



UNIFIED, ADAPTIVE, AND AUTOMATED CYBERSECURITY PROTECTS BANCA DI SAN MARINO

Summary

Company:

Banca di San Marino

Industry:

Financial Services

Business Challenges:

Protect private, corporate, and online banking data from internal and external threats

Technology Solution:

- Juniper Connected Security platform
- Software-Defined Secure Network
- Juniper Sky Advanced Threat Prevention
- Junos Space Security Director with Policy Enforcer
- vSRX Virtual Firewall
- SRX345 Services Gateway
- EX4600 and EX3400 Ethernet Switches

Business Results:

- Safeguarded customer trust and protected core banking systems and online banking
- Leveraged unified, automated approach to protect against threats in real time
- Maintained cybersecurity in accordance with national and international banking standards, including GDPR
- Streamlined network and security operations to free up IT staff for more strategic tasks

Banks around the world are increasingly worried about cybersecurity. Attacks on ATMs are on the rise. Stolen customer data can be used in large-scale fraud and account takeovers. Sophisticated cyber robberies can result in the theft of many millions of Euros. With cyber threats a strategic risk and advanced protection critical to safeguard customer trust, not to mention the nonnegotiable imperative of legislation such as GDPR and MiFID II, Banca di San Marino invested in the Juniper Connected Security platform powered by the Software-Defined Secure Network (SDSN) framework to protect its private and commercial customers' data and its own critical resources.

The Republic of San Marino is an Adriatic idyll—a land of mountaintop castles, rolling hills, wineries, and fortresses. Surrounded by Italy, San Marino is the world's oldest surviving sovereign state. Just 61 square kilometers (24 square miles) and home to 33,000 people, San Marino is also one of the wealthiest countries in the world.

Banca di San Marino offers wealth management and private and corporate banking services. Despite its location in a small nation-state, the bank operates on the same level as other European credit institutions, with solid financials, minimum capital ratios, and strong cybersecurity practices. Banca di San Marino maintains tight controls to protect customers' assets, prevent data loss, and comply with national and international banking requirements at the highest levels.

“Our banking customers don’t directly see the quality of our IT security. However, protecting our business and reputation means we need to continually enhance security with the most effective cybersecurity technology as an added value for our customers and to future-proof our operations. The Juniper solution allows us to maintain the maximum level of confidence for our clients and supports us for our data protection journey.”

- Federico Zanotti, IT Director, Banca di San Marino

Protect Private and Corporate Customers

Federico Zanotti has worked at Banca di San Marino for more than 20 years and has been responsible for IT services since 2003. With cybercrime on the rise, Zanotti needed new solutions that went beyond traditional techniques, which are no longer enough to protect perimeter security and data. He launched a strategic effort to strengthen cybersecurity for the bank.

Strong cybersecurity solutions are essential to protect the bank's operations, safeguarding core banking systems, branches, and online banking. The bank also must protect its other concerns, including Leasing Sammarinese, an equipment leasing company, and BSM Immobiliare, a real-estate sales business, in San Marino. Additionally, it needed to comply with the European Union General Data Protection Regulation (GDPR) as well as MiFID II.

Find and Stop Threats Faster

Banca di San Marino uses the Juniper Connected Security platform to protect against internal and external cyber attacks. Powered by the SDN framework, the Juniper platform leverages the entire network—not just firewalls—as a threat detection and security enforcement domain, automatically and dynamically detecting and responding to threats as a complete ecosystem rather than as a collection of individual components.

Banca di San Marino deployed Juniper Networks® SRX345 Services Gateways and vSRX Virtual Firewalls at the disaster recovery site, all managed by Junos Space® Security Director with Policy Enforcer, with plans to add Juniper Sky™ Advanced Threat Prevention to provide real-time monitoring of Internet traffic to and from its local area network. The SRX345 firewalls provide Banca di San Marino with high-performance security, comprising advanced, integrated threat intelligence, delivered on a scalable and resilient platform. Juniper Networks EX4600 and EX3400 Ethernet Switches, which provide connectivity in the data center and offices, are also part of the active enforcement.

With Juniper's SDN framework, Banca di San Marino has streamlined security operations, enabling it to mitigate threats faster and more efficiently by enforcing a consistent security posture from its data center to its head office and nine branches.

Threat behavior analysis detects hard-to-catch malware that might otherwise have slipped through signature-based defenses. With Juniper Sky ATP, the bank is protected in real time against sophisticated malware, including ransomware, as well as emerging threats like business e-mail compromise. "With Juniper, we have improved our ability to stop zero-day attacks against our customers and colleagues," says Zanotti.

Policy management and enforcement are automated using real-time network and threat data. Policy Enforcer, a component of Security Director, enforces threat remediation and microsegmentation policies on Juniper firewalls, switches, and routers, as well as third-party switches, wireless networks, and cloud infrastructure. "With Juniper's Connected Security platform, we have improved the time-to-resolution when there are incidents," says Zanotti.

Banca di San Marino quickly realized the business value of a unified approach to networking and security. Day-to-day network and security operations are simplified and streamlined. "With Juniper, we have a single workstream to manage network and security," says Zanotti. "A single point of management and control enables our team to be more productive and stop attacks faster when they occur."



Banking on Customer Trust

The Juniper Connected Security platform has made it possible for the bank to uphold its stringent internal controls and national and international requirements to provide trusted banking services to some of the world's most discerning customers.

"Our banking customers don't directly see the quality of our IT security," says Zanotti. "However, protecting our business and reputation means we need to continually enhance security with an effective cybersecurity technology as an added value for our customers and to future-proof our operations. The Juniper solution allows us to maintain the maximum level of confidence for our clients and supports us for our data protection journey."

For More Information

To find out more about Juniper Networks products and solutions, please visit www.juniper.net.

About Juniper Networks

Juniper Networks brings simplicity to networking with products, solutions and services that connect the world. Through engineering innovation, we remove the constraints and complexities of networking in the cloud era to solve the toughest challenges our customers and partners face daily. At Juniper Networks, we believe that the network is a resource for sharing knowledge and human advancement that changes the world. We are committed to imagining groundbreaking ways to deliver automated, scalable and secure networks to move at the speed of business.

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