



## SAP Israel

### Enterasys Secure Networks™ Power Demanding Software Development Environment

SAP Israel is part of SAP’s global development organization. Their mission is to develop products that enable customers to achieve their business goals and objectives, and deliver on SAP’s vision, value propositions, and customer commitment.

**Industry:**

High Technology

**Number of Employees:**

450 developers

**Challenge:**

Ensuring high availability, redundancy and security

**Solution:**

Secure Network delivers scalability and security – at the right price

**Benefits:**

- Sophisticated security protects the infrastructure from a range of threats
- Provides support for multiple servers and client-server applications as well as future Voice-over-IP applications
- Offers high-performance switching and routing, high-availability and inherent scalability to meet business demands
- Ensures total security via 802.1X, MAC Authentication, WEB Authentication, and MAC Port Locking; Access Control Lists; SSH v2, Audit Trail Capabilities, and Syslog; and host-based rate limiting

SAP Israel fulfills its mission by empowering people, leveraging local intellectual assets, and fostering a culture of excellence and teamwork.

**The Challenge:****Ensuring high availability, redundancy and security**

With 450 developers responsible for SAP’s Business-One, NetWeaver infrastructure development, Enterprise Portal product lines, RFID smart solutions and other business solutions, the development environment at SAP Israel is fast paced and intense. “We needed a new infrastructure that was equipped to handle an environment in which the network is critical and where the demands placed on it can be extreme. Our existing infrastructure lacked efficient network management, which was critical due to our need to improve the IT SLA to the end user,” explained Gil Bickel, director of IT at SAP Israel. “Our new infrastructure needed to support multiple servers and client-server applications as well as future Voice-over- IP applications. It needed to be highly redundant and available and very secure. In fact, we knew we needed a sophisticated security solution to cope with a variety of threats. Plus, we wanted a solution that was competitively priced.”

While SAP and Enterasys are global technology partners, SAP Israel did not have a direct relationship with Enterasys. In fact, SAP Israel’s existing infrastructure was made up of competitive products. Yet Enterasys was able to propose a solution that met their needs. As Bickel pointed out, “World-class business solutions need world-class communication solutions.”

“Today’s highly effective organizations use their networks—and the mission-critical applications running across them—to provide an edge over their competition. Enterasys and SAP have come together to assist our joint customers with the design and selection of an inherently scalable, reliable, and manageable solution that is capable of providing an optimal network infrastructure for SAP implementation,” Bickel said, “For us, Enterasys was a logical choice.”

**The Solution:****Secure Network delivers scalability and security at the right price**

Today, the SAP Israel infrastructure is powered from the aggregation layer to the core layer with Enterasys solutions. “We were impressed by the solution’s price/performance ratio, as well as with its scalability and security. In addition, the strong alliance between SAP and Enterasys and Enterasys’ commitment to SAP were important factors,” said Bickel. “We also valued the reliability of our local systems integrator, Team Computer Systems. They know SAP very well and played an important part in the process. Team was able to demonstrate the flexibility, agility and professionalism to solve our business challenges.”

The implementation of the new solution was completed much more quickly than expected, with the new equipment installed within a few hours to meet SAP's strict timelines.

In the network's core, two Matrix N3 enterprise switches deliver high-performance switching and routing at 40.5 Mpps aggregate performance, with an aggregate chassis switching capacity of 240 Gbps. High-availability features and inherent scalability also meet SAP Israel's demands. The Matrix N3 also provides the required security, thanks to 802.1X, MAC Authentication, WEB Authentication, and MAC Port Locking; Access Control Lists; SSH v2, Audit Trail Capabilities, and Syslog; and host-based rate limiting. "Assuming that security threats continue at the current level, we anticipate that our Enterasys solution will reduce the daily effort of IT personnel and eliminate at least 500 wasted work days or programming. These figures can be easily quantified to any relevant business cost," Bickel said. "I know we could have dealt much more easily with the SQL Slammer, Nimda and Sasser worms had our Enterasys infrastructure been in place."

In the network's user-aggregation layer, the Matrix N7 seven-slot enterprise switch delivers high-performance switching and routing at 94.5 Mpps aggregate performance, with an aggregate chassis switching capacity of 1.68 Tbps.

At the server farm, 18 Matrix C1 workgroup switches ensure high availability via Layer 2 switching and Layer 3 routing. They are also convergence ready with support for Voice over IP and real-time broadcast/ multicast video to meet SAP Israel's evolving business needs. Importantly, with the Matrix C1, the network is protected at the first point of entry and through network host security features.

"Nearly 90% of our network users are developers who rely on data that includes web content, compilations, client-server applications, and streaming media, so the network's performance and availability are especially important," said Bickel.

"In the future we look forward to taking advantage of the infrastructure's capability to handle VoIP and convergent applications, as well as policy-based networking via multi-user authentication," Bickel added. "This fits well with our corporate strategy to roll out 802.1x and Enterasys' Secure Guest Access solution."

## Contact Us

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or +1-978-684-1000 and visit us on the Web at **[enterasys.com](http://enterasys.com)**