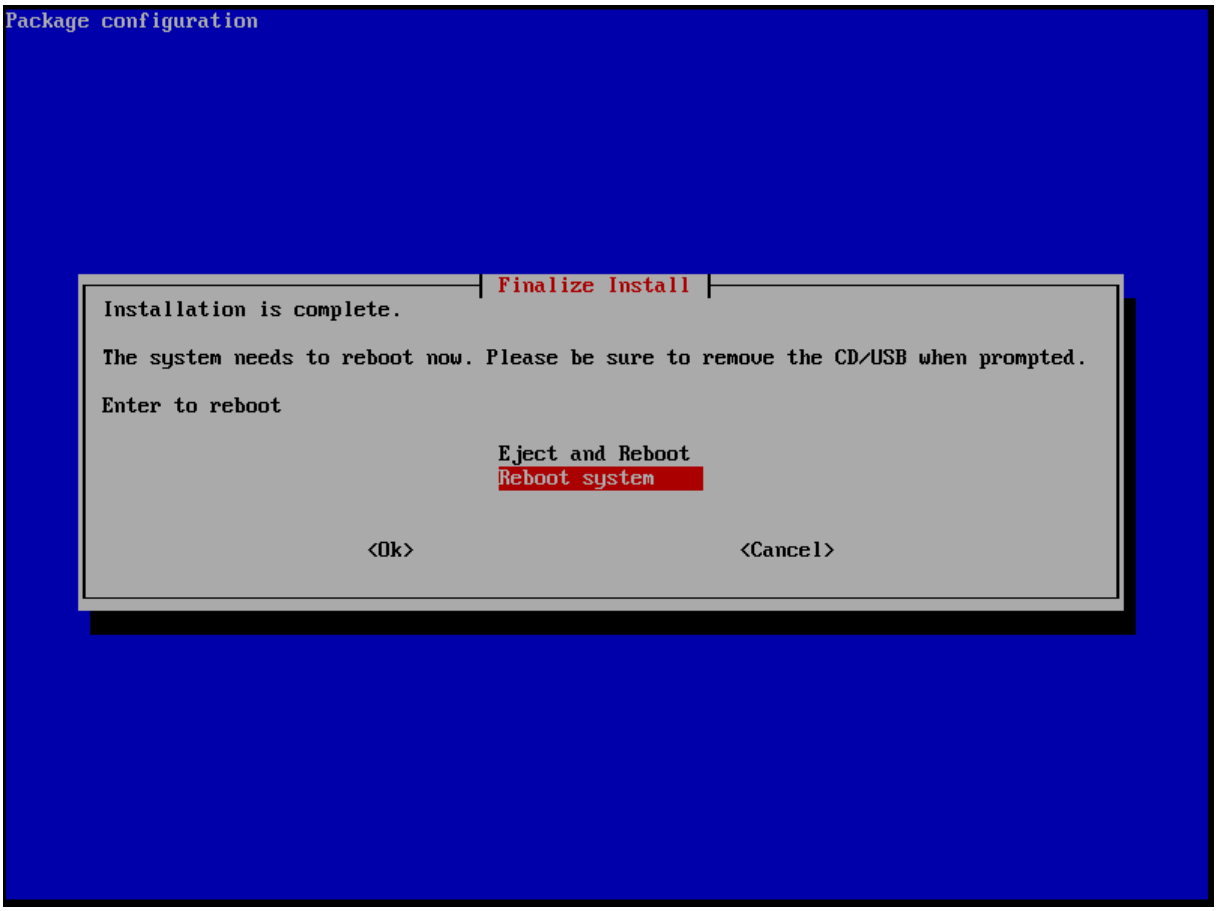

Package configuration
Debian Installer Live
The installer can guide you through partitioning a disk (using different standard schemes) or, if you prefer, you can do it manually. With guided partitioning you will still have a chance later to review and customise the results.
If you choose guided partitioning for an entire disk, you will next be asked which disk should be used.
Partitioning method:
Guided - use entire disk and set up LVM
Guided - use entire disk
Manual
<Ok>
<Cancel>

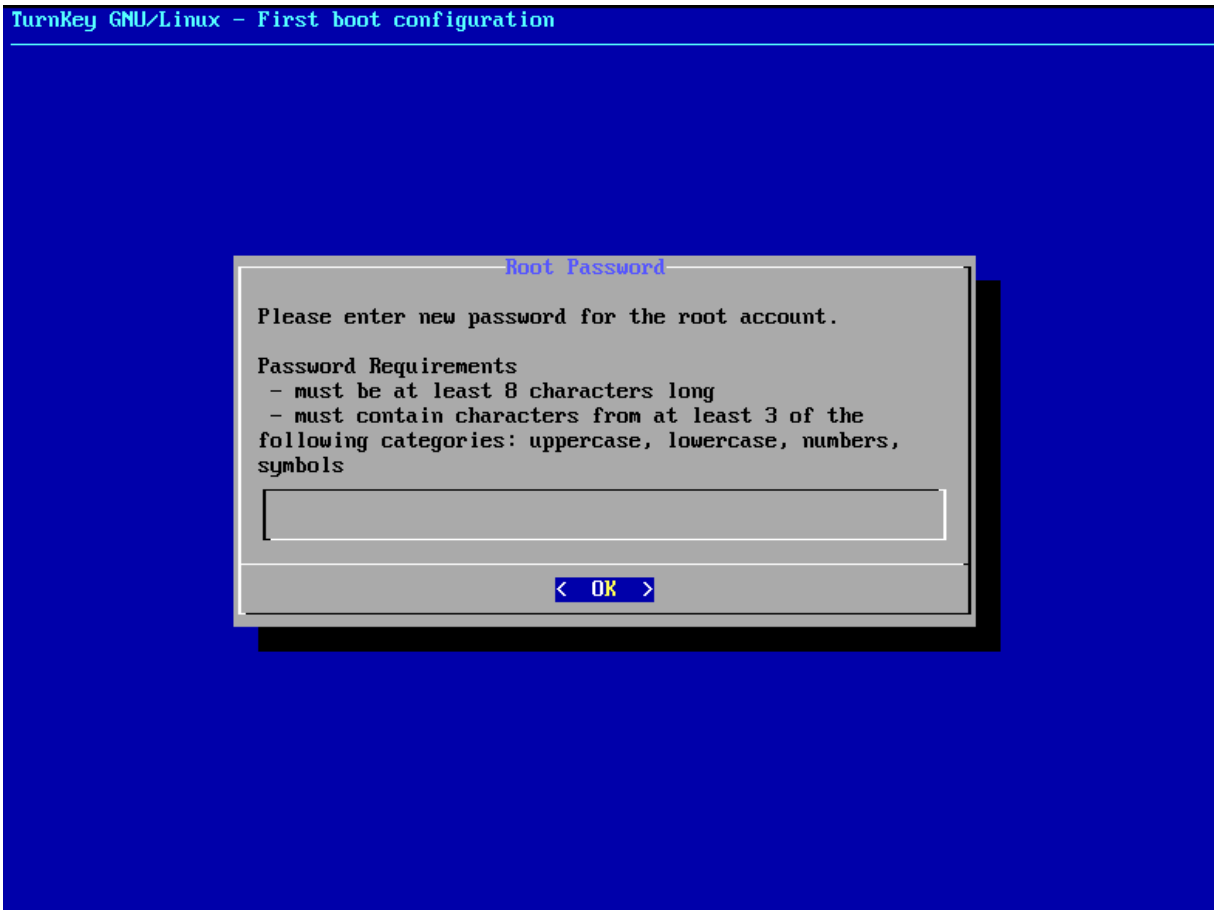

Package configuration
Debian Installer Live
Before the Logical Volume Manager can be configured, the current partitioning scheme has to be written to disk. These changes cannot be undone.
After the Logical Volume Manager is configured, no additional changes to the partitioning scheme of disks containing physical volumes are allowed during the installation. Please decide if you are satisfied with the current partitioning scheme before continuing.
The partition tables of the following devices are changed:
SCSI33 (0,0,0) (sda)
Write the changes to disks and configure LVM?
<Yes>
<No>

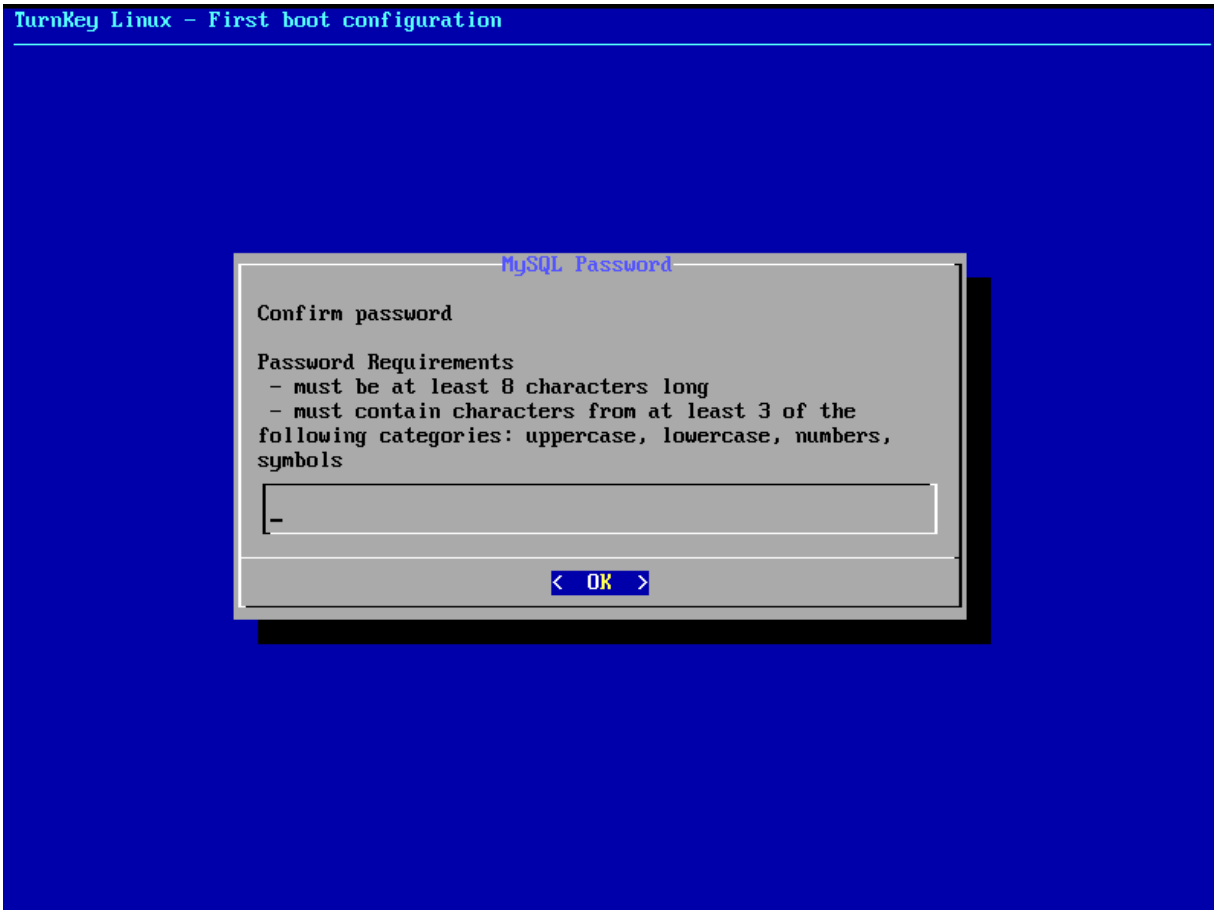

Package configuration
Debian Installer Live
You may use the whole volume group for guided partitioning, or part of it. If you use only part of it, or if you add more disks later, then you will be able to grow logical volumes later using the LVM tools, so using a smaller part of the volume group at installation time may offer more flexibility.
The minimum size of the selected partitioning recipe is 5.2 GB (or 24%); please note that the packages you choose to install may require more space than this. The maximum available size is 21.5 GB.
Hint: "max" can be used as a shortcut to specify the maximum size, or enter a percentage (e.g. "20%") to use that percentage of the maximum size.
Amount of volume group to use for guided partitioning:
90%
<Ok>
<Cancel>

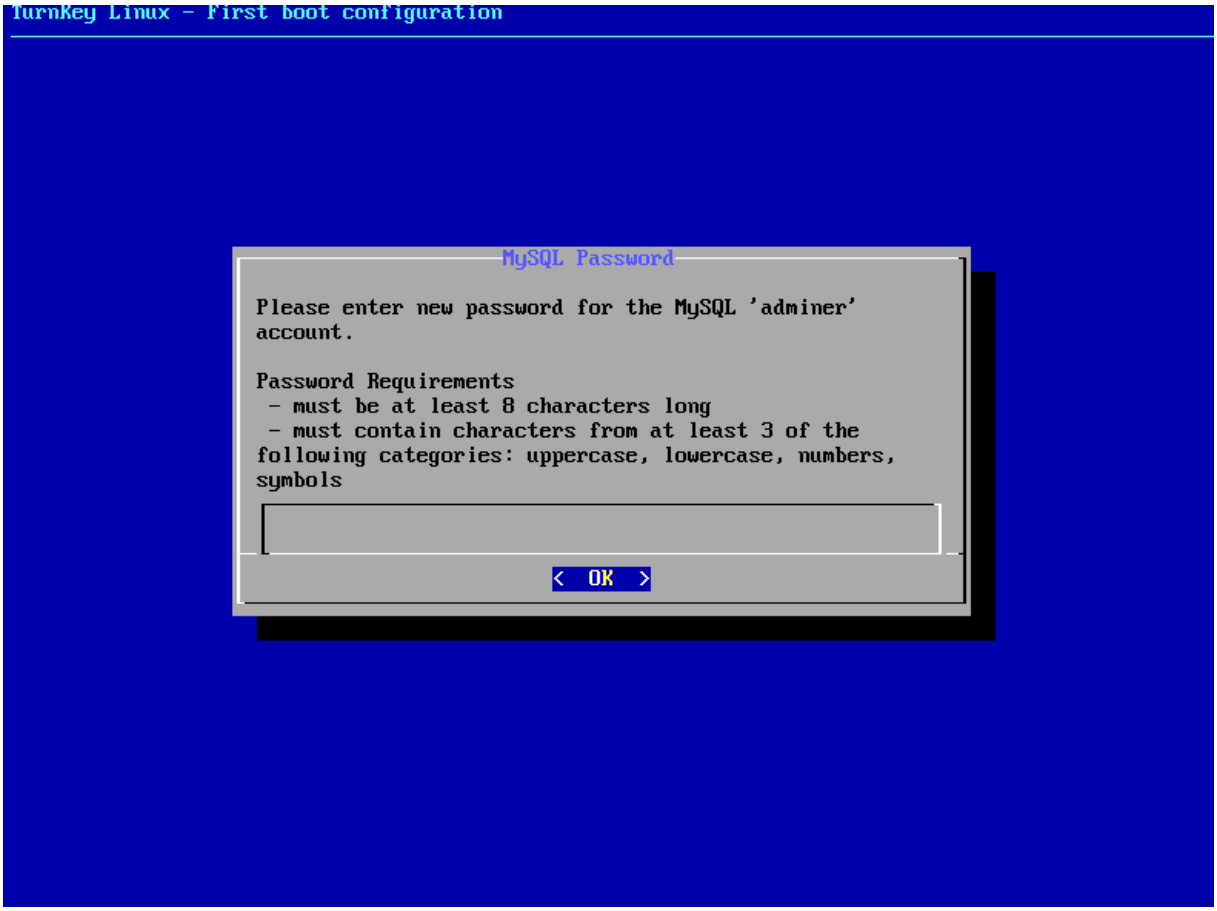

Package configuration
Debian Installer Live
If you continue, the changes listed below will be written to the disks. Otherwise, you will be able to make further changes manually.
The partition tables of the following devices are changed:
LVM VG turnkey, LV root
LVM VG turnkey, LV swap_1
The following partitions are going to be formatted:
LVM VG turnkey, LV root as ext4
LVM VG turnkey, LV swap_1 as swap
Write the changes to disks?
<Yes>
<No>

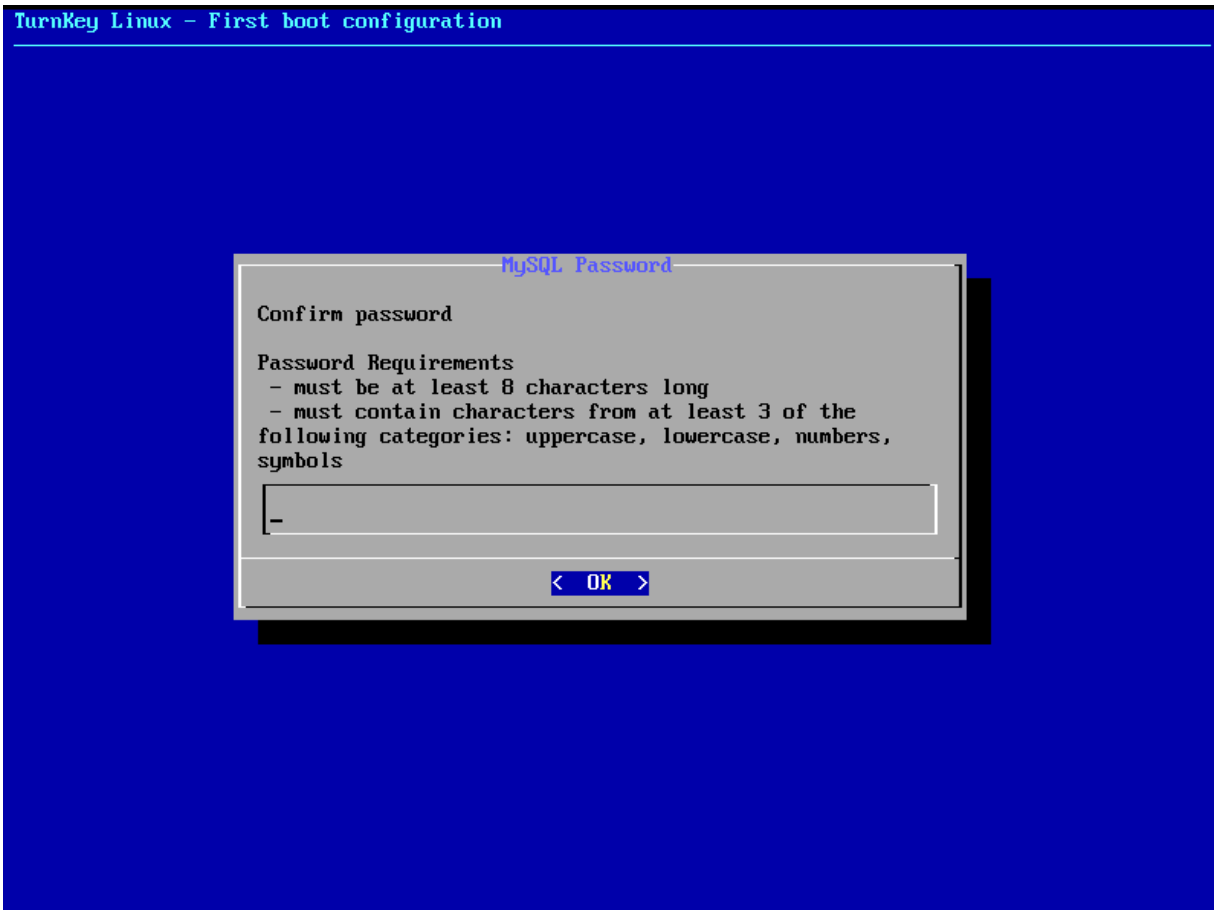

Package configuration
Install the GRUB boot loader on a hard disk
It seems that this new installation is the only operating system on this computer. If so, it should be safe to install the GRUB boot loader to the master boot record of your first hard drive.
Warning: If the installer failed to detect another operating system that is present on your computer, modifying the master boot record will make that operating system temporarily unbootable, though GRUB can be manually configured later to boot it.
Install the GRUB boot loader to the master boot record?
<Yes>
<No>

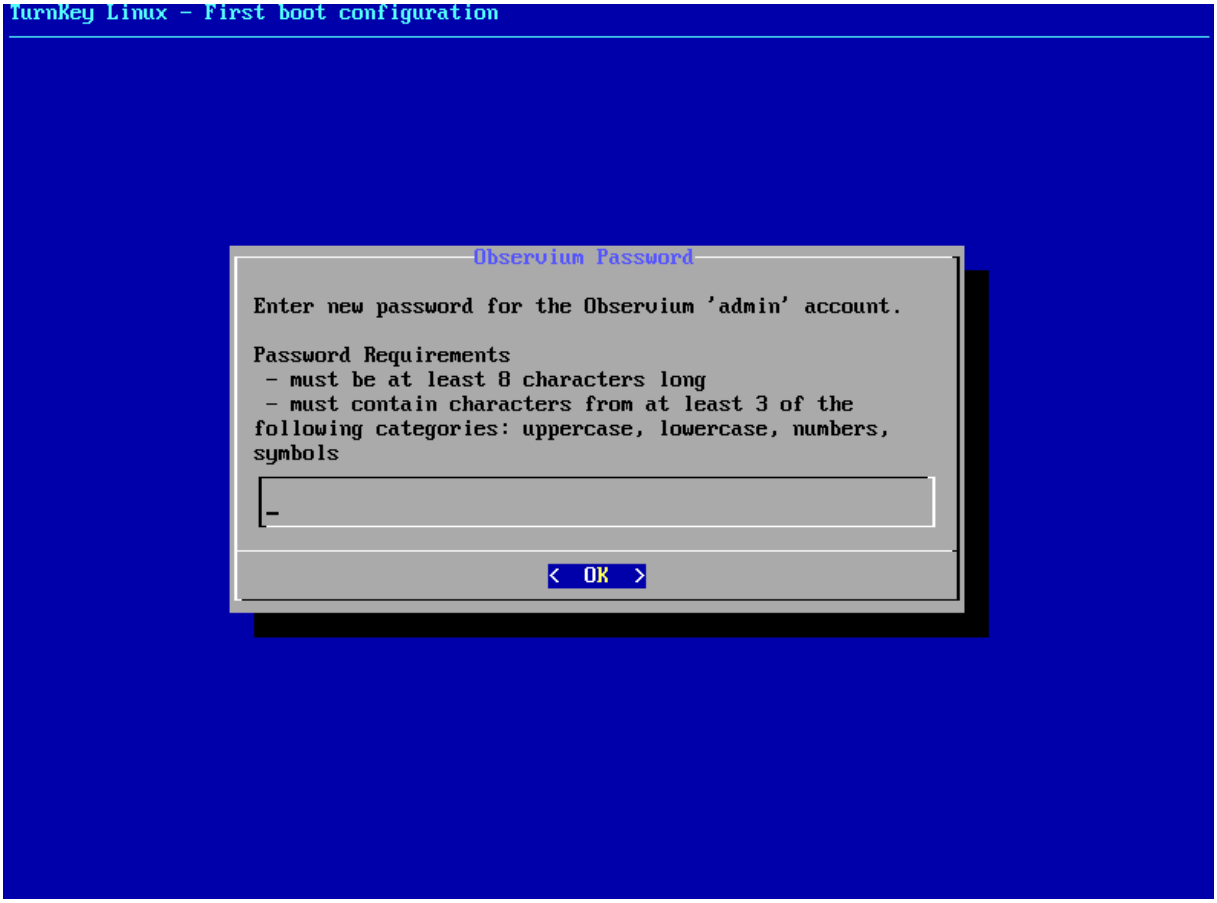

Package configuration
Finalize Install
Installation is complete.
The system needs to reboot now. Please be sure to remove the CD/USB when prompted.
Enter to reboot
Eject and Reboot
Reboot system
<Ok>
<Cancel>

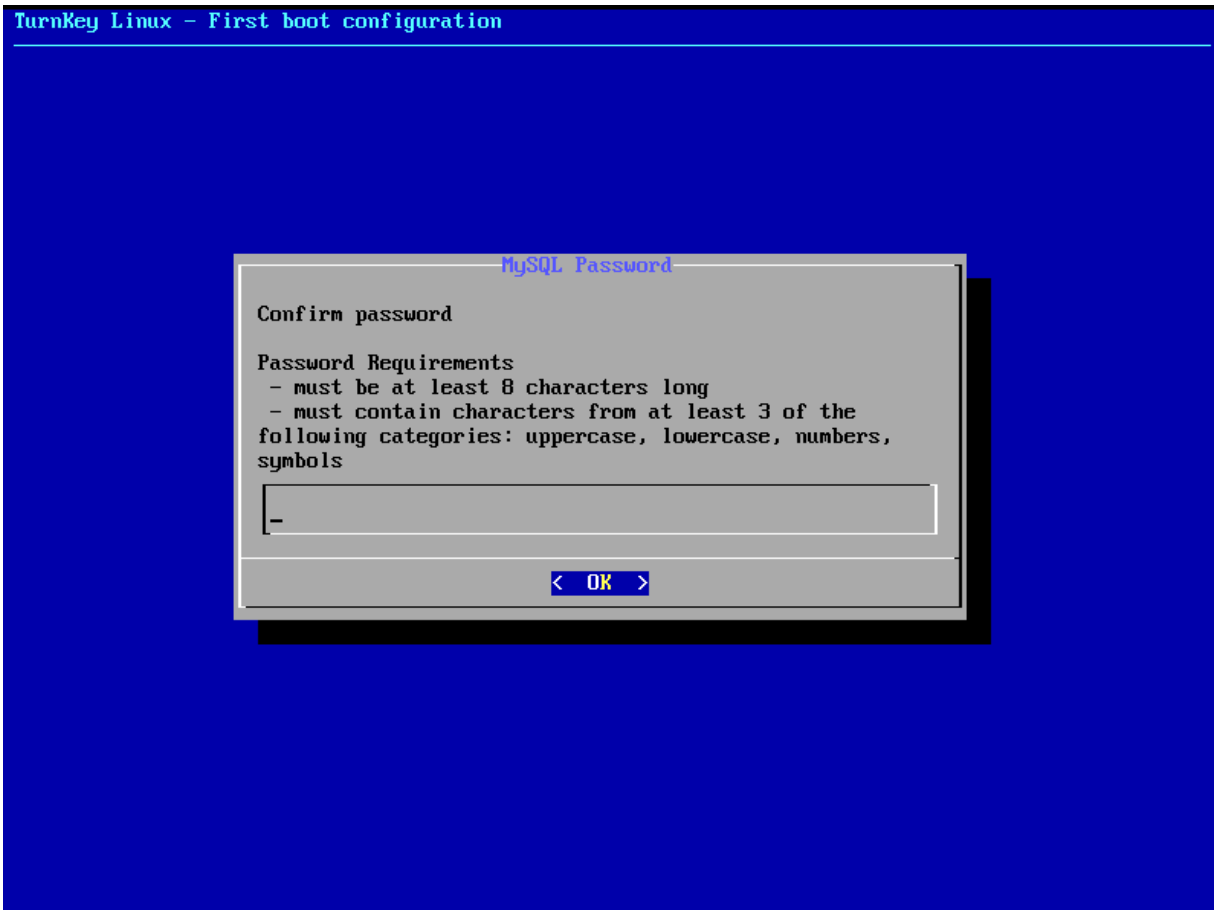

TurnKey GNU/Linux - First boot configuration
Root Password
Please enter new password for the root account.
Password Requirements
- must be at least 8 characters long
- must contain characters from at least 3 of the following categories: uppercase, lowercase, numbers, symbols
< OK >

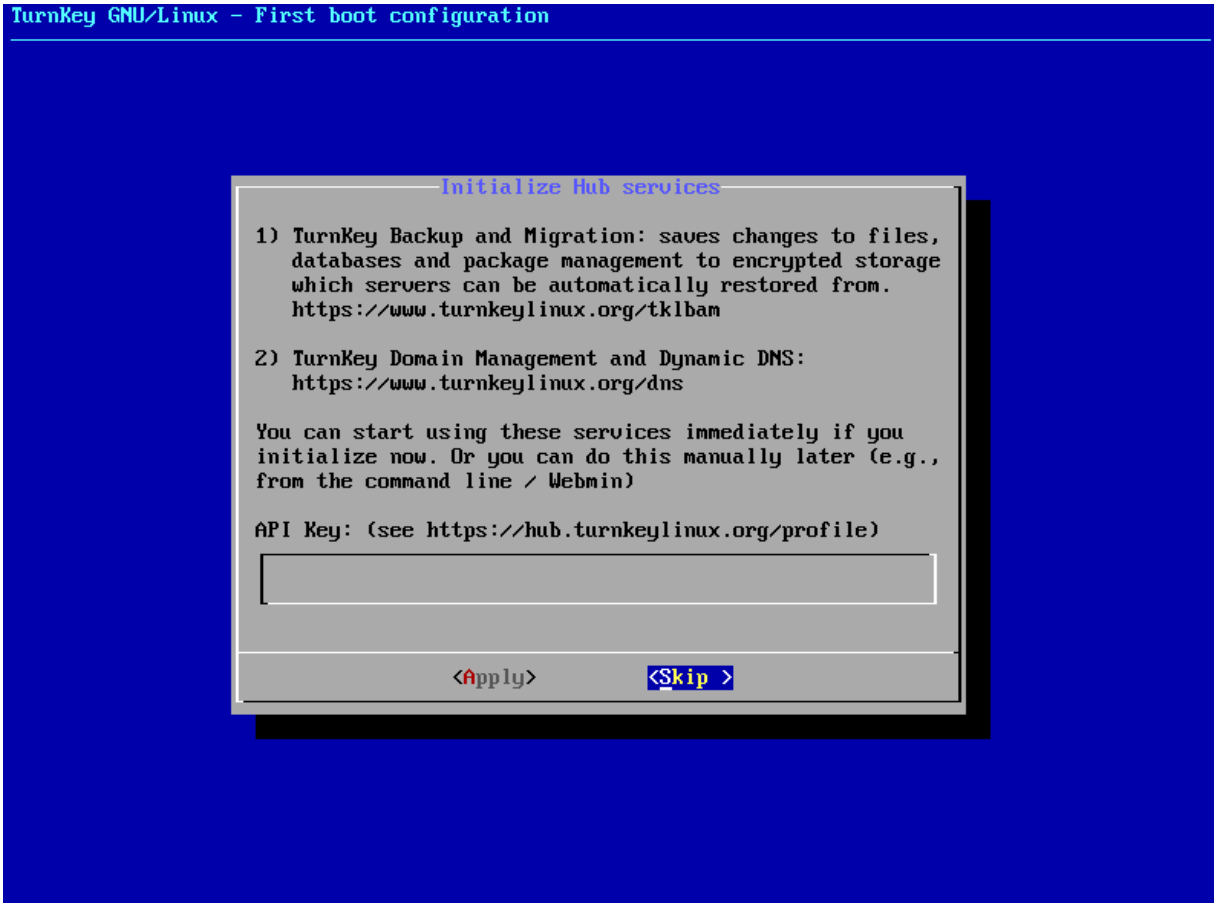

TurnKey Linux - First boot configuration
MySQL Password
Confirm password
Password Requirements
- must be at least 8 characters long
- must contain characters from at least 3 of the following categories: uppercase, lowercase, numbers, symbols
< OK >

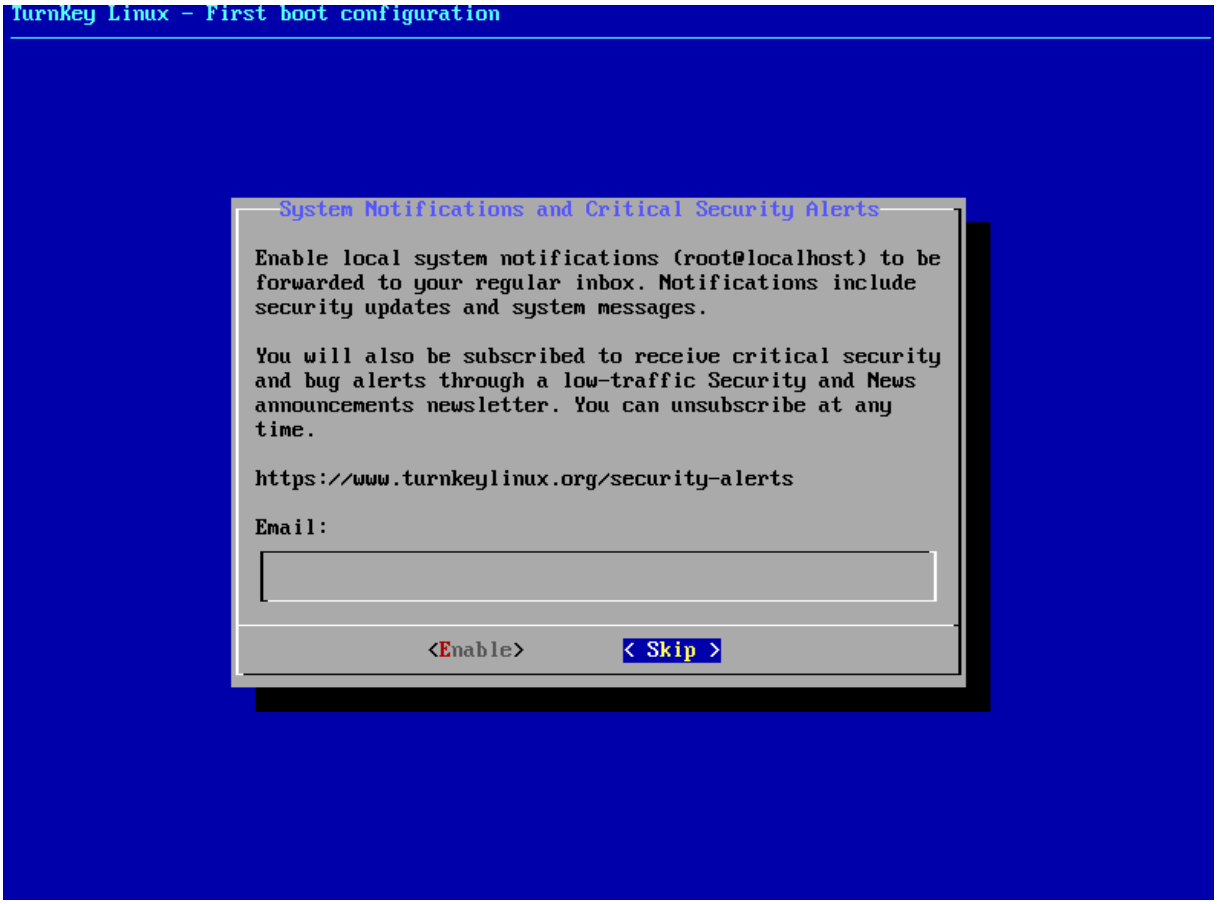

Turnkey Linux - First boot configuration
MySQL Password
Please enter new password for the MySQL 'adminer' account.
Password Requirements
- must be at least 8 characters long
- must contain characters from at least 3 of the following categories: uppercase, lowercase, numbers, symbols
< OK >

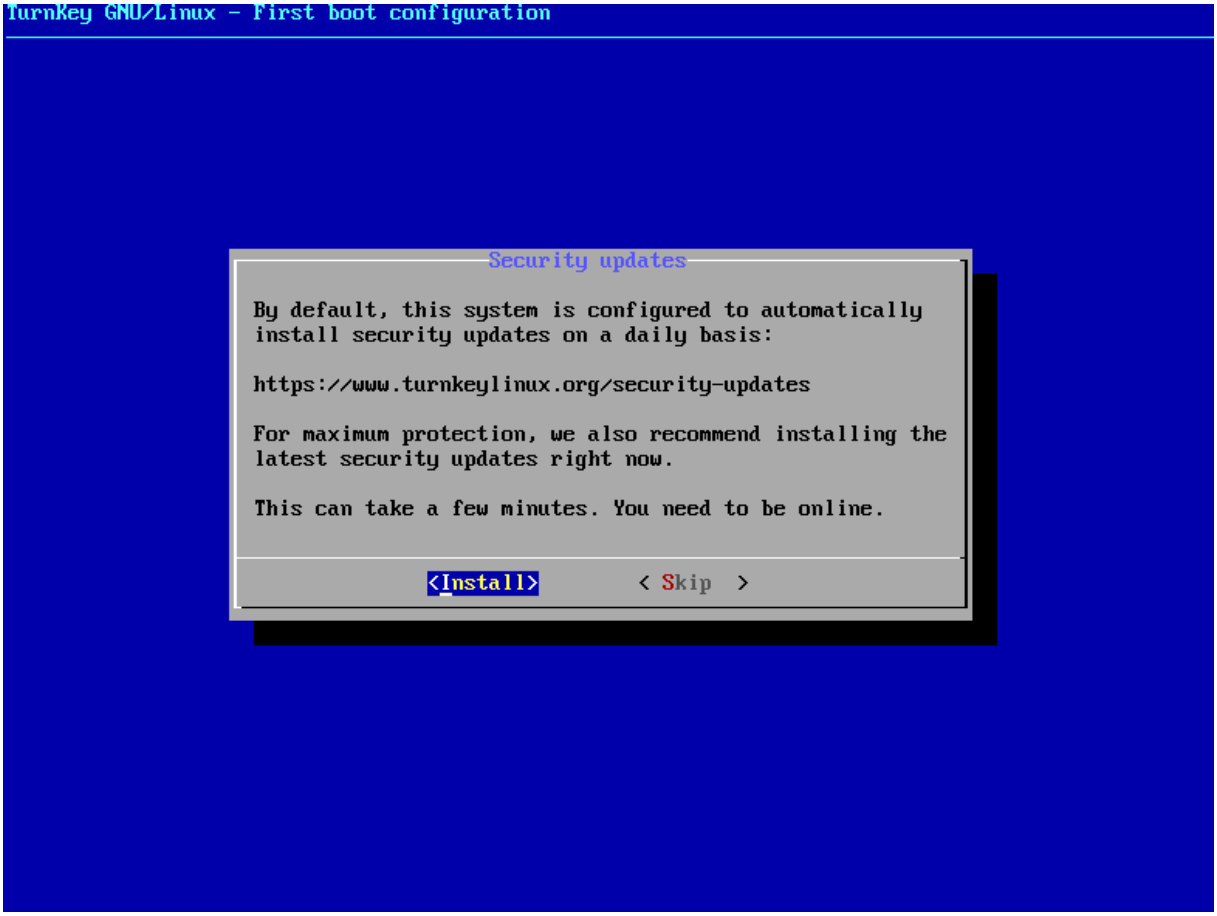

TurnKey Linux - First boot configuration
MySQL Password
Confirm password
Password Requirements
- must be at least 8 characters long
- must contain characters from at least 3 of the following categories: uppercase, lowercase, numbers, symbols
< OK >

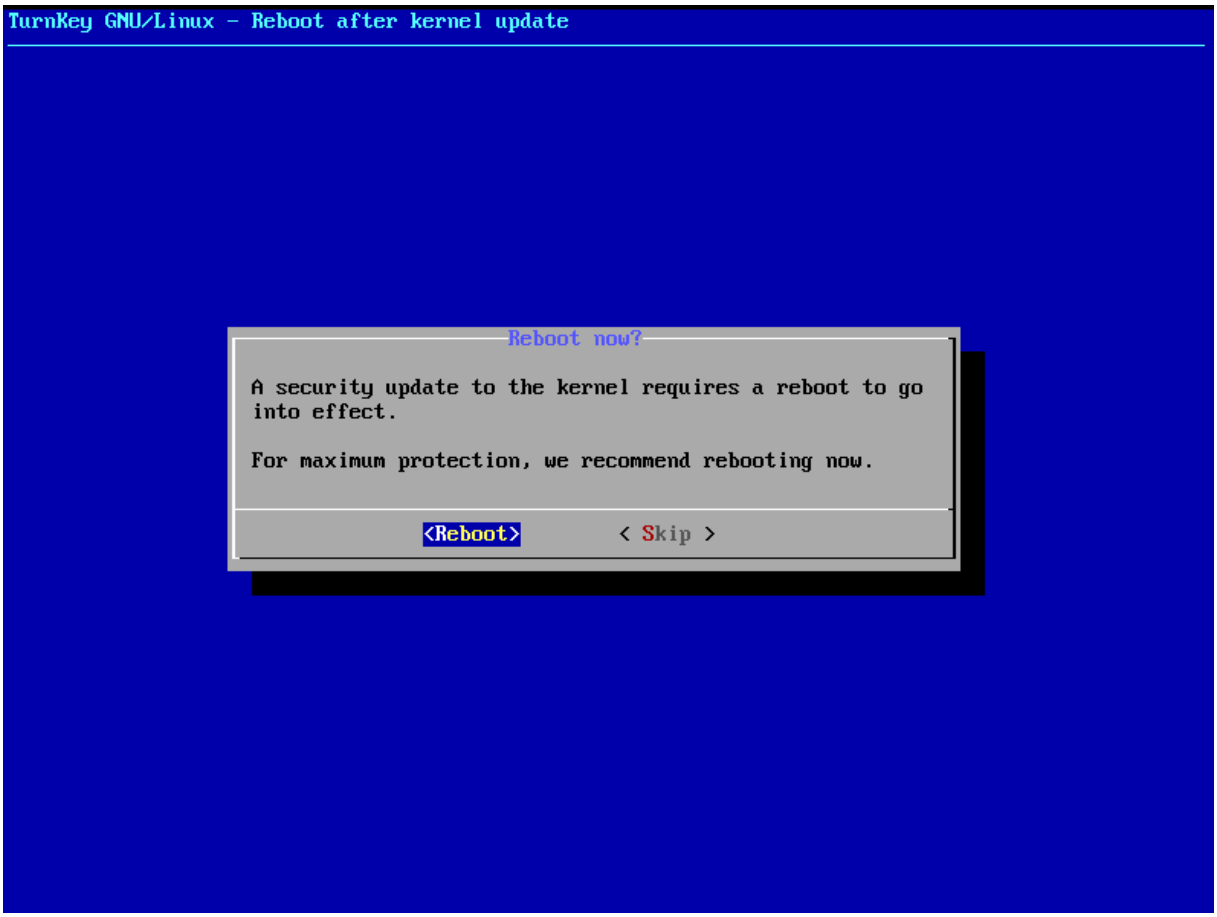

TurnKey Linux - First boot configuration
Observium Password
Enter new password for the Observium 'admin' account.
Password Requirements
- must be at least 8 characters long
- must contain characters from at least 3 of the following categories: uppercase, lowercase, numbers, symbols
< OK >

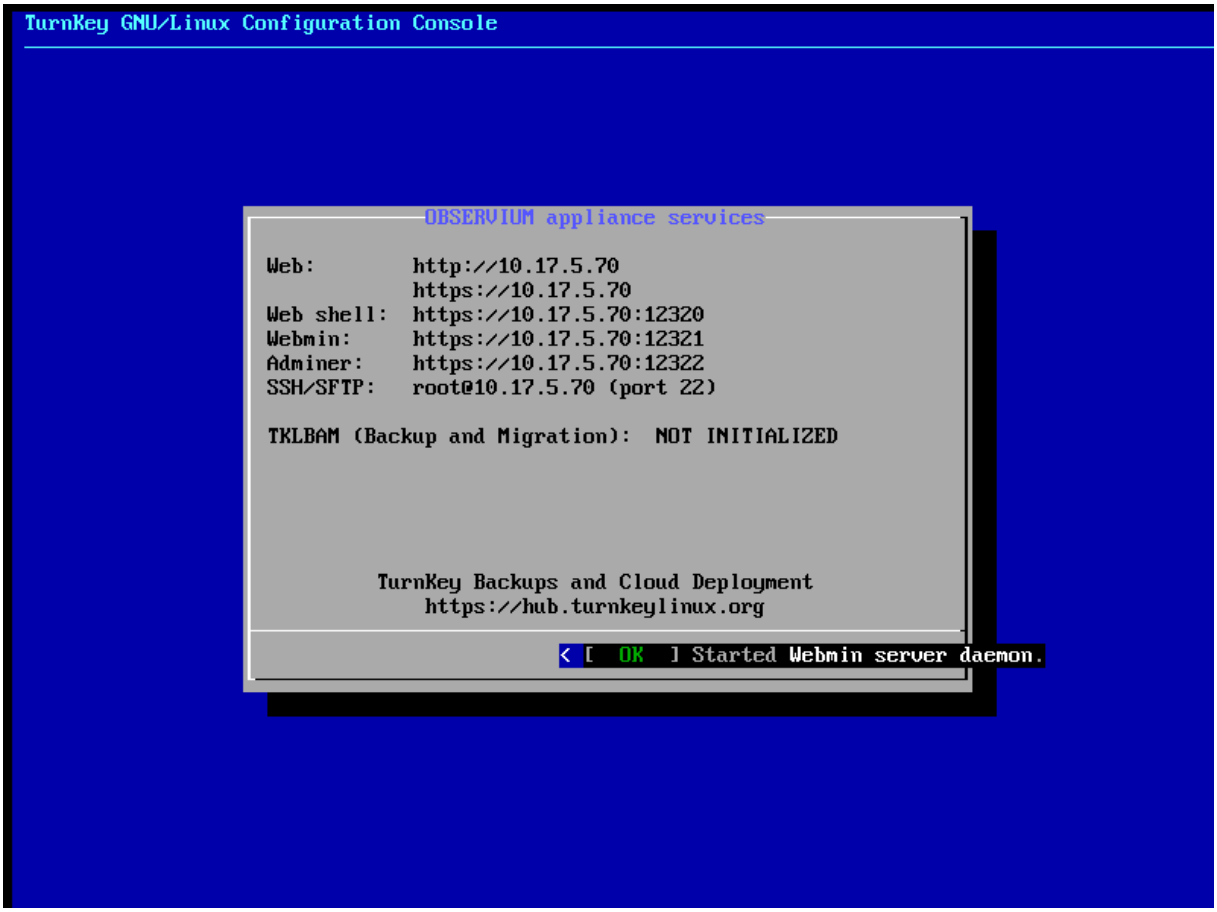

TurnKey Linux - First boot configuration
MySQL Password
Confirm password
Password Requirements
- must be at least 8 characters long
- must contain characters from at least 3 of the following categories: uppercase, lowercase, numbers, symbols
< OK >

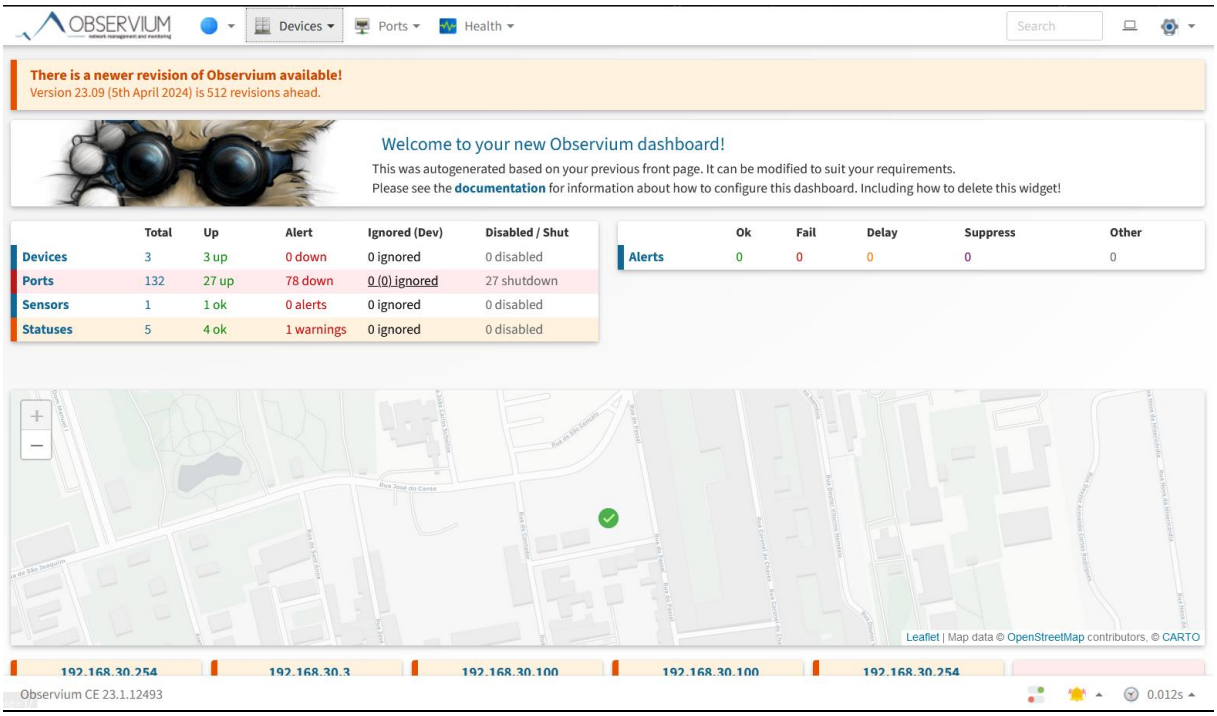

TurnKey GNU/Linux - First boot configuration
Initialize Hub services
1) TurnKey Backup and Migration: saves changes to files, databases and package management to encrypted storage which servers can be automatically restored from. https://www.turnkeylinux.org/tklbam
2) TurnKey Domain Management and Dynamic DNS: https://www.turnkeylinux.org/dns
You can start using these services immediately if you initialize now. Or you can do this manually later (e.g., from the command line / Webmin)
API Key: (see https://hub.turnkeylinux.org/profile)
<Apply>
<Skip >


TurnKey Linux - First boot configuration
System Notifications and Critical Security Alerts
Enable local system notifications (root@localhost) to be forwarded to your regular inbox. Notifications include security updates and system messages.
You will also be subscribed to receive critical security and bug alerts through a low-traffic Security and News announcements newsletter. You can unsubscribe at any time.
https://www.turnkeylinux.org/security-alerts
Email:
<Enable>
< Skip >


TurnKey GNU/Linux - First boot configuration
Security updates
By default, this system is configured to automatically install security updates on a daily basis:
https://www.turnkeylinux.org/security-updates
For maximum protection, we also recommend installing the latest security updates right now.
This can take a few minutes. You need to be online.
<Install>
< Skip >


TurnKey GNU/Linux - Reboot after kernel update
Reboot now?
A security update to the kernel requires a reboot to go into effect.
For maximum protection, we recommend rebooting now.
<Reboot>
< Skip >


TurnKey GNU/Linux Configuration Console
OBSERVIUM appliance services
Web: http://10.17.5.70
https://10.17.5.70
Web shell: https://10.17.5.70:12320
Webmin: https://10.17.5.70:12321
Adminer: https://10.17.5.70:12322
SSH/SFTP: root@10.17.5.70 (port 22)
TKLBAM (Backup and Migration): NOT INITIALIZED
TurnKey Backups and Cloud Deployment
https://hub.turnkeylinux.org
< [OK] Started Webmin server daemon.


OBSERVIUM
Devices
Ports
Health
Search
There is a newer revision of Observium available!
Version 23.09 (5th April 2024) is 512 revisions ahead.
Welcome to your new Observium dashboard!
This was autogenerated based on your previous front page. It can be modified to suit your requirements.
Please see the documentation for information about how to configure this dashboard. Including how to delete this widget!
Total Up Alert Ignored (Dev) Disabled / Shut
Devices 3 3 up 0 down 0 ignored 0 disabled
Ports 132 27 up 78 down 0 (0) ignored 27 shutdown
Sensors 1 1 ok 0 alerts 0 ignored 0 disabled
Statuses 5 4 ok 1 warnings 0 ignored 0 disabled
Ok Fail Delay Suppress Other
Alerts 0 0 0 0 0
Leaflet | Map data © OpenStreetMap contributors, © CARTO
192.168.30.254
192.168.30.3
192.168.30.100
192.168.30.100
192.168.30.254
Observium CE 23.1.12493
0.012s

Configuration d'un serveur SNMP sur Debian 7 :

Installez d'abord le serveur SNMP :

```
apt-get install snmpd
```

Ensuite, supprimez le fichier de configuration par défaut et créez en un nouveau :

```
rm /etc/snmp/snmpd.conf
nano /etc/snmp/snmpd.conf
```

Remplissez le ensuite avec ceci, changez simplement les champs ***COMMUNITY,*** ***LOCATION*** et ***CONTACT*** :

```
com2sec readonly  default        COMMUNITY
group MyROGroup v1         readonly
group MyROGroup v2c        readonly
group MyROGroup usm        readonly
view all    included  .1                                80
access MyROGroup ""      any       noauth    exact  all    none   none
syslocation LOCATION
syscontact CONTACT
#This line allows Observium to detect the host OS if the distro script is
installed
extend .1.3.6.1.4.1.2021.7890.1 distro /usr/bin/distro
```

Souvenez vous bien de ce que vous marquez dans ***COMMUNITY***, c'est l'élément clé du serveur SNMP.

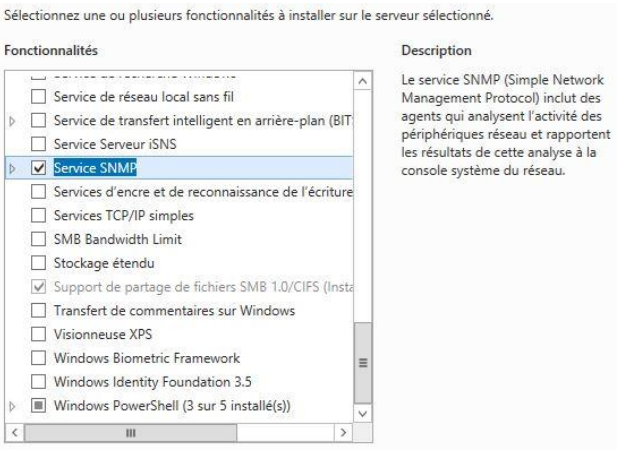
Maintenant, téléchargez le script d'Observium qui identifie votre distribution Linux et redémarrez le service SNMP :

```
wget http://www.observium.org/svn/observer/trunk/scripts/distro
mv distro /usr/bin/distro
chmod 755 /usr/bin/distro
/etc/init.d/snmpd restart
```

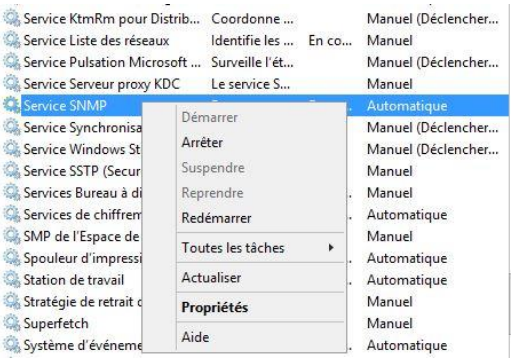
Et voilà, maintenant on va voir comment faire ça sur un Windows.

Configuration d'un serveur SNMP sur Windows Serveur 2012 R2 :

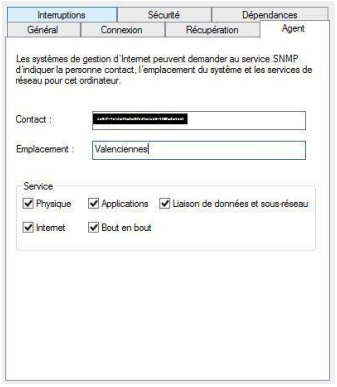
Allez dans l'ajout de fonctionnalités et installez le Service SNMP :



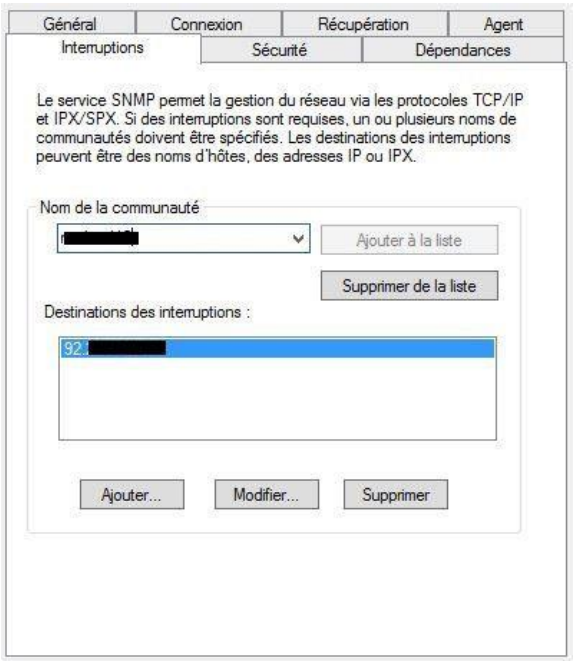
Une fois le service installé, rendez vous dans le gestionnaire de services et éditez les propriétés du serveur SNMP :



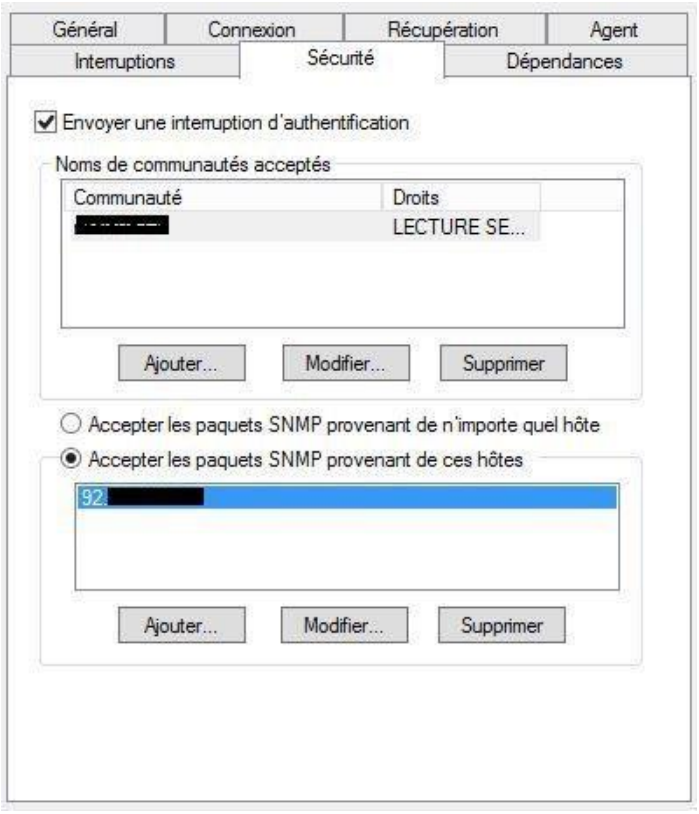
Allez dans ***Agent***, remplissez les informations demandées et cochez toutes les cases :



Maintenant, allez dans ***Interruptions***, renseignez la ***communauté*** et ajoutez l'***ip de votre serveur Observium*** dans les ***destinations des interruptions*** :



Ensuite, allez dans ***Sécurité***, cochez la première case, ajoutez votre ***communauté en lecture seule*** et en dessous autorisez uniquement les requêtes SNMP ***venant de votre serveur Observium*** :



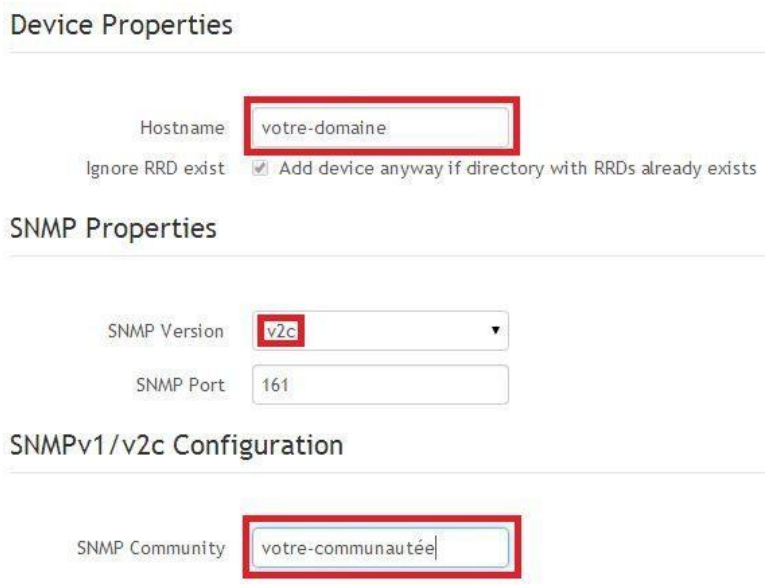
Redémarrez le service SNMP maintenant.

Ajouter une machine sur Observium :

Maintenant que vous avez configuré les serveurs SNMP sur vos machines vous devez les ajoutées à Observium.

Connectez vous sur votre serveur Observium et cliquez sur ***Add Device*** en haut :

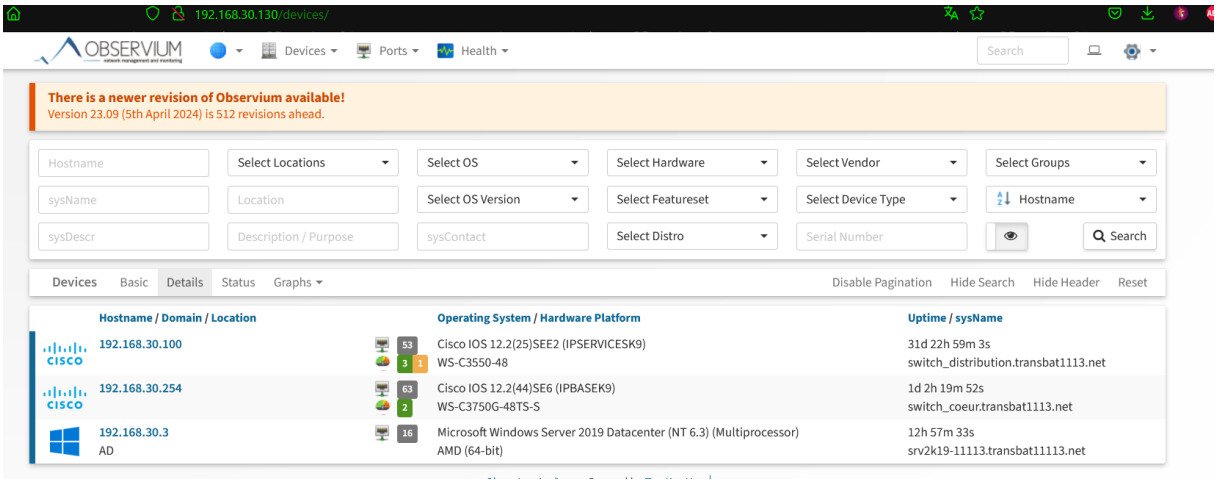
Maintenant, mettez le nom de domaine ou l'***adresse ip*** de votre serveur à surveiller, sélectionnez ***V2C*** et renseignez le ***nom de votre communauté*** :



Les serveurs seront ajoutés lors de la prochaine vérification d'Observium, mais si vous souhaitez les ajouter immédiatement, lancez les commandes suivantes sur votre serveur Observium :

```
cd /opt/observium
./discovery.php -h all
./poller.php -h all
```

Voilà, maintenant laissez au minimum 1 semaine à votre serveur pour avoir des résultats concluants au niveau des graphiques, mais toutes les autres fonctions sont utilisables immédiatement.



Annexe :
https://archives-docs.centreon.com/21.10/fr/docs/getting-started/monitor-windows-server-with-snmp/

https://www.abyssproject.net/2014/08/configurer-snmp-observium/