



Database Management System



What's ODAK ?

ODAK, is a DBaaS platform that emerged with the combination of open source technologies with the assurance of HAVELSAN. The platform enables organizations to access database services with important values such as high performance, scalability and redundancy without the need to manually manage infrastructure components so that they can use their database systems.

Values

ODAK provides the opportunity to easily manage the database, hardware and operating system on a single platform with high performance, redundancy and accessibility. While the platform provides fast, comfortable and secure service with the performance values it guarantees with its hardware components, makes it possible to perform all management processes through a single platform with its user-oriented interface.

Reference Architectures

ODAK provides corporate solutions in database management processes with reference architectures related to installation, replication, backup and security approaches.

High Availability

ODAK provides backup and restore from the database and disk layer.

Cost Effective Solutions

ODAK promises to save a minimum of 50% on your database management costs. Eliminates the need for expensive hardware by integrating with standard x86 servers. Since it is developed with open source technologies, it saves higher licence costs.

Security

Databases are managed on enterprise-specific servers.

Expert Team

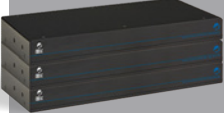
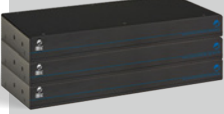
The support of HAVELSAN teams, who are experts in their field, is available in all kinds of problems that may occur while using ODAK.

Product Features

- » DBaaS
- » Management of All Database Components From a Single Platform
- » Reference Architectural Structure for Installation, Replication, Backup and Security Approaches
- » Backup and Restore in Database and Disk Layer
- » Integrated with Standard x86 Servers
- » Private Server to the Institution
- » Guaranteed 1M I/O, 200K TPS, <1ms Latency (on 1 unit server)
- » Role-Based Management
- » Log Management
- » CNI and CSI Packages Management Used in Kubernetes with a Customized PCI Card
- » Cluster Management
- » Load Balancing
- » Backup and Recovery Based on Volume, DB and Table
- » Query Management
- » Detailed Reporting with Alarm and Notification Management
- » Integration with Cloud Native Applications
- » Expert Team Support





Hardware Properties

HARDWARE TYPE	CPU	RAM	DISK FOR DATA STORAGE	OS AND DOCKER REGISTRY	NETWORK	PCIe CARD
SMALL 	2 x Silver 4214R	192 GB	8 TB (4 x 2000 GB NVMe)	960 GB (2 x 480 GB Sata SSD)	Over 40 GbE QSFP+ 4 x 10 GbE	Customized card for high I/O, QoS and infrastructure management operations
MEDIUM 	2 x Silver 5218R	384 GB	8 TB (4 x 2000 GB NVMe)	960 GB (2 x 480 GB Sata SSD)	Over 40 GbE QSFP+ 4 x 10 GbE	Customized card for high I/O, QoS and infrastructure management operations
LARGE 	2 x Silver 623R	768 GB	32 TB (4 x 8000 GB NVMe)	960 GB (2 x 480 GB Sata SSD)	Over 40 GbE QSFP+ 4 x 10 GbE	Customized card for high I/O, QoS and infrastructure management operations



+900K IOPS




+200K TPS

<1MS LATENCY


PERFORMANCE

*Minimum values that can be received in a 1 unit server are specified.