

BTS LABS

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GLOBAL VAD

BTS Olympos Virtualization Platform

Powerful, Flexible and Next-Generation Virtualization

BTS Olympos Virtualization Platform is a high-performance system virtualization platform developed to help businesses modernize and manage their IT infrastructure more efficiently. With its user-friendly management interface, robust infrastructure, and scalable architecture, Olympos offers a seamless, secure, and flexible virtualization experience for both small businesses and large data centers.

Olympos, thanks to its vendor agnosticism and comprehensive hardware support, ensures that hardware resources are used in the most efficient way and delivers near-native performance on virtual machines running different operating systems.

Compared to traditional virtualization solutions, Olympos offers flexible architecture and easy management capabilities, helping organizations optimize their infrastructure costs and accelerate operational processes. With advanced storage, network management, and security features, Olympos provides full control, uninterrupted availability, and superior performance.

Key Benefits



Vendor Agnosticism: Provides a vendor agnostic, comprehensive hardware support and makes the most efficient use of the existing infrastructure.



Simplified Management: Reduces complexity and speeds up operational processes with a user-friendly web-based management interface.



Flexibility and Scalability: Easily adapts to increasing workloads and evolving business needs.



Efficient Resource Utilization: Provides optimized performance for virtual machines and maximizes returns on hardware investments.



Seamless Business Continuity: Ensures uninterrupted operations with high availability and automatic workload balancing features.



Local Support: Provides solutions to the local market's needs with Turkish-language support.

General Features

Server Virtualization

- Support for 32/64-bit Linux and Windows-based virtual server operating systems
- Broad compatibility with physical hardware and peripheral components.
- Web-based management interface for seamless administration
- Near-native performance achieved through a purpose-built virtualization layer
- Ability to create template images from VMs and deploy new VMs from templates
- Hot-scaling of CPU, memory, and disk resources without shutting down VMs*
- Support for different types of disk management interfaces (IDE, SCSI, VirtIO)

Advanced Networking Features

- Distributed virtual switch
- 802.1Q VLAN tagging and port groups
- Advanced network segmentation within clusters using VxLAN technology (compliant with RFC-7348) for creating isolated server networks
- Traffic load distribution and high availability via multi-port redundancy (LACP)
- Micro-segmentation rules at the IP address or port range level (L3-L4) to manage intra-cluster east-west traffic effectively



For system management, at least one management node is mandatory. To enable high availability, a minimum of three virtualization nodes is required.

Flexible Storage Options**

- FC or iSCSI block devices
- NFS file sharing
- All Flash (SSD or NVME)

High Availability Clustering

- Enhanced cluster features providing stable and reliable virtualization infrastructure
- Cluster and server environments that can be managed through a unified interface
- Automatic migration of virtual servers to alternate physical servers in the event of hardware issues
- Access to multiple clusters from a single management interface
- Heterogeneous cluster support, allowing different hardware families to coexist within the same cluster.
- Live migration of VMs between physical hosts within the cluster
- Load balancing function for automatic or suggestion-based distribution of virtual servers to suitable servers within the cluster, based on CPU and memory usage of the physical servers

*Tested only on up-to-date Linux servers.

**Limitations may apply depending on the hypervisor and storage vendor.