

Module 1: Introduction to BigLinux

1.1 What is BigLinux?

BigLinux is a Brazilian Linux distribution based on Arch Linux and Manjaro, focused on providing an intuitive and user-friendly experience with KDE Plasma desktop. It is tailored for multimedia, customization, and performance with easy-to-use tools for both beginners and experienced users.

1.2 Homepage and Download Link

- Homepage: <https://www.biglinux.com.br>
 - Download: <https://sourceforge.net/projects/biglinux/>
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Module 2: System Requirements

2.1 Minimum Requirements

- CPU: 2-core processor (64-bit)
- RAM: 2 GB
- Storage: 20 GB
- GPU: Intel, AMD, or NVIDIA (open drivers supported)

2.2 Recommended Requirements

- CPU: Intel i3 or better
 - RAM: 4 GB or more
 - Storage: 40 GB SSD
 - Internet: Required for updates and multimedia usage
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Module 3: Preparing Installation Media

3.1 Download the ISO Image

- Choose the latest version from the official SourceForge page.

3.2 Create Bootable USB Drive

On Windows:

- Use [Rufus](#) to write ISO to USB

On Linux:

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

3.3 BIOS/UEFI Setup

- Enable USB boot
 - Disable Secure Boot if necessary
 - Select UEFI mode for modern systems
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Module 4: Booting and Installation

4.1 Boot from USB

- Insert USB drive
- Restart PC and choose USB from boot menu

4.2 Try or Install

- Choose “Install BigLinux” or test with “Try BigLinux” (Live session)
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Module 5: Installation Steps

5.1 Launch Installer

- Select language, region, and keyboard layout

5.2 Disk Partitioning

Automatic:

- Use entire disk for BigLinux

Manual (Advanced):

- `/boot/efi` (FAT32 – 512 MB)
- `/` (ext4 – 20+ GB)
- `swap` (optional, especially for low RAM systems)

5.3 User Account Setup

- Set username, password, and PC name

5.4 Install System

- Review settings and click Install
- Remove USB after installation and reboot

Module 6: First Boot and Post-Installation

6.1 Update System

```
sudo pacman -Syu
```

6.2 Install Common Software

- Office: LibreOffice, OnlyOffice
- Multimedia: VLC, Kdenlive, OBS Studio
- Development: VSCode, Git, Python, Node.js

6.3 Enable Firewall and SSH

```
sudo systemctl enable --now ufw
sudo ufw enable
```

Module 7: Best Use Cases of BigLinux

7.1 Multimedia Content Creators

- Pre-installed tools for video/audio editing

7.2 Home and Office Use

- KDE desktop, productivity apps, and web browsing

7.3 Education and Learning Linux

- Easy UI, Arch/Manjaro base for deeper learning

7.4 Customization Enthusiasts

- Theme, icons, and effects manager built-in
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Module 8: Maintenance and Tools

8.1 BigLinux Control Center

- Manage system, themes, drivers, and performance

8.2 Install More Software

```
pamac install <package-name>
```


8.3 Remove Unwanted Software

```
pamac remove <package-name>
```

8.4 System Cleanup

```
pamac remove --orphans  
pamac clean
```

Course Summary

 You've learned:

- How to install and configure BigLinux
- Use cases, tools, and maintenance

- KDE-powered, beginner-friendly Arch-based distro

 Download BigLinux: <https://sourceforge.net/projects/biglinux/>

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