

OpenServer 10

Powering Business

Support critical business applications with the high-performing XinuOS OpenServer 10.

A New Generation

XinuOS OpenServer 10 is a 64-bit operating system based on the popular FreeBSD. It was designed to support business applications within an enterprise environment.

OpenServer 10 supports the latest hardware and peripherals and gives you more choices for business applications. New support, security, and management tools boost performance, scalability, and reliability so business runs more smoothly.

OpenServer 10 was designed as an all-in-one platform to support applications, edge-of-network services, and mail, web, file, and print servers. Based on UNIX® technology, OpenServer 10 keeps your network running 24x7 so you can focus on growing your business. Download is free with web-based installation and support bundles are available for easy, affordable access to 24x7 support, maintenance, upgrades, and XinuOS-certified applications.

More choices for applications

With support for the FreeBSD® Ports and Packages Collection you'll have a simple way for users and administrators to install applications as soon as they're available.

Future-proof

As an open source system, OpenServer 10 will grow as your business does. You can stay current with new

On Amazon Web Services

OpenServer 10 is available as an AMI on the Amazon public cloud for an easy-to-launch no installation solution. With OpenServer 10 on Amazon Web Services (AWS) you can have a virtualized operating system with any memory size and storage capacity within minutes. You can easily access this cloud OS using any RDP client or SSH.

XinuOS support is available for OpenServer 10 on AWS and you can remotely manage the servers using OpenCommander.

Applications Development

OpenServer 10 contains industry standard compilers and interpretive languages as well as all other leading languages that enable the rapid development of applications. Other key development tools include:

- Java development based on FreeBSD Java® Project
- Enhanced math library
- Enhanced graphical debugger
- Diagnostics of dynamic memory allocation errors

technology, add new devices without incompatibilities, and rest assured that your system scales for the future.

TCO savings

With a system that's easy to use, there's little training needed for your IT staff and users. And because OpenServer 10 stays up and running reliably it's less costly to maintain and support. You can even remotely manage your system to help keep costs in check.

Remote management

New for OpenServer 10 are optional remote management tools to keep your systems up and running without constant attention. Our browser-based server management system is accessible from any device with an intuitive dashboard to manage your hardware, operating system, and applications. You can also securely monitor abnormal events and take immediate action with real-time alerts and remote progress monitoring.

Ease of use

OpenServer 10 makes IT management simpler. The graphical workstation supports AMD GPUs, nVidia graphics hardware, and industry-standard Motif® and OpenGL® libraries. The Xfce graphical desktop is a default and KDE and GNOME are available. All industry-standard office suites are included.

You can connect remotely to OpenServer 10 using Xrdp or OpenSSH. Xrdp allows any Windows®-based RDP client to connect. The popular RDP client is available on all platforms, including Mac, mobile, and other *ix.

Support

For added peace of mind, we offer support bundles for OpenServer 10 including flexible break/fix support tailored to your unique business requirements. Additional services such as 24x7 support are also available.

Professional Services

Our industry-leading consultants combine professionalism, creativity, and attention to detail to help you with server migrations, deployments, and replication.

Xinuos Repository

You can rely on Xinuos rich history of compatibility. The Xinuos repository contains selected ports and packages that have been tested together to make sure updates of ports and packages remain compatible.

Key Features

Firewalls: OpenServer 10 includes IPFW and IPFilter, as well as a modified version of the popular packet filters with improved SMP performance, allowing network administrators to simulate adverse network conditions, including latency, jitter, packet loss, and limited bandwidth.

Security: Access control lists (ACLs), security event auditing, extended file system attributes, mandatory access controls (MAC), and fine-grained capabilities all support robust security protocol. The system also includes NSA's FLASK/TE implementation and OpenBSM, an open source implementation of Sun's Basic Security Module (BSM) API and audit log file format.

Linux emulation: This provides a system call translation layer that allows unmodified Linux binaries to be run on OpenServer 10.

OpenZFS: A leading file system that contains the functionality of traditional filesystems, volume managers, and much more. OpenZFS allows destroy operations to happen in the background, makes snapshots consume less disk space, and offering a better compression algorithm for compressed datasets. TRIM support provides ability to send frees / deletes to vdevs to ensure devices like SSD's maintain optimal performance.

Supports RAID pools (RAID-Z pools) and enables the RAID-Z pools to be expanded one disk at a time. Allows for full RAID protection of data using less expensive SATA drives.

VirtualBox

Xinuos OpenServer 10 incorporates VirtualBox enabling OpenServer 10 to be used as a host for virtualization. Xinuos has enhanced all the Definitive operating systems to run with the OpenServer 10 virtual host.

Xinuos has also built a VirtualBox administrative interface into OpenCommander, which is called the "Stack", to install and manage virtual machines using the browser based OpenCommander management system. Utilizing the OpenServer 10 Stack with the Definitive versions enables you to continue to run your critical applications.



Application installation and updates: A world-class application management system supports signed packages so you can have safe upgrades from FreeBSD or Xinuos collections. More than 23,000 third party applications can be easily installed and run on OpenServer 10.

Unmapped I/O: The implementation of unmapped VMIO buffers eliminates the need to perform costly TLB shutdowns for buffer creation and reuse, reducing system CPU time by up to 25-30% on large SMP machines under heavy I/O load.

OpenCommander

Xinuos OpenCommander is a browser-based server management system accessible from any device.

OpenCommander includes hardware and software configuration management giving administrators an intuitive dashboard to manage their hardware, operating system, and applications.



About XinuOS

XinuOS provides commercial customers with operating systems that are reliable, dependable and secure for mission-critical applications that demand rock-solid performance. The XinuOS general-purpose operating systems are on pace with hardware and software industry advances and are designed to power any size business that requires stability, reliability, and scalability.

Learn more at www.xinuos.com.

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