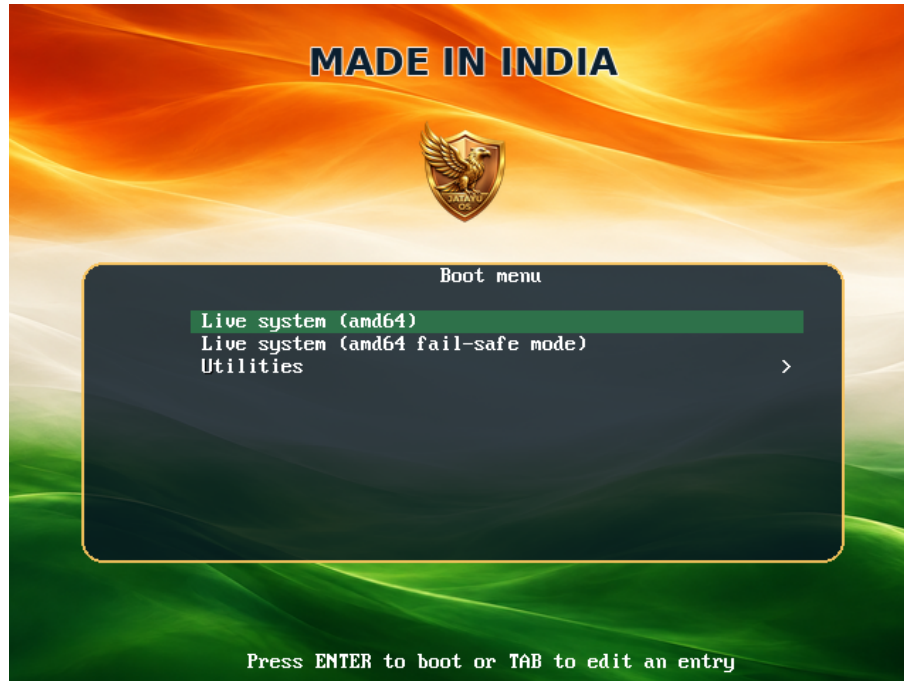


JatayuOS Installation Guide

JatayuOS 1.0 Udaan

Read this guide before changing disks. It covers starting the live ISO, a clean installation, Windows UEFI manual dual boot and first installed boot. Installer screens depend on the detected disks and firmware mode.



Normal live-system entry in the supplied BIOS-style VM boot menu.

Prepare first

- Back up personal files to another device and check that the backup opens.
- For Windows, save the BitLocker recovery key before boot or partition changes.
- Identify the target disk by model, capacity and existing partitions.
- Keep the downloaded ISO and its supplied SHA256SUMS file.
- Connect power and allow the installation to finish without interruption.

Use disposable virtual disks for a first installation rehearsal. VM success does not prove that another machine or Windows disk layout is safe.

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Verify and start the live system

Verify the download

Keep the ISO and SHA256SUMS in the same directory. Open a terminal in that directory and run:

```
sha256sum -c SHA256SUMS
```

The ISO entry should report OK. A mismatch means the file differs from the checksum; do not proceed with that copy. A checksum confirms file integrity against the supplied value, not the authenticity of an untrusted download source.

Start from USB or a VM

Write the ISO to a USB using your chosen image writer and carefully select the removable target; writing the image erases that USB. In a VM, attach the ISO as optical media and use a separate empty virtual disk. Match the firmware mode needed for your installation.



Open Installation Guide before selecting Install JatayuOS.

Boot the normal Live system entry. Choose **Try JatayuOS** and check keyboard, display, networking and files. Then launch **Install JatayuOS** from the desktop or live welcome. Installation changes require administrator approval.

Clean installation or erase and reinstall

Erase disk deletes data on the selected target disk. This route is appropriate only when that disk's existing contents can be removed. It does not preserve Windows or personal files on that disk.

1. Launch Install JatayuOS from the live session.
2. Review the installer's location/timezone and keyboard settings. The live welcome's lack of a language selector does not remove the installer's normal settings pages.
3. On partitioning, choose the intended disk and the erase option only after checking its model and capacity.
4. Enter your user details and a strong, unique password. Store it securely.
5. Read the final summary. Confirm every partition that will be created, formatted or removed belongs to the intended target.
6. Start installation. Wait for completion and avoid disconnecting power or the target drive.
7. Restart when prompted and remove or detach the installation media when safe. Boot the installed disk.

Manual installation on an empty disk

Use manual partitioning only if you understand the selected layout. An ext4 root filesystem mounted at `/` is required. UEFI installation also needs an appropriate EFI System Partition mounted at `/boot/efi`. BIOS and UEFI requirements differ; do not apply an arbitrary UEFI partition recipe to a BIOS layout.

Before approving the summary

- The selected disk and partition sizes match your plan.
- Required mount points are assigned.
- No unrelated disk or preserved data partition is marked for formatting.
- The installer is booted in the intended firmware mode.

Note. Alongside installation appears only when the installer supports the detected layout. If it is absent, do not assume the disk is suitable or force an unreviewed workaround.

Windows UEFI manual dual boot

Use this route only after preparing a backup and the BitLocker recovery key. Existing Microsoft EFI files, Windows partitions and recovery partitions must be preserved.

Prepare from Windows

1. Use Windows Disk Management to shrink a supported Windows volume and leave unallocated space for JatayuOS.
2. Disable Windows Fast Startup and shut Windows down fully. Do not edit a hibernated Windows filesystem from Linux.
3. Boot the JatayuOS USB in the same firmware mode as Windows, normally UEFI.

Assign partitions in Calamares

Partition	Action
New Linux root in unallocated space	Create ext4 assign / and format only this new filesystem
Existing EFI System Partition	Assign /boot/efi and leave formatting disabled
Windows NTFS partitions	Leave unchanged
Microsoft reserved and recovery partitions	Leave unchanged

Double-check the EFI partition on machines with multiple disks or multiple EFI partitions. Do not identify it by size alone. If the layout is uncertain, stop before applying changes.

Review and test

Read the final summary and confirm that no Windows, Microsoft reserved, recovery or existing EFI filesystem will be formatted. After installation, test both JatayuOS and Windows Boot Manager. Keep the BitLocker recovery key available for Windows.

Note. GRUB detection cannot recreate missing Microsoft EFI files. If Windows already cannot boot because those files are absent, use a separate Windows recovery process before assuming Linux installation will repair it.

Detailed project policy: docs/DUAL-BOOT.md in the JatayuOS repository.

First installed boot



The supplied live desktop shows the visual identity; an installed desktop need not retain the live installer icons.

1. Boot the installed disk with the ISO detached or USB removed. Sign in with the user account created during installation.
2. Open Aarambh and use its help or shortcuts. Uncheck Show Aarambh when I sign in if you want it disabled at future logins.
3. Connect to the network and confirm the system date and time.
4. Refresh updates and inspect the available package list.
5. Check sound, input, Dolphin, Firefox and the Jatayu Tools applications.

```
timedatectl status  
sudo apt update  
apt list --upgradable
```

The time daemon is included in this candidate. Synchronization still needs reachable network time. An error-free APT refresh followed by “All packages are up to date” is a valid result; daily upgrades are not guaranteed.

Test wallpaper persistence and a clean restart. For dual boot, also start Windows and confirm access to its files.

Installation troubleshooting and checklist

Problem	Action
Installer will not launch	Use the live ISO and check authentication or visible error text
Target disk is missing	Check firmware storage mode VM disk attachment and controller support
Black screen or startup stall	Record firmware mode graphics settings and last visible screen
No alongside option	Review the detected layout do not assume manual changes are safe
Windows missing from GRUB	Check Windows Boot Manager in firmware and whether its EFI files exist
Update signature not valid yet	Verify clock network and active time synchronization

Record the installation result

- ISO checksum and SOURCE-COMMIT.txt recorded.
- Live session reaches the desktop and essential hardware works.
- Installation completes on the intended disk.
- Installed login works with installation media removed.
- Time synchronization and package refresh work.
- Jatayu applications launch and wallpaper persists.
- Windows boot tested separately if dual boot was configured.

References and limits

This guide follows the repository's Calamares policy in docs/DUAL-BOOT.md and startup behavior in apps/app.py. It uses owner-supplied VM images and the owner's acceptance report for Build 35.

Secure Boot, encryption, BIOS, Windows layouts and Android require separate tests. No partition-screen captures were supplied.

Project: github.com/jatayu4u/jatayu4u

Website: jatayu.in

APT reference: Debian Reference Chapter 2.

Stop before confirmation if the disk layout is unfamiliar.