

JUNOS PULSE FOR SAMSUNG GALAXY MOBILE DEVICES

Securely Connect, Protect, and Manage Samsung Android-Based GALAXY Mobile Devices Accessing the Corporate Network and Cloud

Challenge

Samsung offers a broad range of mobile devices globally, and organizations have users who want to use their personal Samsung GALAXY mobile devices for work, as well as for their personal needs. It is essential that IT departments can secure these mobile devices.

Solution

Juniper Networks Junos Pulse and its Junos Pulse Mobile Security Suite deliver secure, mobile remote access, comprehensive mobile device security, and device and application management, enabling organizations to comfortably deploy and secure personal or corporate-issued Samsung GALAXY mobile devices.

Benefits

- Fast, secure connectivity via SSL VPN remote access and differentiated security posture-based access
- Advanced, heuristics-based mobile antimalware
- Mobile device and application management, including loss and theft protection, and backup and restore
- Automatic removal of malicious applications, and administrative revocation of unwanted applications without requiring user intervention (unique to Samsung GALAXY)

In today's world, mobile devices and their applications are ubiquitous for personal and corporate use. Mobile device users around the globe simply expect to connect from any device to any location at any time. Many of these mobile users will be using GALAXY Android-based mobile devices from Samsung, one of the world's leading mobile device manufacturers. Whether a Samsung GALAXY mobile device is corporate-issued or personally owned, organizations must be ready to allow Samsung mobile device owners access to the corporate network, private or public clouds, and their resources. And, this needs to be done safely and securely while protecting against unauthorized access, malware exploits, and device loss and theft.

As a result, the need to secure mobility today is greater than ever, as are the challenges posed by this ubiquitous technology. As smartphones and tablets such as Samsung GALAXY Android-based devices become requirements in everyday personal and business life, the need for these devices to access critical, sensitive data stored on enterprise networks, or in public or private clouds, continues to grow rapidly. And with this growth comes challenges. How can an organization be assured that an unmanaged, personal Samsung GALAXY mobile device—or for that matter even a corporate-issued, managed mobile device being used personally—is securely accessing the enterprise network and its resources while mobile? And how can that organization ensure that these devices remain free of malware and other threats or exploits, and the data stored on and accessed by these devices is secure?

The Challenge

Many enterprises are adopting a "Bring Your Own Device" policy, allowing employees and other authorized users such as contractors or partners to use their own personal mobile devices to access the corporate network, public or private clouds, and sensitive corporate information. This certainly includes the broad range of Samsung GALAXY devices, which are some of the most widely sold and used mobile devices on the market.

However, there are numerous challenges that mobile devices—both personal and corporate-issued—bring with them and these are on the rise. Organizations have to support telecommuters, remote workers, and mobile workers across an increasingly global mobile work environment. They must allow and enable fast, secure network access for their mobile users to be productive. In addition, they need to securely connect, protect, and manage the latest mobile devices being used to access their networks, clouds, and valuable resources.

Plus, mobile threats are increasing fast—in number, complexity, sophistication, and intelligence. Today's organization must protect against threats facing mobile devices and their users which range from loss and theft concerns, to increasingly common malware, to data communications hacks, as well as other attacks and incursions targeted towards mobile devices, their users, the organizations allowing them network and information access and, most of all, sensitive personal and corporate data.

The Juniper Networks Junos Pulse for Samsung Solution

Juniper Networks® Junos® Pulse on Samsung Android-based GALAXY mobile devices delivers a simple to use and comprehensive solution. This end-to-end solution offered by Samsung and Juniper Networks is comprised of role-based, secure, mobile remote SSL VPN-based access control, mobile device security and management, and application control. It is the only solution your organization needs to secure your enterprise-wide mobile device deployment of Samsung GALAXY devices. The Samsung devices supported by Junos Pulse are GALAXY Tab Plus, GALAXY Tab 7.7, GALAXY Tab 10.1, GALAXY Tab 8.9, GALAXY Note, and GALAXY S II.

Samsung enterprise-ready devices are configured specifically with corporate use in mind. They meet rigorous security criteria and have integrated unique, secure Junos Pulse and Junos Pulse Mobile Security Suite functionality. Samsung GALAXY devices running Junos Pulse are also equipped with enhanced features that maximize efficiency and productivity through support for full Layer 3 VPN connectivity (with Juniper’s SSL VPN gateways, including Juniper Networks MAG Series Junos Pulse Gateways), the ability to administratively revoke unauthorized applications or detected malware without user intervention, and even the ability

to lock down the device’s USB port if the device has been remotely locked - useful if the device has been lost or stolen.

Junos Pulse for Samsung devices is distributed via the Samsung Apps market (samsungapps.com), and can also be found in the native Android Market for fast, easy download and deployment. The following Junos Pulse applications are currently available worldwide:

- **Junos Pulse for Samsung.** This application provides full VPN-based secure, mobile remote access via Juniper’s SSL VPN gateways and virtual appliances for Samsung GALAXY Android devices, as well as serving as the client for mobile security and device management features with the licensed Junos Pulse Mobile Security Suite.
- **Junos Pulse for GALAXY Tab 7.0.** This application provides full VPN connectivity via Juniper Networks’ SSL VPN gateways and virtual appliances on Android-based Samsung GALAXY S and Tab 7.0 mobile devices, in addition to serving as the interface for mobile security and device management features with the licensed Junos Pulse Mobile Security Suite.

Features and Benefits

The unique features, functionality, and benefits delivered by Junos Pulse for Samsung GALAXY Android devices include the following.

Table 1: Junos Pulse for Samsung GALAXY Android Devices—Features and Benefits

Features	Benefit
Secure SSL VPN connectivity	Junos Pulse, in combination with Juniper’s SSL VPN gateways and appliances both physical and virtual, delivers full mobile, remote access and network connectivity for Samsung GALAXY devices and users with granular, role-based access control. Junos Pulse delivers corporate applications to the Android devices via UDP-based Encapsulating Security Payload (ESP) transport mode, or TCP-based SSL transport mode.
Proactive malware removal	Junos Pulse protects Samsung GALAXY mobile devices from mobile spyware, trojans, and other malware that can steal, corrupt, or access personal or corporate data, by proactively removing them from the device as soon as they are detected. Junos Pulse for Samsung GALAXY devices is the only anti-malware software in the industry that uses advanced heuristics-based logic to detect and to then automatically remove found mobile malware.
Enhanced lock	Junos Pulse ensures greater security by disabling the USB port when a Samsung GALAXY device receives the lock command. This prevents a malicious user from attempting to connect to a PC to pull data off of a lost or stolen Samsung GALAXY device.



Figure 1: Samsung GALAXY Note mobile devices using Junos Pulse

Solution Components

Junos Pulse is a multiservice software platform that may be deployed independently with Juniper's SSL VPN features and gateways, the Junos Pulse Mobile Security Suite, or both simultaneously. Junos Pulse for Samsung can establish a secure, encrypted tunnel connecting to Juniper's SSL VPN gateways. It can also separately register the same Samsung mobile device for the hosted, cloud-based Software-as-a-Service (SaaS) Junos Pulse Mobile Security Suite, ensuring and enforcing consistent mobile device security and management as configured by administrators. Support for SSL VPN capabilities are available through the Junos Pulse enablement/client app, downloadable free of charge from the Samsung Apps (samsungapps.com) or Google's Android Market. The Junos Pulse Mobile Security Suite must be enabled with a license procured from Juniper.

Summary—Juniper Networks Junos Pulse Connects, Protects, and Manages Samsung GALAXY Mobile Devices

Junos Pulse for Samsung GALAXY mobile devices delivers secure, mobile remote corporate network, cloud and application connectivity via SSL VPN, on-device mobile security, and mobile device and application management—all enabled through a single, simplified interface. Junos Pulse allows organizations to grant authorized mobile device users access to the corporate network, private or public clouds, and their critical resources, doing so safely and securely while protecting against unauthorized access, malware exploits, and device loss and theft.

Next Steps

For more information about Juniper Networks Junos Pulse for Samsung GALAXY, please refer to the Samsung Enterprise Mobility website at www.samsungmobileb2b.com/solutions/common/security/mdm.do?tab=2; and please contact your Juniper Networks representative or authorized partner.

About Juniper Networks

Juniper Networks is in the business of network innovation. From devices to data centers, from consumers to cloud providers, Juniper Networks delivers the software, silicon and systems that transform the experience and economics of networking. The company serves customers and partners worldwide. Additional information can be found at www.juniper.net.

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