

Medical City Prioritizes Network Security

King Fahad Medical City in Saudi Arabia secures entire campus infrastructure using Cisco Borderless Networks Architecture.

Customer Name: King Fahad Medical City

Industry: Healthcare

Location: Riyadh, Kingdom of Saudi Arabia

Number of Employees: 5000

Business Impact

- Proactive solution improved operational efficiency
- Ease of use helped save time and money
- Protection enhanced for clinical applications



Case Study

Business Challenge

[King Fahad Medical City](#) (KFMC) is one of the largest independent facilities of its kind in the Middle East, consisting of four hospitals (general, women's, children's, and rehabilitation) and four specialized medical centers (the Prince Sultan Hematology & Oncology Center, the Prince Salman Heart Center, and diabetes and neurosciences centers). KFMC aims to provide the best possible diagnostic, therapeutic, and rehabilitative services, and technology plays an important part in achieving this goal.

When KFMC opened in 2005, the wired and wireless IT infrastructure was mainly based on Cisco solutions, including many of the security systems that are so critical for protecting confidential patient information. One of the top priorities was to prevent the introduction of threats such as viruses, worms, or spyware, which might disrupt critical network services. Equally important was guarding against unauthorized access to the network through the numerous devices being used throughout the seven buildings on the KFMC campus. There are about 4000 such devices, ranging from printers and scanners to medical equipment, and keeping them secure was a potentially difficult task.

Solution and Results

KFMC decided to implement [Cisco® Network Admission Control](#) (NAC) Appliance, a powerful solution that enforces security policy compliance on all devices that attempt to connect to the network. Cisco NAC is part of the [Cisco Borderless Networks Architecture](#), a reliable and scalable infrastructure that transforms healthcare by securely connecting any person or device, anytime and anywhere. The solution recognizes users, their devices, and their roles in the network; evaluates whether machines are authorized; and blocks, isolates, and repairs noncompliant machines.

The proactive capabilities of Cisco NAC enabled the relatively small IT team at KFMC to gain control of 4000 network endpoints immediately, on wired and wireless connections, without having to employ more people. Ease of use and a centralized approach made it possible to implement and manage an access policy for the whole campus, helping ensure high levels of security without excessive investment in people, skills, or time.

"The deployment of Cisco NAC has increased our visibility into, and control of, the network," says Engineer Mohammad Al-Zaydi, KFMC CIO. "This has helped improve our operational efficiency and enhanced our protection of clinical applications."



"The excellent support we received from our Cisco partner helped achieve a successful implementation. And the results speak for themselves: since deploying Cisco NAC, we haven't had any performance issues or problems with incidents relating to network viruses or other threats."

Mohammad Al-Zaydi
KFMC CIO, King Fahad Medical City

For More Information

To find out more about Cisco Borderless Networks Architecture in healthcare, please go [here](#)

More details about Cisco NAC Appliance are available [here](#)