Ubuntu (25.04) Gnome, Tweaks-tool and system-wide configurations backup

- Extensions are stored in `~/.local/share/gnome-shell/extensions`.

Restore

- Install **Extension Manager** with `flatpak install flathub com.mattjakeman.ExtensionManager`.
- Install the extensions listed in `gnome_extensions_list.txt`.
- Run `dconf load /org/gnome/shell/extensions/ < gnome-shell-extensions-backup.dconf` to set the extensions configurations.
- Restart the session/system to see the effects.
- (optional) Restore all Gnome-wide settings, including **Gnome-tweaks** configurations using `dconf load -f / < complete_gnome_saved_settings.dconf`.
- Additionally, you can backup and restore all the GNOME settings and other configurations using SaveDesktop (`flatpak install flathub io.github.vikdevelop.SaveDesktop`) flatpak app.

Backup

Item	Command
Extensions configuration	`dconf dump /org/gnome/shell/extensions/ > gnome-shell-extensions-backup.dconf`
Extensions List	`gnome-extensions list -d > gnome_extensions_list.txt`
System-wide configuration	`dconf dump / > complete_gnome_saved_settings.dconf`
Packages List	`dpkg --get-selections > package_list_all.txt`
OpenType and TrueType fonts	`ls /usr/share/fonts/truetype/ /usr/share/fonts/opentype/ > fonts_open_true_list.txt`
Themes List	`ls ~/.themes/ /usr/share/themes/ ~/.icons/ /usr/share/icons/ > themes_sys_usr_list.txt`

Chromium browsers config

- Enable flags in `chrome://flags`, `brave://flags` and `edge://flags`.
- Copy browser files from `/usr/share/applications/` to `~/.local/share/applications/`.
- For each of the copied files, jump to the line that begins with `Exec=` and ends with `%U` and append as shown below. Append the same to the line that begins with `Exec=` and ends with `--inprivate` or `--incognito`.
- Alternatively, create `chrome-flags.conf`, `brave-flags.conf`, `edge-flags.conf` files in `~/.config` and add the flags to respective flag files.
- Restart the system or session.

Browser	copy *.desktop file	`*://flags`
Google Chrome	`sudo cp /usr/share/applications/google-chrome.desktop ~/.local/share/applications/`	`#fluent-overlay-scrollbars #fluent-scrollbars #smooth-scrolling #ozone-platform-hint #wayland-ui-scaling #root-scrollbar-follows-browser-theme #link-preview #wayland-linux-drm-syncobj`
Brave	`sudo cp /usr/share/applications/brave-browser.desktop ~/.local/share/applications/`	`#fluent-overlay-scrollbars #fluent-scrollbars #ozone-platform-hint #wayland-ui-scaling #root-scrollbar-follows-browser-theme #link-preview #middle-button-autoscroll #wayland-linux-drm-syncobj`
Microsoft Edge	`sudo cp /usr/share/applications/microsoft-edge.desktop ~/.local/share/applications/`	Only enable flags in the `.desktop` file

Browser	Code to append
Google Chrome	`--enable-features=MiddleClickAutoscroll,TouchpadOverscrollHistoryNavigation --disable-features=GlobalShortcutsPortal`
Brave Browser	`--enable-features=TouchpadOverscrollHistoryNavigation --disable-features=GlobalShortcutsPortal`
Microsoft Edge	`--enable-features=MiddleClickAutoscroll,TouchpadOverscrollHistoryNavigation,UseOzonePlatform,WaylandWindowDecorations --ozone-platform=wayland --disable-features=GlobalShortcutsPortal`

GRUB theme background glitches

For GRUB configuration, install the GRUB theme but comment out the `GRUB_BACKGROUND` flag to avoid any background.

Enable fingerprint authentication besides login

`sudo pam-auth-update` and enable **Fingerprint Authentication**.

Theming flatpak apps

- To apply the GTK theme to flatpak apps, use `sudo flatpak override --filesystem=xdg-data/themes` (By default, that location translates to `$HOME/.local/share/themes`) or `sudo flatpak override --filesystem=$HOME/.themes`.
- Lastly, to apply config, use `sudo flatpak override --filesystem=xdg-config/gtk-3.0 && sudo flatpak override --filesystem=xdg-config/gtk-4.0`.

Important search terms for NVIDIA driver and Linux Kernel packages

`linux-generic`, `linux-headers-generic`, `linux-image-generic`, `linux-objects` or `linux-objects-nvidia`, `linux-modules`, `linux-header`, `linux-signatures` or `linux-signatures-nvidia`

Common dependencies after a fresh install

`gcc g++ git tldr curl btop btm build-essential apt-transport-https wget ca-certificates zip unzip tree locate gnupg2 gpg binfmt-support clang clangd llvm`

Python Dependencies

`liblzma-dev liblz-dev zlib1g-dev libncurses-dev libgdbm-dev libnss3-dev libssl-dev libreadline-dev libffi-dev libsqlite3-dev libbz2-dev`

Bash aliases

```
# Package Management aliases.
alias udg="sudo apt update && sudo apt upgrade && sudo apt full-upgrade"
alias ud="sudo apt update"
alias ug="sudo apt upgrade"
alias dg="sudo apt full-upgrade"
alias cache="sudo apt clean"
alias get="sudo apt install"
alias yget="sudo apt install -y"
alias sget="sudo apt install --install-suggests"
alias syget="sudo apt install --install-suggests -y"
alias del="sudo apt remove"
alias fdel="sudo apt purge --autoremove"
alias arem="sudo apt autoremove"
alias search="apt search"
alias di="sudo dpkg -i"
alias bi="sudo apt-get --fix-broken install"
alias alt="sudo update-alternatives --config "
alias lssrc="ls /etc/apt/sources.list.d"
alias cdsrc="cd /etc/apt/sources.list.d"
alias srcs="sudo nano /etc/apt/sources.list.d/ubuntu.sources"
alias csrc="sudo cat /etc/apt/sources.list.d/ubuntu.sources"

# Systemctl aliases.
alias ver="cat /etc/debian_version"
alias off="sudo systemctl poweroff"
alias boot="sudo systemctl reboot"
alias sus="sudo systemctl suspend"
alias sstop="sudo systemctl stop"
alias srun="sudo systemctl start"
alias sstat="sudo systemctl status"
alias srest="sudo systemctl restart"
alias son="sudo systemctl enable"
alias soff="sudo systemctl disable"

# Python aliases.
```

```
alias python3=python
alias pip3=pip

# Bash Config Aliases.
alias brc="nano ~/.bashrc"
alias barc="nano ~/.bash_aliases"
alias carc="cat ~/.bash_aliases"
alias pro="nano ~/.profile"
# Make Hist file values in brc to -1 for unlimited history.
alias past="nano ~/.bash_history"
alias q="exit"

# Misc aliases.
alias kver="uname -a"
alias sv="sudo visudo"
alias pd="passwd"
alias spd="sudo passwd"
alias shf="ls -ld .?*"
alias size1="du -h -s"
alias size2="du -h -s .*"

# Basic Aliases
alias cls="clear"
alias wi="whereis"
alias wh="which"
alias shell="exec $SHELL -l"
alias rem="sudo rm -rf"
alias sun="sudo nano"

# GRUB
alias ngrub="sudo nano /etc/default/grub"
alias ugrub="sudo update-grub"
alias cgrub="cat /etc/default/grub"

# Customisations
alias cdf="cd /usr/share/fonts"
alias cdft="cd /usr/share/fonts/truetype/"
alias lsft="ls /usr/share/fonts/truetype/"
alias cdfo="cd /usr/share/fonts/opentype/"
alias lsfo="ls /usr/share/fonts/opentype/"
alias fcache="sudo fc-cache -f -r -s"
alias cdthm="cd /usr/share/themes"
alias cdico="cd /usr/share/icons"
alias lsthm="ls /usr/share/themes"
alias lsico="ls /usr/share/icons"
```