

SOLUTION BRIEF

Fortinet and beyond SSL Remote Access Solution

Zero Trust Remote Access From Any Device With a Browser

Executive Summary

Fortinet and beyond SSL have partnered to deliver limitless access to desktops and applications from any device with a browser. The combination of SparkView from beyond SSL and the Fortinet FortiGate Next-Generation Firewall (NGFW) offers state-of-the-art security and true bring-your-own-device (BYOD) capabilities at the same time.

Challenges

Where, when, and how people work today has not only changed dramatically since the coronavirus pandemic. On top, there is an increasing demand to use personal devices, like tablets and smartphones, as well as BYOD. Home office and mobile work increased the attack surface for hackers and added new challenges for internal IT and vendors alike. The combination of well-protected perimeters, flexibility, and best possible user experience is the driver for a combination of Fortinet Security Fabric solutions and SparkView.

Joint Solution

beyond SSL and Fortinet have partnered through the Fortinet Fabric-Ready Program in the Fortinet Open Fabric Ecosystem to address the challenges mentioned above. The integration of beyond SSL SparkView and Fortinet FortiGate NGFW extends the capabilities to joint customers and partners in order to deliver security and maximum flexibility for clientless secure remote access from any device with a browser.

With SparkView, software rollouts to client devices or installations on target systems are eliminated. One single point of installation on servers or virtual machines (VMs), behind the FortiGate NGFW, makes configuration and administration easy. While working with browsers only, a lot of functionality is built into SparkView, (e.g., multi-monitor support, local printing, session shadowing, file transfer, and much more.)

Customers can add clientless secure remote access from almost any device to company resources, without changing proven security policies. beyond SSL, with Fortinet, supports a true BYOD strategy that enables customers and partners with secure access for unmanaged devices and offers a unique and seamless experience by securely connecting to Windows, Linux, and applications from iPads, Android tablets, and smartphones. Customers avoid software rollouts, bring their client support to an absolute minimum, quickly react to changing demands, and reduce their client hardware and administrative expenses because of one single point of administration.

Joint Solution Components

Fortinet FortiGate Next-Generation Firewall

Fortinet NGFWs reduce cost and complexity by eliminating point products and consolidating industry-leading security capabilities. These include secure sockets layer (SSL) inspection (including TLS 1.3), web filtering, and intrusion prevention (IPS) to provide full visibility and protection for any edge.

Joint Solution Components

- Fortinet FortiGate Next-Generation Firewall
- beyond SSL SparkView

Joint Solution Benefits

- SparkView seamlessly blends into your Fortinet infrastructure without changing existing security settings or policies
- Clientless secure remote access from any device with a browser
- Support a true BYOD strategy and reduce client hardware costs
- Avoid software rollouts and bring client support to an absolute minimum
- Offer a unique user experience (e.g., access to Windows, Linux, and applications from iPads, Android tablets, and smartphones)



SparkView

SparkView is a clientless remote access solution, based on HTML5 technology, and works for any device with a browser. A software gateway will be installed on-premises or in a data center (supported platforms are Windows and Linux), behind a FortiGate appliance. SparkView is highly scalable and requires very low maintenance.

Joint Solution Integration

Users connect to their FortiGate appliance for authentication and authorization. Once accepted, FortiGate will forward the connection to SparkView for translating the WebSocket-based connection to RDP, VNC, SSH, or Telnet protocol, understood by the target system or application.

There is no need to apply changes to FortiGate security settings and functionality. After the user is granted access to the desktop or applications by FortiGate, the UI will be displayed in the browser window only. No data is transferred between the remote desktop or app and the client device. Thousands of users can be handled with standard VMs or server hardware simultaneously, and user support costs are close to zero.

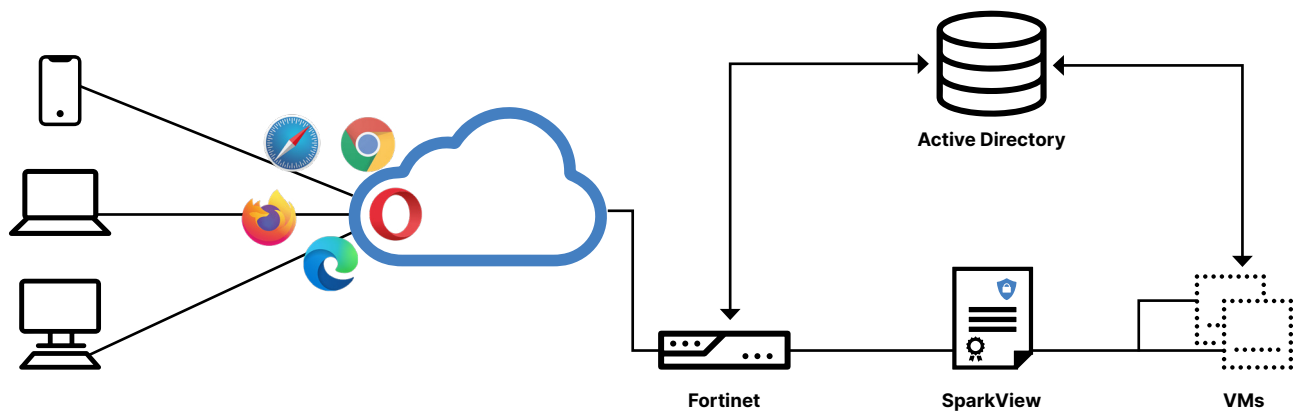


Figure 1: SparkView and Fortinet joint solution integration.

Joint Use Cases

Use Case 1: Highly secured connectivity of any device from the home office, mobile workers, field service

Use Case 2: Remote access for unmanaged BYOD devices from partners, clients

Use Case 3: Ideal solution for education and training for cost-savings purposes (e.g., Chromebooks)

About beyond SSL

At beyond SSL, we focus on clientless remote access to data and applications from any device with a browser, protection from unauthorized access, and efficient sync and share solutions for confidential information (GDPR compliant). Together with Fortinet, we work on Zero Trust Network Access (ZTNA) solutions.