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**Platform Guide**

# **Junos Pulse Supported Platforms**

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Release 1.0



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June 14, 2010

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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 (7.0)
- Infranet Controller Supported Platform Guide (4.0)
- Junos Pulse Migration Guide
- Junos Pulse Administration Guide

## Hardware Requirements

Junos Pulse client will run on any client endpoint that has the following minimum configuration.

|               |   |
|---------------|---|
| CPU           | Intel / AMD, 1.8GHz, 32-bit (x86) or 64-bit (x64) processor |
| System Memory | 1 GB RAM  |
| Disk Space    | Install: 25 MB<br>Logging: 50 MB                            |
| Networking    | 10/100/1000 Wired Ethernet, 802.11 b/g/n Wi-Fi              |

## Server Compatibility Matrix

### Hardware Support

Junos Pulse can establish sessions against the following server hardware. Specific software constraints on the servers are detailed in the Server Software Compatibility Matrix.

| Qualified                         |   |                         |           |
|-----------------------------------|---|-------------------------|-----------|
| Secure Access Series <sup>1</sup> | Infranet Controller Series <sup>1</sup> | SRX Series <sup>2</sup> | WX Series |
| SA6000                            | IC6500                                  | SRX 210                 | WX3400    |
| SA6500                            | IC6000                                  | SRX 240                 |           |
| SA4500                            |   |                         |           |
| Compatible                        |   |                         |           |
| Secure Access Series              | Infranet Controller Series              | SRX Series              | WX Series |
| SA700/SA750                       | IC4000                                  | SRX 100                 | WX2600    |
| SA2000/SA2500                     | IC4500                                  | SRX 650                 | WXC590    |
| SA4000                            | IC6000                                  |                         | WXC3400   |
| SA Virtual Appliance              |   |                         |           |

<sup>1</sup> FIPS platforms in the SA and IC Series are not supported since Junos Pulse does not incorporate FIPS functionality

<sup>2</sup> Technically the Junos Pulse client will work with any SRX platform that runs the supported Junos software. However the L3 VPN support is limited to the platforms mentioned here.

### Server OS Compatibility Matrix

| Product             | Qualified                   | Compatible             |
|---------------------|-----------------------------|------------------------|
| Secure Access       | IVE 7.0R1                   | None                   |
| Infranet Controller | C4.0R1                      | None                   |
| SRX                 | JUNOS 10.0, 10.1,10.2, 10.3 | 9.5,9.6,10.0,10.1,10.2 |
| WX                  | JWOS 6.1                    | None                   |

## Client Compatibility Matrix

### Qualified platforms

| Platform | Operating System            | Browsers and Java Environment         |
|----------|-----------------------------|---------------------------------------|
| Windows  | XP Professional SP3 32-bit  | Internet Explorer 7.0, 8.0            |
|          | Vista Enterprise SP2 32-bit | Firefox 3.0, Firefox 3.5, Firefox 3.6 |
|          | Windows 7 Enterprise 64-bit | Sun JRE 1.6 Update 19                 |

### Compatible platforms

| Platform             | Operating System  | Browsers and Java Environment  |
|----------------------|---|--|
| Windows <sup>3</sup> | Vista Ultimate/Business/Home-Basic/Home-Premium with Service Pack 2 on 32-bit or 64-bit platforms   | Internet Explorer 8.0 <sup>4</sup><br>Internet Explorer 7.0 <sup>4</sup> |
|                      | Vista Ultimate/Business/Home-Basic/Home-Premium with Service Pack 1 on 32-bit and 64-bit platforms. | Firefox 3.0<br>Firefox 3.5<br>Firefox 3.6                                |
|                      | Windows 7 Ultimate/Professional/Home Basic/Home Premium on 32-bit or 64-bit platforms               | Sun JRE 1.6 Update 12  |
|                      | XP Home with SP3 (32-bit only)  |  |

<sup>3</sup> Junos Pulse is not supported on Windows Server platforms and on Macintosh or Linux Platforms.

<sup>4</sup> 64-bit Browsers are not supported since the installer service does not support 64-bit ActiveX controls.

### Multiple Language Support

The Junos Pulse client software and online help has been localized in German, French, Japanese, Traditional Chinese, Simplified Chinese, Spanish, and Korean. The administrator user interface is supported in English only. The administrator guide is published in English and Japanese.

## Adaptive Delivery for Juniper Client Applications

In cases where ActiveX is disabled or is not available due to platform or privilege limitations, the client application is installed using Java. Adaptive delivery is available for Junos Pulse (including other legacy clients like WSAM, Network Connect, Windows Terminal Services, and Secure Meeting).

Sun JRE 1.6 Update 12 or greater must be installed on the client system to utilize adaptive Delivery for Juniper client applications.

### Junos Pulse deployed as Host Checker Policy

Junos Pulse client may also be deployed as a remediation host checker policy. This channel is only supported for standalone Junos Pulse Application Acceleration service working in conjunction with pre-7.0 Network Connect clients. It is meant to provide a transition path for customers using the standalone WX client (now discontinued).

| Qualified   | Compatible  |
|---|---|
| SA6500 running 6.5R2 on <ul style="list-style-type: none"> <li>Windows XP-SP3 Professional– 32-bit</li> <li>Windows Vista SP2 Enterprise – 32-bit</li> <li>Windows 7 Enterprise – 64-bit</li> </ul> | Any SA device running 6.3, 6.4, 6.5, 7.0 on <ul style="list-style-type: none"> <li>Windows XP-SP3 Home</li> <li>Vista-SP2 Home Basic, Home, Professional, Ultimate</li> <li>Windows 7 – Home, Home Basic, Ultimate</li> </ul> |
| SA6500 with IVE version 7.0R1 on <ul style="list-style-type: none"> <li>Windows XP-SP3 Professional</li> <li>Windows Vista – SP2 Enterprise</li> <li>Windows 7 Enterprise.</li> </ul>               |   |

## Junos Pulse Access Methods – Supported Matrix

Junos Pulse provides 4 different basic access methods (NC,UAC,FWAM and WX). Additionally in some cases it supports multiple connections of the same type, connectivity at L2/L3 over wired/wireless, with and without enforcement or acceleration. As such the universe of possible combinations of connections is vast. Following table lists the configurations that are supported and qualified by QA.

PNC → Junos Pulse NC Access Method, PUAC → Junos Pulse UAC Access Method, FWAM → Junos Pulse Firewall Access Method for connecting to JUNOS SRX platforms a.k.a Dynamic VPN , WX→ Junos Pulse WX Access Method.

| Configuration                              | Description  | Comments   |
|--|--|------------|
| PNC Outer tunnel, PUAC inner tunnel        | Junos Pulse L3 UAC enforcement over Junos Pulse NC remote access tunnel  | Qualified  |
| WX+PUAC inner tunnel , PNC Outer Tunnel    | Application accelerated connection controlled by UAC enforcement point, coming over a Junos Pulse NC Remote access tunnel  | Qualified  |
| PUAC inner tunnel, PNC outer tunnel + FWAM | Junos Pulse L3 UAC enforcement over Junos Pulse NC remote access to an SA device, running in parallel with FWAM IPSEC connection to another SRX device.  | Compatible |
| PUAC (L2/L3) + PUAC(L3)                    | Junos Pulse L2 or L3 UAC enforcement to an Infranet Controller, running in parallel with a Junos Pulse L3 UAC enforcement tunnel to another Infranet controller (i.e. multiple standalone UAC connections) | Qualified  |
| PUAC + FWAM                                | Junos Pulse UAC enforcement tunnel to one SRX device running in parallel with FWAM IPSEC connection to another SRX device.   | Compatible |

Any other combinations not mentioned here are not supported. Nested tunnel operations in any combination (NC/NC, UAC/UAC or FWAM/FWAM) are not supported

## Interoperability

Install Coexistence: Both products can be installed on the same machine at the same time. ONLY 1 product is active at any time.

Runtime Coexistence: Both products can be installed and running at the same time.

### Juniper Client Interoperability

| Product                                     | Version                  | Co-existence                            | Nested Tunnel Operation |
|---|--------------------------|---|-------------------------|
| Juniper Network Connect                     | 6.3, 6.4, 6.5, 7.0       | Install                                 | Not Supported           |
| Juniper Odyssey Access Client (OAC)         | 5.2 (or UAC 4.0)         | Install                                 | Not Supported           |
| Juniper Odyssey Access Client               | Pre-5.2 (or UAC pre-4.0) | Not supported (installation will abort) | Not Supported           |
| Juniper WSAM/JSAM                           | Any                      | Install                                 | Not Supported           |
| Juniper Secure Meeting Client               | Any                      | Install                                 | Not Applicable          |
| Juniper (Netscreen) NSRemote Client         | Any                      | Install                                 | Not Supported           |
| Juniper Access Manager (Dynamic VPN Client) | 1.0                      | Not Supported (installation will abort) | Not Supported           |
| Juniper Standalone WXC client               | Any                      | Not Supported                           | Not Supported           |

### 3rd Party Client Interoperability

| Product  | Version   | Coexistence | Nested Tunnel Operation |
|--|---|-------------|-------------------------|
| Cisco VPN Concentrator with Junos Pulse (non-WX)       | 4.1.7 D<br>IPSec Version 4.6.04.0043                | Install     | Not applicable          |
| Nortel Contivity Server 1010 with Junos Pulse (non-WX) | Server: V04_80.124<br>Client: V06.0109              | Install     | Not applicable          |
| Cisco ASA 5505 with Junos Pulse (non-WX)               | Server Version 7.2(4)<br>Client Version 4.6.04.0043 | Install     | Not applicable          |
| Cisco VPN Concentrator with Junos Pulse (using only    | 4.1.7 D<br>IPSec Version                            | Runtime     | Supported               |

| Product   | Version   | Coexistence              | Nested Tunnel Operation |
|---|---|--------------------------|-------------------------|
| WXAM)   | 4.6.04.0043   |                          |                         |
| Nortel Contivity Server 1010 with Junos Pulse (using only WXAM) | Server: V04_80.124<br>Client: V06.0109              | Runtime                  | Supported               |
| Cisco ASA 5505 with Junos Pulse (using only WXAM)               | Server Version 7.2(4)<br>Client Version 4.6.04.0043 | Runtime                  | Supported               |
| Checkpoint CP Secure Remote                                     | NGX_R60_HFA3  | Not Supported (PR522200) | Not Applicable          |

## Junos Pulse Mobile

| Qualified                       |                     | Compatible   |
|---------------------------------|---------------------|--|
| Platform                        | Make/Model          |  |
| Windows Mobile 6.5              | HTC HD2             | Windows Mobile 6.0 Standard, Classic and Professional        |
| Windows Mobile 6.1.4            | HTC Touch           | Windows Mobile 6.1 Standard, Classic and Professional        |
| Windows Mobile 6.0 Standard     | Motorola Q8         | Windows Mobile 5.0 based Pocket PC and Pocket PC Phones only |
| Windows Mobile 6.0 Professional | Glofish Eten X500+  |  |
|                                 |                     |  |
| iPhone (iOS4)                   | iPhone 3GS, iPhone4 | iPhone 3G, iPod Touch capable of running iOS4                |

## Junos Pulse Mobile with Host Checker

| Qualified            |            | Compatible  |
|----------------------|------------|---|
| Platform             | Make/Model |   |
| Windows Mobile 6.5   | HTC HD2    | Windows Mobile 6.0 Standard, Classic and Professional |
| Windows Mobile 6.1.4 | HTC Touch  | Windows Mobile 6.1 Standard, Classic and Professional |



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| Qualified                       |                    | Compatible   |
|---------------------------------|--------------------|--|
| Windows Mobile 6.0 Standard     | Motorola Q8        | Windows Mobile 5.0 based Pocket PC and Pocket PC Phones only |
| Windows Mobile 6.0 Professional | Glofish Eten X500+ |  |

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 platforms. WSAM supports TCP-based, client-initiated applications only