Course: Complete Guide to Installing and Using Manjaro Linux (2025 Edition)

Module 1: Introduction to Manjaro

1.1 What is Manjaro?

Manjaro is a beginner-friendly Linux distribution based on Arch Linux. It provides all the power of Arch with a more accessible and user-focused experience.

1.2 Key Features

- Based on Arch Linux
- Rolling release system
- Multiple desktop environments (Xfce, GNOME, KDE Plasma)
- Built-in hardware detection and driver management
- Pamac: graphical package manager

1.3 Homepage and Downloads

- Homepage: https://manjaro.org
- Download ISO: https://manjaro.org/download/

Module 2: System Requirements

2.1 Minimum Requirements

- CPU: 1 GHz 64-bit processor
- RAM: 2 GB (4 GB recommended)
- Storage: 30 GB free space
- UEFI or Legacy BIOS support
- Internet connection for updates

Module 3: Preparing for Installation

3.1 Backup Your Data

Always back up your important files before installing a new OS.

3.2 Download the ISO

- Choose your preferred desktop edition: Xfce (lightweight), GNOME, KDE (feature-rich)

3.3 Create Bootable USB

- **Windows**: Use [Rufus](#)
- **Linux/macOS**:

```
sudo dd if=manjaro-*.iso of=/dev/sdX bs=4M status=progress && sync
```

3.4 Configure BIOS/UEFI

- Disable Secure Boot
- Enable UEFI or Legacy mode (based on your choice)
- Set USB as the first boot device

Module 4: Installation Process

4.1 Boot From USB

- Select "Boot with Open Source Drivers" or "Boot with Proprietary Drivers" (for NVIDIA users)

4.2 Launch Installer

- Open "Install Manjaro" from desktop

4.3 Select Language and Region

- Choose language, location, and timezone

4.4 Keyboard Layout

- Confirm or adjust keyboard layout

4.5 Partition Disk

- **Erase Disk**: Auto partitioning (recommended for new users)
- **Manual Partitioning**: For advanced users or dual booting

Recommended Manual Partitions:

- EFI System Partition (300MB, FAT32, mount: /boot/efi)

- root (ext4, 30 GB+, mount: /)
- swap (equal to RAM or use a swapfile)
- home (remaining space, ext4, mount: /home)

4.6 User Account Setup

- Create your username, password, and computer name

4.7 Start Installation

- Confirm settings and click Install
- Installation takes about 10–15 minutes

4.8 Reboot

- Remove USB when prompted and boot into Manjaro

Module 5: Post-Installation Setup

5.1 First Boot

- Log in with your credentials

5.2 Update System

```
sudo pacman -Syu
```

5.3 Pamac GUI Setup

- Open Add/Remove Software to install Flatpaks, AUR packages, and updates

5.4 Enable AUR and Flatpak

- Go to Preferences → Third Party → Enable AUR and Flatpak

5.5 Essential Software

```
sudo pacman -S firefox vlc gimp gparted
```

Module 6: Best Use Cases

6.1 For Beginners

    • Easy graphical installer, GUI package manager

6.2 For Developers

    • Rolling release keeps you on latest versions
    • Access to AUR for cutting-edge tools

6.3 For Power Users

    • Arch base with custom kernel and tweaks
    • Tiling WMs and custom DEs easily available

6.4 Gaming

    • Steam, Proton, and gaming tools via pamac/AUR
    • Optimized proprietary GPU support

Module 7: Maintenance and Troubleshooting

7.1 Update System Regularly

```
sudo pacman -Syu
```

7.2 Install TLP for Power Saving (laptops)

```
sudo pacman -S tlp && sudo systemctl enable tlp --now
```

7.3 Remove Orphans

```
sudo pacman -Rns $(pacman -Qtdq)
```

7.4 Fix Boot Issues

    • Boot into live USB and chroot into system

```
manjaro-chroot -a
```

- Reinstall bootloader if needed

Module 8: Advanced Tips

8.1 Use Timeshift for Backups

```
sudo pacman -S timeshift
```

8.2 Use BTRFS with Snapshots

- Use BTRFS during install for rollback features
- Pair with Timeshift for system protection

8.3 Install Custom Kernels

```
mhwd-kernel -li       # List installed
mhwd-kernel -i linuxX   # Install another (e.g., linux61)
```

Course Completion

You've learned:

- How to install Manjaro step by step
- Post-installation best practices
- Useful commands and desktop tips
- Ideal use cases and customization

📥Download Manjaro: https://manjaro.org/download/

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