

Bootstrapping a Debian Machine

[deb.debian.org](https://deb.debian.org/debian) downloads debian

Installation

Clean Up the Standard Installation

```
sudo apt purge debian-faq doc-debian installation-report tasksel
```

```
sudo apt --purge autoremove
```

Install Essentials

```
sudo apt install bash-completion bind9-dnsutils bzip2 curl ethtool htop iotop  
screen sudo unzip vim wget
```

Install Security Enhancements

[Enforcing Password Quality](#) [Verifying Installation Integrity](#)

```
sudo apt install debsums libpam-pwquality libpam-tmpdir
```

Install Virtual Machine Guest Agent

```
sudo apt install qemu-guest-agent
```

Configuration

Grant Password-less Sudo Access



Since `sudo` is likely not yet available, the following commands must be run as `root`.

```
( umask 0337; tee "/etc/sudoers.d/sudo" >/dev/null <<'EOF'
%sudo ALL=(ALL) NOPASSWD: ALL
EOF
)
chmod 0440 "/etc/sudoers.d/sudo"
```

```
gpasswd --add [USERNAME] sudo
```

Set the Machine Hostname

```
sudo hostnamectl set-hostname [HOSTNAME]
```

```
sudo sed -i '/^127.0.1.1/d' "/etc/hosts"
sudo sed -i '1i127.0.1.1\t[HOSTNAME].[DOMAIN] [HOSTNAME]' "/etc/hosts"
```

Set the Machine Timezone

```
sudo timedatectl set-timezone [TIMEZONE]
```

Set the Machine Timezone to UTC

```
sudo timedatectl set-timezone Etc/UTC
```

Generate Machine Locales

```
sudo locale-gen
```

Generate the Slovak Locale

```
sudo sed -i 's/^[#[:space:]]*sk_SK\.UTF-8 UTF-8$/sk_SK.UTF-8 UTF-8/'
"/etc/locale.gen"
sudo locale-gen
```

Generate the English Locale

```
sudo sed -i 's/^[#[:space:]]*en_US\.UTF-8 UTF-8$/en_US.UTF-8 UTF-8/'
"/etc/locale.gen"
sudo locale-gen
```

Tweak the Kernel Tunable Variables

TODO: add kernel variables to `/etc/sysctl.conf`

Time Synchronization Using NTP

[The Chrony Project chrony/chrony](#)

“ Debian uses `systemd-timesyncd` by default, which does not continuously synchronize the clock while the system is running. `chrony` provides continuous, periodical time synchronization via background daemon.

```
sudo apt install chrony
```

```
sudo systemctl restart chronyd
```

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