**Course: Complete Guide to Installing and Using KDE Neon (2025 Edition)**

# Module 1: Introduction to KDE Neon

## 1.1 What is KDE Neon?

KDE Neon is a Linux distribution focused on delivering the latest KDE Plasma desktop and applications on a stable Ubuntu LTS base. It is perfect for users who want a cutting-edge KDE experience with the stability of Ubuntu.

## 1.2 Homepage and Download Link

- Homepage: https://neon.kde.org/
- Download: https://neon.kde.org/download

# Module 2: System Requirements

## 2.1 Minimum System Requirements

- CPU: 64-bit dual-core processor
- RAM: 2 GB (4 GB+ recommended)
- Storage: 20 GB free space
- USB Drive: 4 GB minimum for live USB
- Internet: For updates and online packages

# Module 3: Preparing for Installation

## 3.1 Download the ISO

- Visit the official download page: https://neon.kde.org/download
- Choose the latest **User Edition** ISO file

## 3.2 Create a Bootable USB Drive

**Windows:**

- Use **Rufus**: https://rufus.ie

**Linux/macOS:**

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

## 3.3 BIOS/UEFI Setup

- Enable USB boot
- Disable Secure Boot (if required)
- Set USB as first boot device

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# Module 4: Booting into KDE Neon Live Environment

## 4.1 Boot from USB

- Plug the USB in and restart
- Select "Start KDE Neon" from the boot menu

## 4.2 Explore the Live Session

- Test your Wi-Fi, touchpad, and display
- Use KDE Plasma desktop before installing

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# Module 5: Installing KDE Neon

## 5.1 Start the Installer

- Double-click the **Install KDE Neon** icon on the desktop

## 5.2 Language & Keyboard

- Choose language
- Set keyboard layout

## 5.3 Set Time Zone

- Select region and city

### 5.4 Disk Partitioning

**Automatic:**

- Choose "Erase disk and install KDE Neon"

**Manual:**

- Create the following partitions:
- `/boot` (512 MB, FAT32)
- `/` (ext4 or btrfs, rest of space)
- `swap` (optional)

### 5.5 User Account Setup

- Set username and password
- Choose computer name

### 5.6 Start Installation

- Click "Install Now"
- Wait for installation to complete

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# Module 6: Post-Installation Setup

### 6.1 Reboot System

- Remove USB when prompted

### 6.2 Update the System

```
sudo pkcon refresh && sudo pkcon update
```

### 6.3 Install Common Software

```
sudo apt install vlc gimp libreoffice steam
```

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# Module 7: Best Usage of KDE Neon

## 7.1 For Customization Enthusiasts

- KDE Plasma offers unmatched desktop customization

## 7.2 For Developers

- Use Ubuntu base + KDE tools (Kate, KDevelop)

## 7.3 For Content Creators

- Install OBS Studio, Kdenlive, Krita

## 7.4 Lightweight System

- Efficient for low to mid-range hardware

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# Module 8: Maintenance and System Tools

## 8.1 System Updates

```
sudo pkcon update
```

## 8.2 KDE Settings and Tools

- System Settings: Configure appearance, themes
- Discover: GUI software center
- Konsole: KDE's terminal

## 8.3 Enable Flatpak (Optional)

```
sudo apt install flatpak
```

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# Course Summary

✅You've learned how to:

- Download and prepare KDE Neon
- Install step-by-step with custom or auto partitioning
- Optimize and update your KDE-based system

♑Download KDE Neon: https://neon.kde.org/download

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