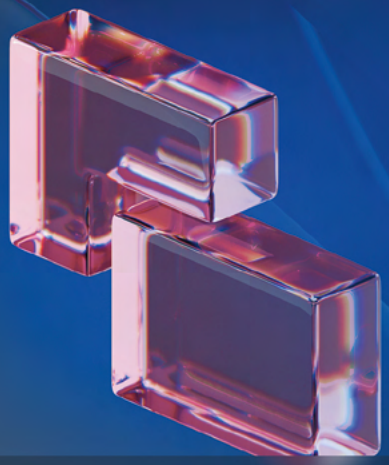
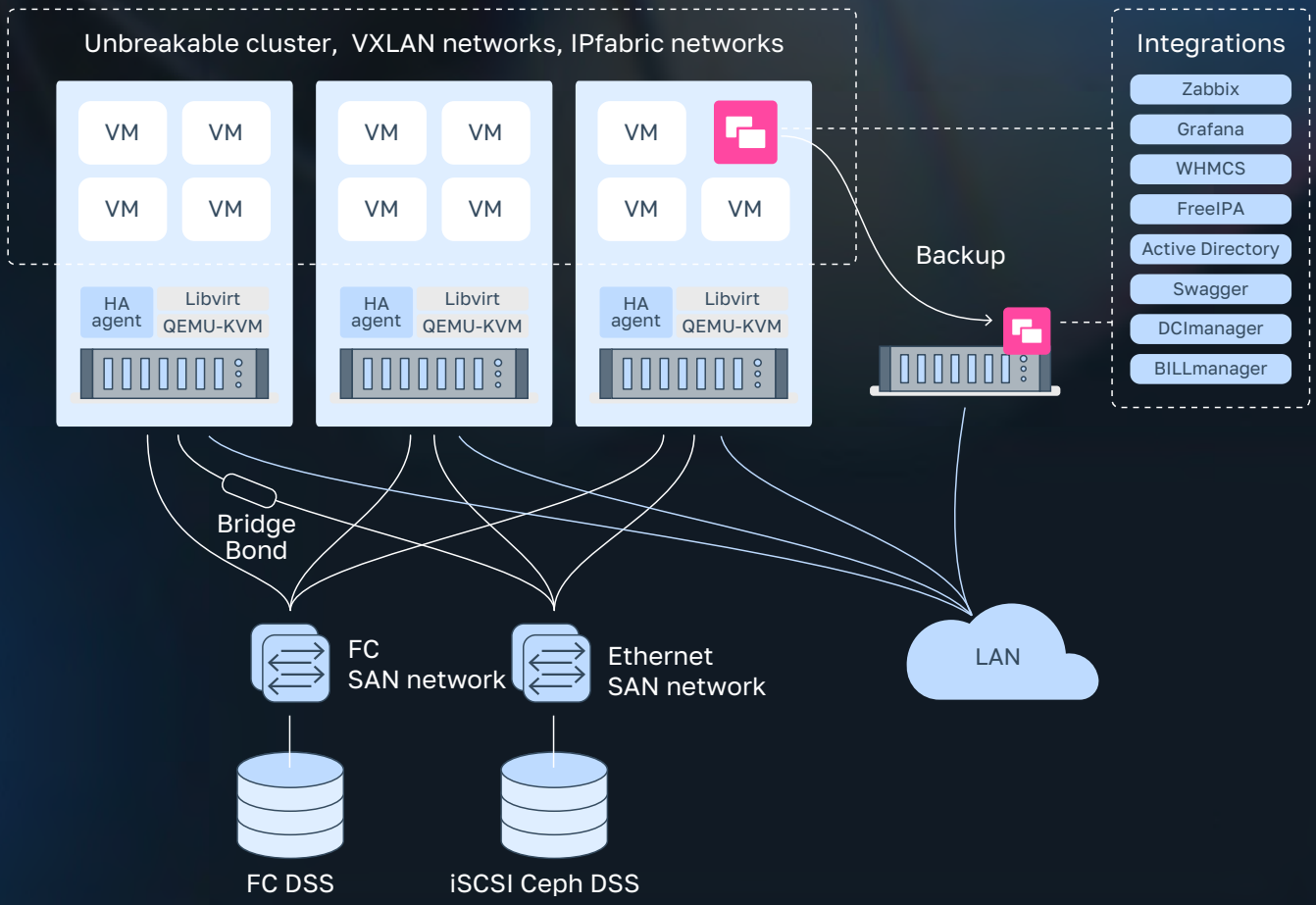
vmmanager

by ispsystem

A state-of-the-art server virtualization platform that integrates all key capabilities: from rapid VM deployment and high availability clusters to flexible management of networks, storage, and security.

- Creating high-availability virtualization cluster
- Standalone server environments virtualization
- Desktop virtualization (VDI)





A unified platform for infrastructure of any scale

From a single server to tens of thousands of virtual machines – VMmanager's architecture supports evolutionary growth of infrastructure and quick scaling. Management spans isolated hosts and distributed environments with hundreds of nodes. Support for 25,000+ VMs in a single system confirms the platform's readiness for rapid growth. That is:

- 300,000+ virtual machines managed;
- 65,000+ virtual machines in one installation;
- 700+ nodes in one cluster.

The platform is suitable for building any IT environment – without changing tools or architectural limitations.

Platform stability

VMmanager has been developing for over 15 years – it is a mature, stable, and reliable product with proven operational experience across various markets. The platform regularly receives updates and new functionality.

Quick launch and intuitive control

Ready-made virtualization cluster in one day. Automated host connectivity allows scaling to hundreds of equipment racks without manual configuration. A user-friendly interface, built-in monitoring, and notification system ensure effective infrastructure management immediately after launch.

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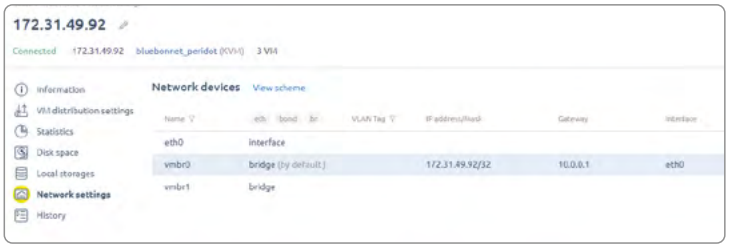
Flexibility and control over development

The entire VMmanager code and business logic are developed within ISPsystem, independently from roadmaps of third-party open-source projects. This ensures full control over product development and allows for the prompt implementation of features in demand by the market.

High availability of platform

The infrastructure continues to operate even if one of the components fails. VMmanager's microservice architecture isolates failures – a problem in one service does not affect the platform's operation. VMmanager allows you to deploy high availability (HA) clusters and connect reliable storages (SAN, NAS, Ceph) to protect your data.



With VMmanager, you can create scalable and high-availability virtualization environment, and commit it to operation of buisness-critical applications.

IP address management and accounting

The built-in IPAM system simplifies address space management. A tree view shows network structure and nesting in an understandable map. This speeds up the search for free addresses, conflict resolution, and report generation. The system maintains an up-to-date registry, verifies addresses, and distributes them upon request – either manually or automatically.

Infrastructure control and incident management

VMmanager provides a complete picture of your infrastructure, including detailed metrics on traffic, vCPU load, RAM, and other key indicators. Data are available in the native panel or Grafana dashboards. Instant integration with Zabbix, Nagios, and other systems allows you to predict loads and prevent failures.

A library of ready-to-use OS for instant deployment

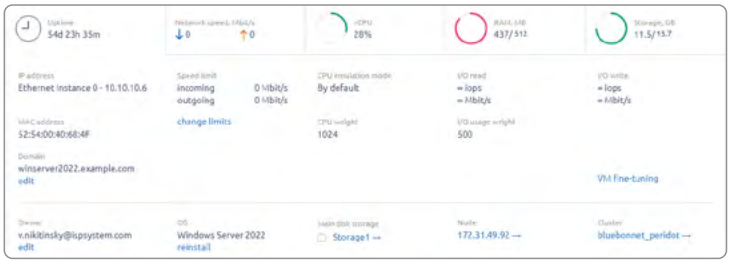
With VMmanager, virtual servers launch in minutes, not hours. The platform includes a built-in library of 60+ ready-made OS images, automatically downloads the required one, and deploys the VM, saving a local copy for subsequent installations.

Enterprise-grade software-defined network (SDN)

The ability to build flexible and isolated networks on top of any physical infrastructure. VMmanager's built-in SDN fabric based on IP fabric, VxLAN, iBGP/eBGP, and EVPN allows for complete hardware abstraction. Isolated L2 domains are created, which are stretched between data centers. VM migration between geo-distributed data centers occurs without changing IP addresses, providing high flexibility for DRP, migrations, and service distribution.

Multi-tenant platform for isolated self-service

VMmanager's multi-tenant architecture provides complete isolation for each client (tenant) and department, allowing them to work in their own environment without compromising their infrastructure. Users independently manage resources through their personal account: install OS, monitor traffic, and reboot servers.



VMmanager dashboard example. Resource consumption can be tracked directly in the platform interface.

Graphics power for virtual workstations and AI workloads

VMmanager allows you to connect GPUs to virtual machines either fully or by sharing resources, providing two modes of working with graphics accelerators from the platform interface:

- GPU Passthrough – for tasks that require maximum performance (rendering, CAD, ML). A physical GPU is fully and directly dedicated to a single virtual machine.
- Virtual GPU (vGPU) – for efficient use of resources (desktop virtualization, VDI). One physical GPU is shared between multiple virtual machines.

Continuous operation and minimization of downtime

High availability of business applications in VMmanager is provided comprehensively – live migration of VMs between nodes and storages, on-the-fly parameter changes, and a built-in load balancer. Infrastructure maintenance occurs without interrupting business, while updates and scaling are seamless for users.

VMmanager creates a fault-tolerant and fully manageable ecosystem — from hypervisor to user workstation.

VMmanager licensing

Based on the number of physical servers within a cluster.

License types

- **Subscription licenses** with technical support and updates: 1 year, 2 years, 3 years.
- **Perpetual licenses** with technical support and updates for 1 year, 2 years and 3 years.

VMmanager Roadmap

Do you have any questions left?

Our support is available 24/7

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