

JAZAN UNIVERSITY

The complex of Jazan University houses separate campuses for males and females, with an overall capacity of 50,000 students and a staff of 2500.

Jazan University offers a broad range of academic departments, an extensive research enterprise and a number of community outreach and public service programs. It is particularly well known for its medical school, dental school, school of business, its social sciences and humanities programs, as well as its biomedical teaching and research capabilities.



AN ALTERNATIVE SOLUTION FOR THE REPLACEMENT OF PC'S, PROVIDING MOBILITY & FLEXIBILITY.

The university campus houses a university hospital, library, hotel, research center, sport and entertainment arenas, student dorms and housing accommodation for faculty and staff. In order to replace a park of aging & traditional desktops with different types of hardware specifications, Jazan University was looking for a more cost effective solution, easily manageable.

The aim

Jazan University was having challenges regarding maintenance of traditional Desktops in Labs. As there is a constant growth of students and faculties going on, there was a requirement for a cost effective but robust IT solution. Currently there are 12 Labs with more than 1000s of students using these 12 Labs.

Jazan University was looking for a secure IT infrastructure as well as mobility and flexibility for the users. To fulfill their expectation, Jazan University decided to implement a Virtualized Desktop architecture.

The solution

Within a timeframe of 4 months testing, NEC's Virtual PC Center (VPCC) was qualified after successful Proof of Concept with ROI Analysis.

EXPECTED BENEFITS

• For the Instructors & Students:

- Continuous Availability of Data any where any time
- Secure Data & Communications
- Hardware Failure Risk Minimized
- Remote learning capability

• For the Administrators

- Hardware Failure Risk Minimized
- Remote Management Made Easy
- Administration Time Cut by Half
- Easier to Manage the day to day tasks

A Turnkey Solution

After a careful and thorough evaluation, Jazan University opted for the NEC Virtual PC Center (VPCC) solution from NEC. The University decided to go for an implementation plan in 4 Phases.

The first phase was completed within Q1 2012 and consisted of a NEC VPCC Solution for approximately 600 Virtual Machines based in 12 Labs of this University.

One of the reasons for choosing the NEC VPCC solution, was the presence of local support by the technical team of NEC's Certified Resellers, Najtech. On top of this local support, Jazan was also reassured by the presence of a local reference site. Last but not least, the NEC VPCC solution was considered as a real "Turnkey Solution", adapted to their situation.

In a second phase, NEC's VPCC Solution is being implemented for 2,000 users (Instructors). The solution consists of the Virtual Desktop Solution based upon NEC's H Series Sigma Blade Environment with M300 Storage & a T60 Tape Library for proper backup solution.

Multiple Benefits

• Less Support required

The well thought architecture of the VPCC solution and the fact there are no moving parts on the terminals, means an easier administration and less support. The move of the OS and applications to the server, implicates that the IT team no longer needs to go physically to the site for updates and maintenance tasks.

• Ease of Deployment for new users

Centralized management and back-up, results in a better performance for the users, the IT team and the complete organization. The entire infrastructure can be controlled from anywhere, and new users easily deployed.

• High Level of Security

Instructors had to face multiple challenges while connecting to their portals. The VPCC solutions gives them the opportunity to access their data anywhere anytime with a high level of security. They can use the thin client installed at the university or connect to their data via a virtual private network (VPN). The absence of any local storage system on the thin client makes it impossible for data to be accessed without authorization.

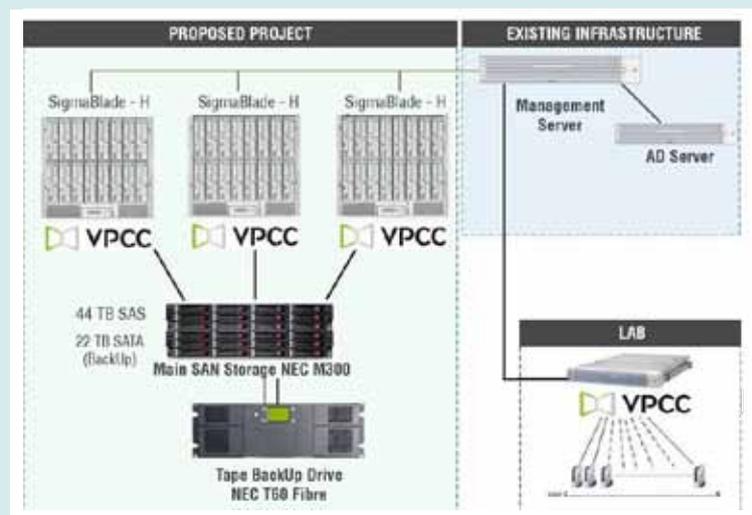
Outlook

As the quality of the service and user satisfaction has increased by 75% after the deployments of the VPCC solution, Jazan University is planning to further proceed with its virtualization project.

"While finding the solution for the next level of data protection and high availability, we found that NEC VPCC is a complete desktop virtualization solution. VPCC creates a user experience so seamless, that it mirrors the use of a localized drive through a centralized computing model of virtual PCs using thin clients, servers and storage. Central management of each Lab PC environment through the use of NEC's VPCC has boosted security, enhanced business continuity, and decreased terminal operation management for our administrators. Infrastructure wise, to me, & my university, NEC VPCC has been a wise decision with respect to a Comprehensive Educational Platform!"

Mohammed Yehyah Aal Salem – Dean of e-learning

Main Data Center



JAZAN UNIVERSITY INSIDE OUT



Jazan University is an accredited public research university of the Kingdom of Saudi Arabia. Established by a royal decree in 2006 by King Abdullah bin Abdul-Aziz, it is one of the largest public institutions of higher education in the Kingdom of Saudi Arabia. Covering an area of 15 million square meters, its main central campus is situated by the Red Sea on the southwest coast of the Kingdom with 6 satellite campuses.

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NEC Corporation

7-1, Shiba 5-chome, Minato-ku, Tokyo, 108-8001 Japan

www.nec.com

For further information please contact your local NEC representative or:

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NEC Enterprise Solutions
www.nec-enterprise.com

North America (USA)

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