RGCI & RC improves quality of diagnosis with VDI solution

Cisco and NVidia's solution deployment makes it possible for doctors to access patient data more efficiently, and improve patient care.

About the customer

The Rajiv Gandhi Cancer Institute & Research Centre (RGCI &RC) is among Asia's premier exclusive cancer centers, that uses cutting edge technology and renowned specialists to cater to the needs of patients from India, and the neighboring SAARC countries. RGCI & RC takes pride to have taken care of over 2 lakh patients since inception in 1996. Spread over nearly 2 lakh square feet area campus, with a current capacity of 300 beds, it is one of the largest tertiary cancer care centers in Asia.

Business Challenge

RGCI & RC used EHR (Electronic Health Reports) and PACS (Picture Archival & Communications System) to access patient data across departments. However, since early deployment, users always complained about delays in medical reports/images being displayed at workstations and also the poor resolution of medical images.

To address the situation, RGCI & RC was looking for an easy deployable solution that could centrally manage and reduce the application latency.

Cisco Solution

The RGCI & RC team shared their concerns with Cisco who roped-in NVidia to do a feasibility study and recommended a Virtual desktop infrastructure (VDI) roll-out using NVidia Grid Computing on Cisco UCS servers to run ACCOPS VDI solution.

Product deployed

- Cisco UCS Servers c240-M4S
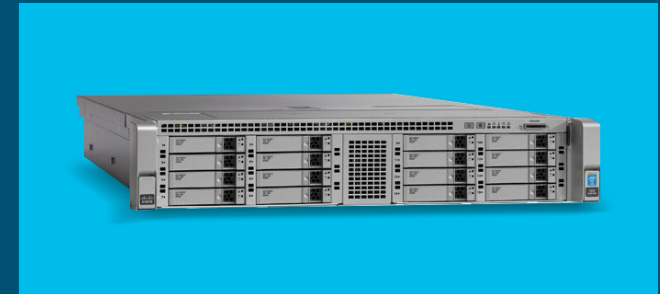- NVidia K1 GPU Cards
- Cisco Catalyst 2960-X

Benefits of the deployment

RGCI & RC deployed a VDI environment for multiple applications like HIS, EMR, PACS on both Windows and Linux operating systems

- Post deployment the number of IT complaints has reduced from 45-50 to just 20-25 calls

- Significant improvement in application roll-out on VDI as compared to earlier

- The IT team is able to centrally monitor user-activity

- 160+ virtual desktop users are able to access patient records/images much quickly and get significantly superior image quality

- Doctors & technicians can now access patient records on i-pads at the bedside as well as on large thin clients in the doctors' cabin improving work efficiency

- The service delivery to patients has improved significantly

"Post deployment of the Cisco VDI, over 160 of the healthcare staff can now access patient records/images quickly and get significantly superior image quality. This is a step forward in improving the quality of diagnosis we provide here."

J. P. Dwivedi,
CIO, Rajiv Gandhi Cancer Institute & Research Centre

Click here to know about Cisco UCS Servers.

Call us on 1800 103 7723 or drop a mail to in_assistant@cisco.com for more information