

# Auto updates

Here's how to setup your debian to update automatically

## Install

```
apt-get install -y unattended-upgrades apt-listchanges mailutils postfix
```

## Config

```
vi /etc/apt/apt.conf.d/50unattended-upgrades
```

```
// Automatically upgrade packages from these (origin:archive) pairs
//
// Note that in Ubuntu security updates may pull in new dependencies
// from non-security sources (e.g. chromium). By allowing the release
// pocket these get automatically pulled in.
Unattended-Upgrade::Allowed-Origins {
    "${distro_id}:${distro_codename}";
    "${distro_id}:${distro_codename}-security";
    // Extended Security Maintenance; doesn't necessarily exist for
    // every release and this system may not have it installed, but if
    // available, the policy for updates is such that unattended-
upgrades
    // should also install from here by default.
    //"${distro_id}ESMA:${distro_codename}-apps-security";
    //"${distro_id}ESM:${distro_codename}-infra-security";
    "${distro_id}:${distro_codename}-updates";
    //"${distro_id}:${distro_codename}-proposed";
    //"${distro_id}:${distro_codename}-backports";
    "Docker:${distro_codename}";
};
// Send email to this address for problems or packages upgrades
// If empty or unset then no email is sent, make sure that you
// have a working mail setup on your system. A package that provides
// 'mailx' must be installed. E.g. "user@example.com"
Unattended-Upgrade::Mail "arnaud+XXXXXXXXX@fortier-family.com";

// Set this value to one of:
//     "always", "only-on-error" or "on-change"
// If this is not set, then any legacy MailOnlyOnError (boolean) value
// is used to chose between "only-on-error" and "on-change"
Unattended-Upgrade::MailReport "on-change";
```

```
// Remove unused automatically installed kernel-related packages  
// (kernel images, kernel headers and kernel version locked tools).  
Unattended-Upgrade::Remove-Unused-Kernel-Packages "true";
```

Automate:

```
dpkg-reconfigure -plow unattended-upgrades
```

Mails:

```
dpkg-reconfigure postfix  
systemctl reload postfix
```

Test:

```
unattended-upgrade -d
```

## Reboot automatic when needed

```
vi /etc/apt/apt.conf.d/20auto-upgrades
```

```
APT::Periodic::Update-Package-Lists "1";  
APT::Periodic::Unattended-Upgrade "1";
```

Daily check packages & upgrade

```
vi /etc/apt/apt.conf.d/50unattended-upgrades
```

```
...  
Unattended-Upgrade::Automatic-Reboot "true";  
Unattended-Upgrade::Automatic-Reboot-Time "02:00";  
...
```

```
systemctl restart unattended-upgrades
```

## Mail via msmtplib

```
apt install msmtplib msmtplib-mta mailutils  
vi /etc/msmtplib
```

```
defaults  
auth          on  
tls           on  
tls_starttls off
```

```
tls_trust_file /etc/ssl/certs/ca-certificates.crt
```

```
# SMTP server config
account      default
host        mail.fortier-family.com
port        465
from        arnaud+SERV@fortier-family.com
user        arnaud@fortier-family.com
password    *****LOL*****
```

Test:

```
echo "Test mail from $(hostname)" | mail -s "Test subject"
arnaud+srv1@fortier-family.com
```

## Kali

Following <https://bugs.kali.org/view.php?id=8587>

Change in /etc/apt/apt.conf.d/50unattended-upgrades

```
//      "origin=Debian,codename=${distro_codename},label=Debian-Security";
//      "origin=Debian,codename=${distro_codename}-security,label=Debian-
Security";

      "origin=Kali,codename=${distro_codename}";
```

## Ubuntu

A bug prevent SIGTERM to be sent properly to containers:

<https://bugs.launchpad.net/ubuntu/+source/docker.io-app/+bug/2079006> Let's make a service for that:

```
vi /etc/systemd/system/docker-graceful-stop.service
```

```
[Unit]
Description=Gracefully stop Docker containers before system shutdown or
reboot
DefaultDependencies=no
Before=shutdown.target reboot.target halt.target
Requires=docker.service
After=network.target docker.service

[Service]
Type=oneshot
ExecStart=/bin/true
```

```
ExecStop=/usr/bin/docker stop $(/usr/bin/docker ps -q)
RemainAfterExit=yes
TimeoutStopSec=300
```

[Install]

```
WantedBy=halt.target reboot.target shutdown.target
```

```
systemctl daemon-reload
systemctl enable docker-graceful-stop.service
```

## Reference

- <https://wiki.debian.org/UnattendedUpgrades>

From:  
<https://wiki.fortier-family.com/> - **Warnaud's Wiki**

Permanent link:  
<https://wiki.fortier-family.com/os/debian/unattendedupgrades?rev=1761466722>

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