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#### Ubuntu 24 LTS command line with a completed update

```
admin@UBUNTU24:~$ sudo apt update
Hit:1 http://azure.archive.ubuntu.com/ubuntu oracular InRelease
Hit:2 http://azure.archive.ubuntu.com/ubuntu oracular-updates InRelease
Hit:3 http://azure.archive.ubuntu.com/ubuntu oracular-backports InRelease
Hit:4 http://azure.archive.ubuntu.com/ubuntu oracular-security InRelease
262 packages can be upgraded. Run 'apt list --upgradable' to see them.
admin@UBUNTU24:~$
```

## The 50unattended-upgrades file showing the Allowed-Origins section

#### the cron line you just entered in the crontab file

```
# minute (m), hour (h), day of month (dom), month (mon),
# and day of week (dow) or use '*' in these fields (for 'any').
#
# Notice that tasks will be started based on the cron's system
# daemon's notion of time and timezones.
#
# Output of the crontab jobs (including errors) is sent through
# email to the user the crontab file belongs to (unless redirected).
#
# For example, you can run a backup of all your user accounts
# at 5 a.m every week with:
# 0 5 * * 1 tar -zcf /var/backups/home.tgz /home/
#
# For more information see the manual pages of crontab(5) and cron(8)
#
# m h dom mon dow command

0 2 * * * /usr/bin/unattended-upgrades
```

# End of the output of the unattended-upgrades dry-run

```
marking linux-headers-6.11.0-1004-azure for removal
marking linux-azure-tools-6.11.0-1004 for removal
marking linux-cloud-tools-6.11.0-1004-azure for removal
marking linux-azure-cloud-tools-6.11.0-1004 for removal
marking linux-tools-6.11.0-1004-azure for removal
marking linux-image-6.11.0-1004-azure for removal
marking linux-azure-cloud-tools-6.11.0-1004 for removal
marking linux-azure-cloud-tools-6.11.0-1004-azure
marking linux-azure-cloud-tools-6.11.0-1004-azure
marking linux-azure-cloud-tools-6.11.0-1004-azure
marking linux-cloud-tools-6.11.0-1004-azure
marking linux-azure-cloud-tools-6.11.0-1004-azure
marking linux-azure-cloud-tools-6.11.0-1004
marking linux-tools-6.11.0-1004
markin
```

## Terminal output showing the bash script execution and verification

```
[sudo] password for admin:
unattended-upgrades is already the newest version (2.9.1+nmu4ubuntu1).
  Upgrading: 0, Installing: 0, Removing: 0, Not Upgrading: 262
admin@UBUNTU24:~$ sudo apt install unattended-upgrades -y
unattended-upgrades is already the newest version (2.9.1+nmu4ubuntu1).
  Upgrading: 0, Installing: 0, Removing: 0, Not Upgrading: 262
admin@UBUNTU24:~$ sudo nano hardening.sh
admin@UBUNTU24:~$ sudo chmod +x hardening.sh
admin@UBUNTU24:~$ ./hardening.sh
Disabling root login via SSH...
Enforcing password authentication...
Disabling unnecessary service: CUPS (if installed)...
Synchronizing state of cups.service with SysV service script with /usr/lib/syste
{\sf md/systemd-sysv-install.}
Executing: /usr/lib/systemd/systemd-sysv-install disable cups
Removed '/etc/systemd/system/sockets.target.wants/cups.socket'.
Removed '/etc/systemd/system/printer.target.wants/cups.service'.
Removed '/etc/systemd/system/multi-user.target.wants/cups.path'.
Removed '/etc/systemd/system/multi-user.target.wants/cups.service'.
Restarting SSH service to apply changes...
Bash hardening script complete.
admin@UBUNTU24:~$
```

Terminal output showing the bash script execution and verification.

```
admin@UBUNTU24:~$ grep -E 'PermitRootLogin|PasswordAuthentication' /etc/ssh/sshd
config
PermitRootLogin no
PasswordAuthentication yes
# PasswordAuthentication. Depending on your PAM configuration,
# the setting of "PermitRootLogin prohibit-password".
# PAM authentication, then enable this but set PasswordAuthentication
admin@UBUNTU24:~$ systemctl status cups
○cups.service - CUPS Scheduler
    Loaded: loaded (/usr/lib/systemd/system/cups.service; disabled; preset: en
     Active: inactive (dead) since Fri 2025-04-18 00:07:50 UTC; 3min 55s ago
  Duration: 14min 3.423s
 Invocation: 41f8fd17fc1d4cafbc8b20215c23da6a
TriggeredBy: ○ cups.socket
      Docs: man:cupsd(8)
   Main PID: 981 (code=exited, status=0/SUCCESS)
    Status: "Scheduler is running..."
   Mem peak: 8.1M
       CPU: 25ms
```

Terminal output showing the hosts file

```
admin@UBUNTU24:~$ cd ~
admin@UBUNTU24:~$ sudo nano host
admin@UBUNTU24:~$ sudo nano hosts
admin@UBUNTU24:~$ cat hosts
[local]
Localhost ansible_connection=local
admin@UBUNTU24:~$
```

# Terminal showing complete Ansible Playbook run output

@UBUNTU24:-\$ sudo r	ano hardeni	ng.yml					
@UBUNTU24:~\$ ansibl	e-playbook	-i hosts hard	lening.yml				
[Harden Ubuntu 24 L	TS with Ans	ible] ******	******	*********	******	**********	*******
[Gathering Facts] * localhost]	******	*******	*******		******	**********	******
[Disable root login localhost]	via SSH] *	*******	*******	*******	******	********	******
[Enforce password a localhost]	outhenticati	on in SSH con	fig] *******	******	*******	**********	******
[Disable unnecessar localhost]	y service:	CUPS (if inst	alled)] *******	******	******	*******	******
[Restart SSH serviced: [localhost]	e to apply	configuration	] **********	********	******	**********	******
RECAP *********	******	******	**********	******	*********		*******
host	: ok=5	changed=1	unreachable=0	failed=0	skipped=0	rescued=0	ignored=0
AUBUNTU24:~\$							