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Introduction

The libvirt project:

- is a toolkit to manage virtualization platforms
- is accessible from C, Python, Perl, Go and more
- is licensed under open source licenses
- supports KVM, Hypervisor.framework, QEMU, Xen, Virtuozzo, VMware ESX, LXC, BHyve and more
- targets Linux, FreeBSD, Windows and macOS
- is used by many applications

Recent / forthcoming release changes

Quick Links

New contributors

Get involved in the libvirt community & student outreach programs

Submitting patches

Already a regular open source contributor and have git set up? Have a quick look at how to propose your changes to libvirt correctly

Security vulnerabilities

View security notices and report vulnerabilities to the libvirt security response team

Bug reporting

View and report bugs in libvirt packages

XML configuration

Description of the XML schemas for domains, networks, network filtering, storage, storage encryption, capabilities, domain capabilities, storage pool capabilities, node devices, secrets, snapshots, checkpoints, backup jobs

Wiki

Read further community contributed content

Knowledge base

Learn more about libvirt through knowledge base

Documentation

Comprehensive documentation map

Blog Planet

Thank you, AI[1]

by Gerd Hoffmann on Jan 25, 2026

OVMF goes IGVM

by Gerd Hoffmann on Jan 14, 2026

Building a virtio-serial FPGA device (Part 4): Virtqueue processing

by Unknown on Jan 10, 2026

Building a virtio-serial FPGA device (Part 1): Overview

by Unknown on Jan 10, 2026

Read more on the Virt Tools blog planet

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Community

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stackoverflow

serverfault

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