

# ENMM MARSEILLES

## THE FRENCH MERCHANT MARINE ACADEMY

This specialist navigation academy which trains officers for the merchant navy in France comprises of 550 people, 400 of whom are students and 150 are staff. ENMM Marseilles already had exchange servers, the SharePoint collaborative tool and a domain controller. It also had a total of 300 client workstations, some of which were open access, used by the teachers and students, as well as the academy personnel.



### Optimising, completing and consolidating the infrastructure by virtualising all IT equipment

#### The solution applied: FlexvServer

- In response to the situation, ENMM Marseilles opted for the FlexvServer supplied by NEC and installed by Virtuali.
- The FlexvServer is a high-availability, one-stop virtual infrastructure solution incorporating the VMware Virtual Infrastructure software suite.
- This architecture proved to be more favourable financially than the old one: not only in terms of acquisition costs, but also in terms of protection of investment.
- ENMM Marseilles can now benefit from blade servers, storage, and virtualised servers, all concentrated in one unique and modular chassis. The FlexvServer is also easily scalable and can be adapted to the future developments and constraints of the academy. What's more, installation only took two hours and the daily administration of the entire infrastructure only requires a few clicks.

#### THE SELECTION CRITERIA

A simple solution

A reliable and stable server

A reduction in acquisition and maintenance costs

Ease of operation and administration

# A SIMPLE, FLEXIBLE AND ECONOMICAL "ALL-IN-ONE" SOLUTION

## NEC FlexvServer: all the virtual infrastructure in a single modular system

*"A simple, well-designed – not to mention fun – graphical user interface has been implemented. You no longer need to be a network administrator to be able to use it,"*

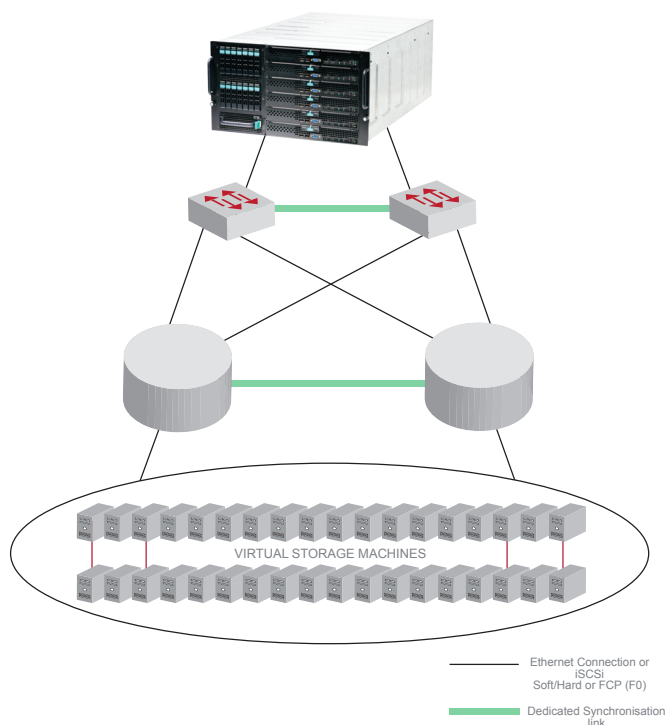
says Philippe Gillet, Technical Director of Virtuali.

### Configuration used:

FlexPower + VMware Virtual Infrastructure

- 1 blade for the domain controller
- 1 blade with VMware VI for Exchange, Sharepoint and web server

1 unique and modular chassis



## The advantages of the FlexvServer server

### Maximum simplicity

All the virtual infrastructure in a single modular system: servers, centralised storage and network.

### Reduced load and costs

Up to 50 virtual machines in a compact 6U chassis. Chassis with low electricity consumption.

### Optimum flexibility

Thanks to its modular and scalable design, blades and storage can be added as required.

### Security and high availability

RAID 5 hard disks and high availability functions of the VMware Virtual Infrastructure, Standard Edition.

### Administration successfully managed

Remote administration and easy maintenance thanks to powerful and intuitive administration tools.

## Successful virtualisation

The objectives were achieved, as a single person controls and administrates all the IT equipment.

By making use of this completely virtualised infrastructure, the academy has become a real model of cost optimisation and modernity for the other national merchant marine academies.

*"ENMM Marseilles is concentrating all of its activities on the solution and is managing the client workstations from this server. The transition was extremely smooth, proven by the fact that the student officers did not notice any change when it was implemented,"*

says Olivier De Amicis, head of the IT Department at ENMM Marseilles.

## New prospects

Now that ENMM Marseilles is satisfied with this 1<sup>st</sup> phase, a 2<sup>nd</sup> stage is planned.

This time, it will be about virtualising the workstations by adding additional blades to the server. Modules available from NEC meet these requirements. These solutions are being carefully investigated.

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