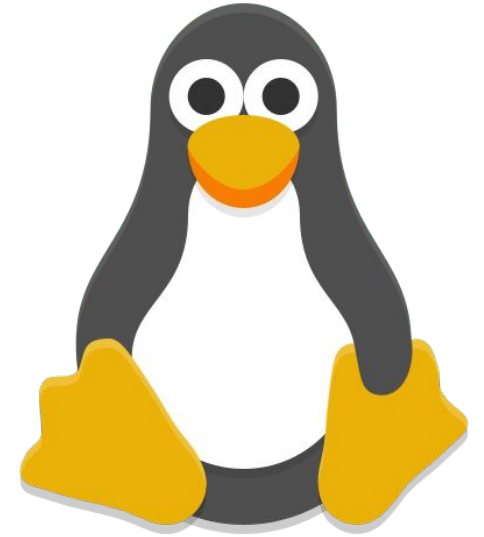


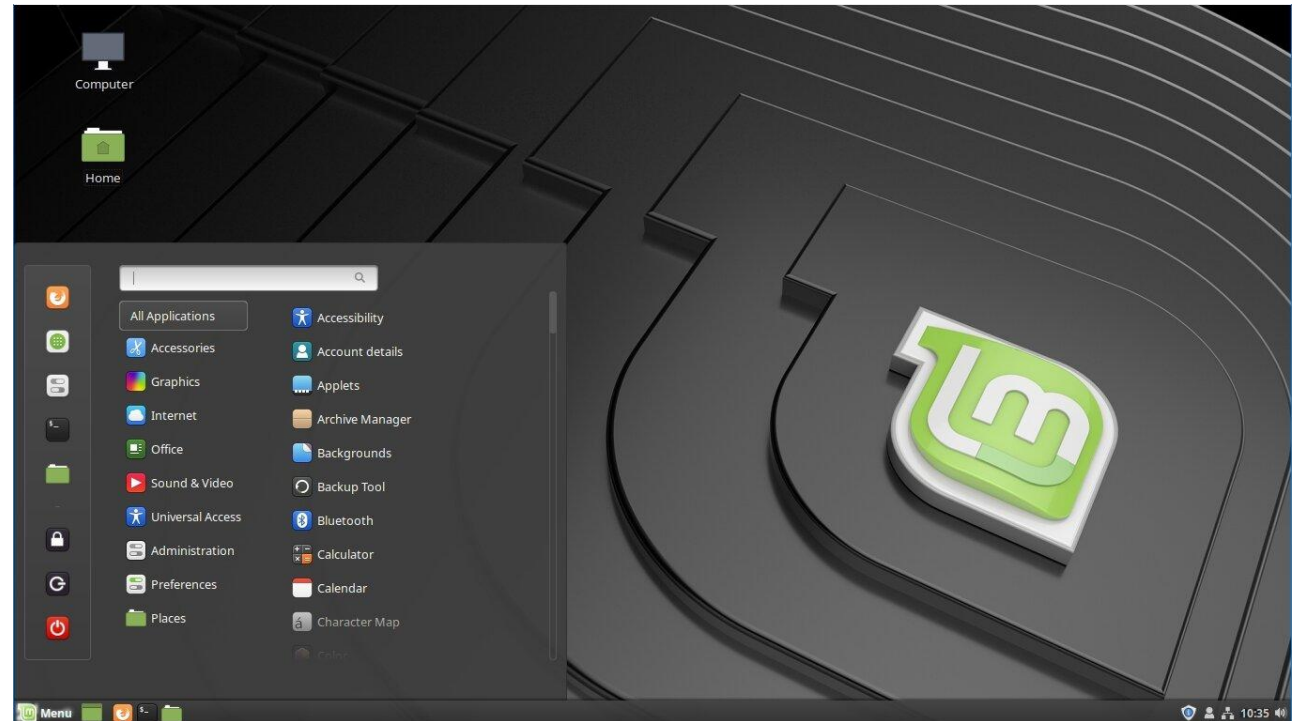
Introductie in Linux

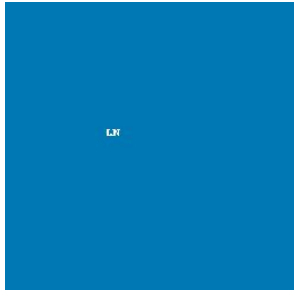
Een eerste kennismaking



Wat is Linux?

- Een gratis en open-source besturingssysteem
- Zeer stabiel en veilig
- Groot ecosysteem van software
- Veel verschillende distributies
- Soms kan/moet je betalen voor extra diensten of uitbreidingen



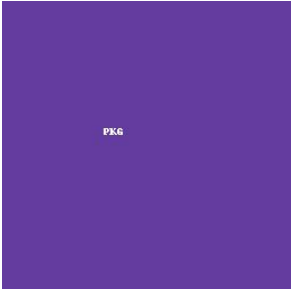


Linux Mint



- Populaire beginnersvriendelijke distributie
- Gebaseerd op Ubuntu
- Cinnamon, MATE en XFCE desktops
- Zeer gebruiksvriendelijk en stabiel





Package Managers

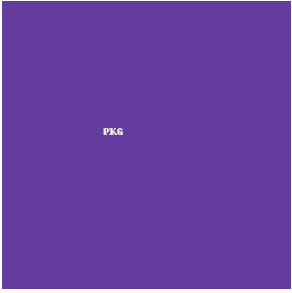
- APT – voor Debian/Ubuntu/Mint
- DNF – Fedora
- Pacman – Arch Linux
- Zypper – openSUSE
- Installeren, verwijderen en updaten van software

```
sudo apt update
```



Package manager Linux Mint

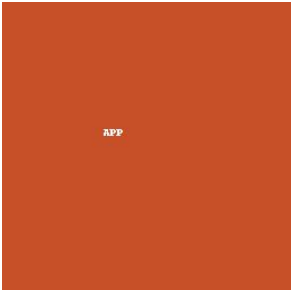




ApplImage, Snap & Flatpak

- ApplImage – draagbare één-bestand apps
- Snap – sandboxed, centraal beheerd
- Flatpak – universeel appsysteem via Flathub

Feature	Flatpak	Snap	ApplImage
Sandboxing Support	Yes	Yes	Yes
Sandboxing Mandatory	Yes	No	No
Running Without Root Access	After installation	After installation	Yes
Native Theme Support	Yes	Yes	Yes
Support for Bundled Libraries	Yes	Yes	Yes
Full App Portability	No	No	Yes
Online App Store	Yes	Yes	No
Multiple Parallel Installations Support	Yes (unlimited number)	Yes (one per channel)	Yes (unlimited number)
Automatic Updates	Yes	Yes	Yes (via ApplImageUpdate)
App Size	Varies, usually greater than ApplImage	Varies, usually greater than ApplImage	Lowest app size
Applications Available	The least	The most	Medium amount
Desktop GUI Apps	Yes	Yes	Yes
Package System Services	No	Yes	No











Alternatieven voor Windows-software

- Video: VLC, MPV
- Audio: Rhythmbox, Clementine
- Word: LibreOffice Writer
- Excel: LibreOffice Calc
- PowerPoint: LibreOffice Impress
- Outlook: Thunderbird



Software Alternatives in Linux

Category	Applications
 Video	 VLC, MPV
 Audio	 Rhythmbox, Clementine
 Word	 LibreOffice Writer
PowerPoint	 LibreOffice Calc
Outlook	 Thunderbird



Programmeren in Linux

- Shell-scripting met bash
- Programmeertalen: **Python**, C, C++, Javascript, Go, Rust
- Ontwikkeltools: GCC, Make, Git, VS Code, **Thonny**

