

Junos Pulse Supported Mobile Platforms

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Introduction

Junos Pulse is a dynamic, integrated network client. A core component of Junos Platform, Junos Pulse delivers integrated, anytime/anywhere connectivity, acceleration, and security, while drastically simplifying user experience. With Junos Pulse, users no longer need to interact with network access and security software.

Definitions

Qualified Platform

The platforms listed in the “qualified” category have been systematically tested by Juniper Networks Quality Assurance department as part of the release covered by the Supported Platforms document.

Compatible Platform

The platforms listed in the “compatible” category have not been systematically tested by our QA department in this release but are based on testing in previous releases and knowledge of the platform Juniper Networks expects that the functionality will work and will fully support these platforms.

Related Documents

- Secure Access Supported Platform Guide (7.1)
- Junos Pulse Supported Platforms Guide (2.0)
- Junos Pulse Migration Guide
- Junos Pulse Administration Guide
- Junos Pulse Mobile Security Gateway Administration Guide

1. What’s New

- Announcing Pulse 2.0R1 for Symbian Platform
- Pulse 3.0R1 for iOS supports MDM.
- Pulse 3.0R1 for Android supports VPN for selected mobile device vendors, malware detection and app removal.

2. Pulse Versions

This table calls out the latest version of Pulse for various mobile platforms. It should be noted that different platforms will have different feature and version upgrade cycles.

Client Platforms	Pulse Version
iOS	3.0.3
Android	3.0.3
Windows Mobile	2.0.1

Client Platforms	Pulse Version
Blackberry	3.0.3
Symbian	2.0R1

Table 1 Pulse Version for each Device Platform

3. Client Support Matrix

The following table captures the mobile platforms and corresponding versions on which the Pulse software from Table 1 were qualified. Only the latest version of Pulse is qualified against various device platforms.

Platform	Qualified		Compatible	
	Version	Devices	Version	Devices
iOS	5.0, 4.3.5	iPhone 3GS,4 and 4S iPad1, iPad2	4.3.x,4.2.x	iPhone 3G, iPod Touch (3 rd and 4 th Generation)
Android	2.3.3, 3.0, 3.1	HTC Thunderbolt, Samsung Galaxy S, S2, 10" Tablet, Galaxy Note Google Nexus (S), HTC Incredible S710	2.3.5,2.3.4,2.2,2 .1	Various
Windows Mobile	6.5	HTC HD2	6.0, 6.1	All supported devices with the following caveat, "Junos Pulse does not support devices with square screens or on any screens whose width is bigger than their height (when the device is in portrait orientation). The User Interface is not rendered properly and the user experience may not be optimal."
Blackberry	v6.0.0.246	Torch, Bold, Curve	v5.0,7.0, 7.1	Bold 9790
Symbian	5 th Edition Symbian^3	Nokia Xpress Music 5800, N97. Nokia C6	None	-

Table 2 - Device Platform Support Matrix

4. Server Support Matrix

Junos Pulse interoperates with a variety of Juniper server devices like the Secure Access and Mobile Security Gateway.

Platform	Secure Access		Mobile Security Gateway	
	Qualified	Compatible	Qualified	Compatible
iOS	7.1R3	6.5Rx, 7.0Rx	MSG3.0R2	MSG2.1Rx

Platform	Secure Access		Mobile Security Gateway	
Android	7.1R4	7.0Rx, 7.1Rx	MSG3.0R3	MSG2.1Rx, MSG3.0R2
Windows Mobile	7.1R1	7.0Rx	MSG3.0R3	MSG2.1Rx, MSG3.0R2
Blackberry		X ⁺	MSG3.0R3	MSG2.1Rx
Symbian	X	-	MSG3.0R3	MSG3.0R2

Table 3 - Interoperability Matrix

5. Feature Support Matrix

Feature	iOS	Android	BlackBerry	Windows Mobile	Symbian
Intranet Access (Rewriter)	X	X	X	X	X
Enterprise VPN	X	See Appendix 1	X ⁺	X	X
Enterprise Web Portal	X	X		X	X
VPN Strong Authentication (PKI or 2FA)	X	X		X	X
Enterprise Device Mgmt.	X		X		
Device Auto registration	X	X	X		
Virusguard		X	X	X	X
GPS Location/Tracking	X	X	X	X	X
Monitoring & Control	X	X	X	X	X
Firewall				X	X
Backup/Restore		X	X	X	X
Alarm Off		X	X	X	X
Alarm On		X	X	X	X
Disable Virusguard		N/A	X	X	X
Enable Virusguard		N/A	X	X	X
Scan Card		X	X	X	X
Scan Handset		X	X	X	X
Malware with Nag		X	X	X	X
Malware Removal		See Appendix 1			
GPS Theft Off		X	X	X	X
GPS Theft On		X	X	X	X
Handset GPS Location	X	X	X	X	X
Require Passcode	X				
Handset Lock	X	X	X	X	X
Handset UnLock	Clear Passcode	X	X	X	X
Provision VPN	X				
Provision Wi-Fi	X				
Restrictions (ex. no Camera, Youtube)	X				
Require Passcode	X				
Application Inventory	X	X	X	X	X
Remove Application	X		X	X	X

Feature	iOS	Android	BlackBerry	Windows Mobile	Symbian
Remove Security Shield			X	X	
Handset Backup		X	X	X	X
Restore Personal Data		X	X	X	X
Send App Log		X	X	X	X
Send Contact Log		X	X	X	X
Send Logs		X	X	X	X
Send RealTime Log		X	X	X	X
Update Firewall Policy				X	X
Update PointGuard Policy			X	X	X
Update Profile	X	X	X	X	X
Update Virus Definitions Enhanced Device Lock and Wipe (MDM Lock)		X X	X	X	X

Note: For non-qualified mobile platforms, customers may need to provide Juniper with an activated device if the issue is not reproducible on any of the qualified platform

* Blackberry platforms support IKEv2 VPN when used against a Pulse SA or Junos SRX Gateway. From the support standpoint, they should be considered a "Compatible" platform.

Appendix 1 - Vendor Specific Features

Junos Pulse supports additional enhanced features for certain Android vendors via a special API. The following facts apply -

- Manufacturer provides a special API that allows this additional functionality to be enabled.
- Typically these enhanced clients are available from the vendor app stores as opposed to the generic Android marketplace.
- There are country and carrier specific variations on whether these features will be enabled on smart devices (phones, tablets etc.). Specific details are mentioned below.

a. Vendor: Samsung

Enhanced Features:

In order to get these features working, one needs to install the Samsung-specific Pulse build (i.e. signed by Samsung) on a Samsung smart device. These features will not work otherwise.

- Enterprise (Layer 3) VPN
- Malicious Application detection and removal (a.k.a App Revocation) (only specific devices marked with **)

Availability: Samsung Marketplace (<http://www.samsungapps.com>)

Android Version: 2.3.3 and above.

Junos Pulse Version: Junos Pulse for Samsung and Junos Pulse for Galaxy Tab version 3.0.3

Supported Devices:

Samsung Android Device	Junos Pulse MSS Support	Junos Pulse VPN Support
Galaxy Tab 10.1	* Yes * US Verizon Model needs TouchWiz Update	
Galaxy Tab 8.9	Yes	Yes
Galaxy Tab Wi-Fi 10.1	No	Yes
Galaxy Tab Wi-Fi 8.9	No	Yes
Galaxy Tab 7.0	* Not Supported on US Sprint, AT&T & T-Mobile models * Needs upgrade to Gingerbread for all others	

Galaxy Note	Yes	Yes
Galaxy S	* Not Supported on US Verizon & China models * Needs upgrade to Gingerbread for all others	
Galaxy S Super Clear LCD	* Not Supported on China models	
Galaxy S2	Yes	Yes
Galaxy S2 LTE	Yes	Yes
Galaxy R	Yes	Yes
Galaxy W	Yes	Yes
Galaxy Ace	* Not Supported on China & US models * Needs upgrade to Gingerbread for all others	
Galaxy Pro	Needs Upgrade to GingerBread	
Galaxy Y Pro	Yes	Yes
Galaxy Tab Wi-Fi 7.0	No	Needs upgrade to Gingerbread
Illusion	Yes	Yes
Stratosphere	Yes	Yes
Infuse 4G	Needs Upgrade to GingerBread	
Captivate Glide	Yes	Yes
Galaxy S II Skyrocket	Yes	Yes
Galaxy Tab 7.0 Plus	Yes	Yes
i777**	Yes	Yes

It is near impossible to keep the various devices, android software version, vendors and country specific features current with this table. Although all the Samsung devices ship with the API, Samsung constrains the functionality on certain platforms by the platform (vendor) key that will not recognize the Juniper signing key. Thus as a rule of thumb, if Junos Pulse can be installed on a given Android device, the enhanced functionality will be available.

b. Vendor: Lenovo

Enhanced Features: Enterprise (Layer 3) VPN.

Availability: Lenovo Marketplace (<http://www.mobihand.com/product.asp?id=739637&n=Junos-Pulse>)

Android Version: 3.1

Junos Pulse Version: 3.0.3

Supported Devices:

Lenovo Thinkpad

Ideapad K1

c. Vendor: KDDI Pantech

Enhanced Features: Enterprise (Layer 3) VPN

Android Version: 2.3.3 and above

Junos Pulse Version: 3.0.3

Supported Devices: EIS01PT

d. Vendor: Motorola

Enhanced Features: Enterprise (Layer 3) VPN

Android Version: See details below.

Junos Pulse Version: 3.0.3

Supported Devices:

Droid RAZR and Droid RAZR Maxx (Gingerbread and ICS)

Droid4 (Gingerbread)

Xyboard tablet (ICS)

RAZR UMTS (ICS)