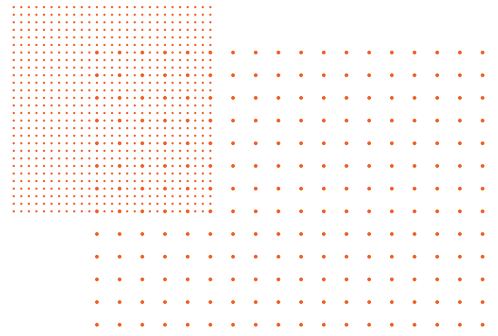


Ubuntu on ARM[®]



What is Ubuntu?

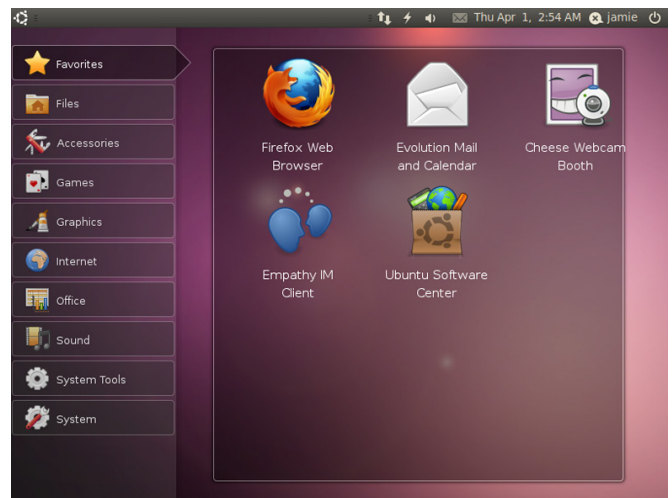
Ubuntu is the world's fastest growing Linux-based operating system. Ubuntu has changed how the world sees and uses Linux on end-user devices by being easy to use and compatible with peripherals. This is why Ubuntu has millions of users, an active, international developer community and a globally recognised brand. Ubuntu's market success and technical leadership have led to the creation of an ecosystem which includes many commercial enterprises, independent software vendors (ISVs), hardware component vendors and end users. Canonical, the commercial sponsor of Ubuntu, through its partnership with ARM and ARM SoC partners, offers original design manufacturers (ODMs), original equipment manufacturers (OEMs) and operators the opportunity to launch attractive, high-performance products quickly and easily into the emerging Smartbook and Smarttop market.

What is Ubuntu on ARM?

Ubuntu for ARM provides a platform for the best collection of open-source and proprietary applications available on ARM. These include Firefox 3.5, Evolution e-mail client, the Rhythmbox media player and OpenOffice.org. This is a separate distribution for ARM removing unused packages and optimising the desktop. Highlights include DeviceTree support and ARM v7 Thumb2 optimisations.

Why choose Ubuntu on ARM?

- A great user experience – Ubuntu provides a state-of-the art, highly-customisable user experience that is in use by millions of consumers worldwide.
- Great applications – Why force your customers to go to other providers for core applications like office productivity, media players and social networking when it's all built into Ubuntu.
- Support for a range of ARM processors – Canonical is working with multiple ARM SoC vendors to deliver coverage on the leading platforms. This enables devices to get to market quicker, delivering an exceptional user experience.



Ubuntu on ARM

- Platform optimisations – Ubuntu works superbly on ARM technology-based processors, providing benefits such as 720p video playback and fast browsing, without compromising battery life.
- Efficient hardware use – Ubuntu's small disk footprint, ARM compatibility and low memory requirements drive low BOM costs and simplify thermal and power management.
- Secure – Ubuntu is immune to Windows viruses and trojans, while built-in security features and regular updates give maximum safety to your customers.
- World-class support from Canonical – Canonical can provide the highest level of engineering expertise on Ubuntu, guaranteeing you a stable, updateable platform for any form factor.
- Clean licensing – all work conforms with open source and commercial application licensing with audio and video codecs that are legally licensable.
- Compatibility – Ubuntu is compatible with a large number and growing range of on and off-board devices, from web cams to printers. This enables devices to get to market quicker, delivering on exceptional user experience.

Why would I work with Canonical for Ubuntu on ARM?

Canonical has developed a complete offering which provides an effective route to market for any OEM. It brings all the advantages of a recognised brand name and a reputation for engineering excellence along with superb software maintenance.

How do Canonical and ARM work together?

Through a joint collaboration, ARM and Canonical engineers have optimised Ubuntu for ARM technology-based computers. These efforts include everything from optimised boot time, to improving power management for enhanced mobility, to extensively testing and validating drivers for on-board graphics, wired and wireless network adapters.

Technical specifications

Minimum hardware requirements	Optional licensed audio and video decoders	Languages supported
<ul style="list-style-type: none"> • SoC: Freescale iMX51 or Marvell Dove 	<ul style="list-style-type: none"> • Adobe FlashLite 3.1* 	<ul style="list-style-type: none"> • English
<ul style="list-style-type: none"> • RAM: 512 MB 	<ul style="list-style-type: none"> • MPEG4 (H.263) 	<ul style="list-style-type: none"> • Portuguese
<ul style="list-style-type: none"> • Storage: 4 GB Flash disk (SSD) or hard disk 	<ul style="list-style-type: none"> • MP3 	<ul style="list-style-type: none"> • French
	<ul style="list-style-type: none"> • AAC 	<ul style="list-style-type: none"> • Finnish
Major open source applications included:	<ul style="list-style-type: none"> • Windows Media 	<ul style="list-style-type: none"> • Swedish
<ul style="list-style-type: none"> • Web browser – Firefox 3.5 		<ul style="list-style-type: none"> • German
<ul style="list-style-type: none"> • E-mail client – Evolution 		<ul style="list-style-type: none"> • Spanish
<ul style="list-style-type: none"> • Instant messenger – Empathy 		<ul style="list-style-type: none"> • Chinese Simplified
<ul style="list-style-type: none"> • Media player – Totem, Rhythmbox 		<ul style="list-style-type: none"> • Chinese Traditional
<ul style="list-style-type: none"> • Photo viewer – F-Spot 		<ul style="list-style-type: none"> • Japanese
<ul style="list-style-type: none"> • Java RE: Open JD 		<ul style="list-style-type: none"> • Korean

*Adobe Flash 10.1 when available from Adobe

How do I find out more?

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