



“Thanks to Fortinet, we profit from the benefits of an integrated and standardised, Managed Total IT security solution—as well as from the strengths of a comprehensive, end-to-end architecture.”

– Martin Strickler,
Head of IT
SCHILLER AG

Schiller AG – All-around IT Security with Fortinet

Seamless Security

The effective protection of data, applications and portals against destructive malware, unauthorized access, and malicious attacks is a multi-faceted endeavour. Success requires the seamless interaction of a complementary suite of security solutions, systems, and policies. In the battle to achieve maximum IT security, Schiller AG relies on the seamless interaction of dedicated security appliances from Fortinet.

For Schiller AG—the leading manufacturer and provider of medical technology solutions for cardiopulmonary diagnostics and therapy—adherence to the highest safety standards is standard operating procedure. Committed to the highest standards in the field of IT security, this med-tech company opted for the 360 degree IT security strategy made possible by the comprehensive product range from Fortinet.

Solutions & Results

The motivation for the full-scale replacement of the IT security infrastructure was the re-design of the company-wide network. As the base security platform, Schiller deployed a FortiGate 800C cluster. The ASIC-accelerated firewalls equipped with 10 Gbps ports provide all necessary defense and security mechanisms. Thanks to the 24/7 hour subscription to FortiGuard service, the firewalls are continually supplied with the latest signatures and are able to detect and protect against even the most recent attacks.

Details

Customer Name: SCHILLER AG
Industry: Medical Technology
HQ Location: Baar/Switzerland, over 30 subsidiaries and 100 other representatives in 16 countries

Business Impact

- Achieved maximum gateway and network security with FortiGate 800C
- Realized comprehensive email security with FortiMail
- Tightened security of the web portals with FortiWeb 400C
- Secured remote access with FortiAuthenticator

In addition to ensuring maximum gateway and network security, the redundant embedded firewalls also permit company-specific zoning. This means that areas such as Development, Sales, Finance, HR, and System Management can be cleanly separated. Also important to Schiller was secure remote access to the corporate network. The FortiGate 800C permits access to the LAN through a secure SSL VPN. Remote workers—either travelling or working from their homes—can securely access network resources as if they were in the office.

Comprehensive Email Security

Schiller has also implemented maximum security levels for their email systems via the integration of the Secure Messaging Appliance FortiMail from Fortinet. FortiMail ensures comprehensive virus and spyware protection and also includes the latest spam detection and filtering techniques. A constantly updated IP reputation database automatically ensures that connection requests from sender IP addresses with a poor reputation are completely rejected. As there is no one hundred percent guarantee that only bad emails are blocked (false negative) and that only good messages are delivered (false positive), FortiMail provides a quarantine feature: All rejected messages are safely stored separately, yet are available to be retrieved by the authorized user.

Secured Web Portals

Schiller installed the FortiWeb 400C to avoid compromising either security or services accessible via the Internet. The platform—integrated as a “reverse proxy”—includes all the security features required for the comprehensive protection of web applications. Furthermore it is designed to fend off white attack methods such as SQL injection, cross site scripting, buffer overflow, and brute force login. The FortiWeb appliance, configured using URL-based policies, ensures that web applications can no longer be crippled, that only authorized persons have access to sensitive information in databases, and that websites cannot be compromised.

Secure User Authentication

To permit selected users secured remote access to the company network via VPN gateway – for example for regular financial reporting of the individual branches or for field employees – Schiller deploys an intelligent login procedure (Strong Authentication) using FortiAuthenticator. This means that a secure user authentication and user authorization can be guaranteed. FortiAuthenticator supports either hardware, mobile, SMS, and email OTP token. At Schiller, the app-based solution FortiToken Mobile is primarily used.

Schiller AG has deployed Fortinet’s seamless suite of security solutions to protect itself from every possible angle of attack.



GLOBAL HEADQUARTERS
Fortinet Inc.
899 Kifer Road
Sunnyvale, CA 94086
United States
Tel: +1.408.235.7700
www.fortinet.com/sales

EMEA SALES OFFICE
905 rue Albert Einstein
Valbonne
06560, Alpes-Maritimes,
France
Tel +33 4 8987 0500

APAC SALES OFFICE
300 Beach Road 20-01
The Concourse
Singapore 199555
Tel: +65.6513.3730

LATIN AMERICA SALES OFFICE
Paseo de la Reforma 412 piso 16
Col. Juarez
C.P. 06600
México D.F.
Tel: 011-52-(55) 5524-8428