

Shaare Zedek Medical Center revamps data center for continuous operations



Shaare Zedek Medical Center, Jerusalem’s largest and fastest growing multidisciplinary medical center, embarked on a total digital transformation that included a data center overhaul. It used Juniper solutions to ensure the ongoing availability of life-critical systems, uninterrupted patient care, and the robust data analyses needed to guide optimum courses of treatment.

OVERVIEW

Company	Shaare Zedek Medical Center
Industry	Healthcare
Products Used	Juniper Apstra, QFX5120
Region	EMEA

CUSTOMER SUCCESS AT-A-GLANCE

1,000,000+

Patients per year

100 Gbps

Core network requirements to support clinical and administrative applications

Improved

Data center and campus network fabric deployment

Supporting

The largest and fastest growing multidisciplinary medical center in Jerusalem

CHALLENGE

Accelerate digital transformation of healthcare

“Technology sets the vision for the hospital,” says Shimi Ben Baruch, vice president and CTO at Shaare Zedek Medical Center.

Shaare Zedek is a leading research and teaching hospital in Israel, running 30 departments and 70 outpatient clinics that provide innovative treatments and therapies to 1,000,000 patients per year. It is a model for large-scale emergency medicine and a leader in applying AI to patient care.




SOLUTION

Reliable, automated operations

Shaare Zedek Medical Center moved from a legacy Layer 2 data center architecture to a modern EVPN/VXLAN IP fabric, automated through Apstra. Juniper QFX5120 Switches serve as the data center core, delivering 100-Gbps of capacity to support clinical and administrative applications as well as massive research data sets.

The hospital operates around the clock and the data center cannot be shut down for maintenance or upgrades. The IT team used Juniper Apstra intent-based networking software to automate and validate the network design and deployment.


As requirements evolve, IT can use Apstra to implement network changes faster and with change control and validation.


OUTCOME

Enable availability of clinical and administrative applications

With Juniper Apstra software, Shaare Zedek has been able to deploy a new core network fabric faster, maximize data center uptime with network visibility and automation, and streamline network operations.

When problems do arise, they can be resolved more quickly, thanks to Apstra, which continuously self-validates and automatically resolves issues to assure compliance.



“Digital health is transforming patient care at Shaare Zedek. Our data center operations must ensure the continuous availability of our life-critical systems and applications. Juniper provides the foundation of our reliable data center with next-level automation that assures best practices and consistency from initial design to everyday operations.”

Shimi Ben Baruch
Vice President and CTO, Shaare Zedek Medical Center

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