

# The all-in-one virtualization server solution

## NovaScale VMBox

The Bull NovaScale VMBox offering, certified "Virtualized by VMware", is particularly intended for companies wishing to consolidate their application in a cost-effective way with a secured implementation with VMware® in order to rationalize their infrastructure. NovaScale VMBox combines Bull's expertise in infrastructures based on enterprise servers and storage sub-systems with the power of VMware solutions. As a virtualization solution NovaScale VMBox meets major challenges related to sustainable development by reducing the number of deployed servers.

NovaScale VMBox is designed to free up companies from choosing and testing components, sizing servers and integrating hardware and software components. Enterprises are thus able to dedicate themselves to the migration of existing infrastructures.

### **Easier deployment and lower costs**

In order to speed up the infrastructure deployment and facilitate the implementation of virtualized solutions, NovaScale VMBox configurations are completely pre-integrated, thus enabling a 10 times faster deployment of an infrastructure at a lower cost.

### **A wide choice of configurations**

NovaScale VMBox provides a choice of pre-integrated and fine-tuned configurations consisting of servers, storage sub-systems and pre-loaded software.

Combined with the Bull Calypso backup solution in VMware® environments, and with an integrated management, NovaScale VMBox enables a secure operation. In addition, the NovaScale VMBox offering is delivered with dedicated services to guarantee the application high availability.

### **A comprehensive service offering**

Bull delivers a variety of services from the installation to the operation of the virtualization solution as well as the parameterization and fine-tuning of the configuration in order to meet its customers' needs.

In addition, Bull's virtualization Competence Center brings its expertise in sizing, proof of concept (POC), best practices and optimization to deliver ready-to-deploy configurations on the customer site.



PRODUCT SPECIFICATIONS

# The NovaScale VMBox offering consists of three configurations, supporting VMware vSphere 4

## VMBox Discovery consists of:

- one cluster based on two NovaScale R460 F2 servers (a total of 16 cores),
- one Bull StoreWay storage sub-system with a 2.4 TB capacity,
- VMware vSphere Advanced Edition including Update Manager, H.A, vMotion, Fault Tolerance and Data Recovery functionalities,
- one management platform supporting VMware vCenter and BSM (Bull System Manager).

This cluster is able to manage an average of 24 virtual machines.

## VMBox Enterprise consists of:

- one cluster based on two NovaScale R480 E1 servers (a total of 32 cores),
- one Bull StoreWay storage sub-system with a 3.6 TB capacity,
- VMware vSphere Enterprise Edition including Update Manager, H.A., vMotion, Fault Tolerance, Data Recovery, DRS (Distributed Resource Scheduler) and DPM (Distributed Power Management) functionalities,
- one management platform supporting VMware vCenter and Bull System Manager.

This cluster is able to manage an average of 48 virtual machines.

## myVMBox consists of:

- one cluster of NovaScale R460 F2 or NovaScale R480 E1 servers,
- one Bull StoreWay storage sub-system,
- VMware vSphere Edition adapted to the solution (Standard Edition, Advanced Edition, Enterprise Edition or Enterprise Plus Edition),
- VMware vCenter and BSM (Bull System Management) administration functions are run either on a management platform or in VM mode.

All these components can be configured according to the type of applications to be virtualized and to the volume of related data.



Designed to meet the requirements of the Disaster Recovery architecture, the cluster supports VMware vCenter Site Recovery Manager as well as replication software related to disk sub-systems. This highly flexible cluster meets the needs of SMBs and those of large data centers by hosting a limited number of virtual machines as well as several hundreds of VMs while guaranteeing future evolutions.

All these configurations can be completed with Bull Calypso, Bull's backup offering.



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