

Platform Guide

SA Supported Platforms

Service Package Version 6.3



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February 01, 2009

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Introduction

The SA Platform uses Web and security technologies, giving users ubiquitous remote access to corporate resources using a Web browser. This document describes the platforms (operating system/browser combinations) that have been qualified for use with the SA.

SA Hardware Requirements

Service Package Version 6.3 is supported on the following SA platforms:

Juniper Networks Secure Access 700

Juniper Networks Secure Access 2000

Juniper Networks Secure Access 2500

Juniper Networks Secure Access 4000

Juniper Networks Secure Access 4000-FIPS

Juniper Networks Secure Access 4500

Juniper Networks Secure Access 6000

Juniper Networks Secure Access 6000-FIPS

Juniper Networks Secure Access 6000 Service Provider

Juniper Networks Secure Access 6500

Functionality Tested

The SA Platform supports the following functionalities.

- Web browsing for HTML/JavaScript content
- File browsing
- Client-side Java applets, including Citrix, Hob, VNC, and WRQ
- Secure Terminal Access, including Telnet and SSH
- Secure Application Manager (W-SAM and J-SAM), which provides support for client/server applications such as Citrix, Microsoft Terminal Services, Microsoft Exchange MAPI, and Lotus Notes
- Network Connect, enables secure network access into defined enterprise resources.
- Secure Meeting, enables cross-platform secure on-line meetings.
- Host Checker, evaluates the endpoint for a broad range of security constraints, and appropriately enforces dynamic access policies before and during the authenticated session.
- Cache Cleaner, ensures that all residuals left behind during an authenticated SA session will be cleaned up periodically during and after the authenticated SA session.
- Terminal Services, enables a terminal emulation session on a Windows server or a Citrix Presentation Server.
- Mobile Devices

Platform Support

Juniper Networks tests the aforementioned functionalities of the SA Platform on most widely used corporate and consumer platforms to qualify each platform as either qualified or compatible.

The platforms in this list are divided into two categories: compatible and qualified. The complete list of platforms/browsers in the document is supported. If problems are encountered on either a qualified or a compatible platform then Juniper support will attempt to resolve the issue.

Qualified Platform

The platforms listed in the “qualified” category have been systematically tested by QA 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 based on testing in previous releases and knowledge of the platform Juniper expects that the functionality will work and will fully support these platforms.

Multiple Language Support

All the end-user functionality has been localized in German, French, Japanese, Traditional Chinese, Simplified Chinese, Spanish, and Korean. The administrator user interface is supported in English only.

Web and File Browsing

Qualified platforms:

| Platform | Operating System : list of browsers and Java Environment |
|----------|--|
| Windows | <ul style="list-style-type: none"> XP Professional SP2 32 bit: Internet Explorer 6.0, Internet Explorer 7.0 and Firefox 2.0.Sun JRE 6 Vista Enterprise 32 bit: Internet Explorer 7.0 and Firefox 2.0.Sun JRE 6 Vista Enterprise 64 bit: Internet Explorer 7.0 and Firefox 2.0.Sun JRE 6 Vista Enterprise SP1 32 bit: Internet Explorer 7.0 and Firefox 2.0.Sun JRE 6 Vista Enterprise SP1 64 bit: Internet Explorer 7.0 and Firefox 2.0.Sun JRE 6 |
| Mac | <ul style="list-style-type: none"> Mac OS X 10.5.0, 32 bit and 64 bit: Safari 3.0 Sun JRE 6 Mac OS X 10.4.3, 32 bit only: Safari 2.0. Sun JRE 5 Mac OS X 10.3.2, 32 bit only: Safari 1.1. Sun JRE 5 |
| Linux | <ul style="list-style-type: none"> OpenSuse 11, 32 bit only: Firefox 2.0.Sun JRE 6 Ubuntu 8.10, 32 bit only: Firefox 2.0.Sun JRE 6 |

Compatible platforms:

| Platform | Operating System | Browsers and Java Environment |
|----------|--|--|
| Windows | <ul style="list-style-type: none"> Vista Ultimate No SP and SP1, 32 bit and 64 bit Vista Business No SP and SP1, 32 bit and 64 bit Vista Home Basic No SP and SP1, 32 bit and 64 bit Vista Home Premium No SP and SP1, 32 bit and 64 bit XP Professional SP3, 32 bit XP Professional SP2 64 bit 2000 Professional SP4 XP Home Edition SP2 XP Media Center 2005 Windows 2003 server SP2, 32bit and 64 bit | <ul style="list-style-type: none"> Internet Explorer 7.0 (Wherever applicable) Firefox 2.0 Firefox 3.0 Internet Explorer 6.0 (Wherever-applicable) Sun JRE 5/1.5.07 and above Microsoft JVM – for Windows 2000 |
| Mac | <ul style="list-style-type: none"> Mac OS X 10.5.x, 32 bit and 64 bit Mac OS X 10.4.x, 32 bit only Mac OS X 10.3.x, 32 bit only Mac OS X 10.2.x, 32 bit only | <ul style="list-style-type: none"> Safari 1.0 and above Sun JRE 5/1.5.07 and above |
| Linux | <ul style="list-style-type: none"> OpenSuse 10.1, 32 bit only Red Hat Enterprise Linux 5, 32 bit only | <ul style="list-style-type: none"> Firefox 1.5 and above |
| Solaris | <ul style="list-style-type: none"> Solaris 10, 32 bit only | <ul style="list-style-type: none"> Mozilla 2.0 and above |

Client-side Java Applets

Qualified platforms:

| Platform | Operating System : list of browsers and Java Environment |
|----------|--|
| Windows | <ul style="list-style-type: none"> XP Professional SP2 32 bit: Internet Explorer 6.0, Internet Explorer 7.0 and Firefox 2.0.Sun JRE 6 Vista Enterprise 32 bit: Internet Explorer 7.0 and Firefox 2.0.Sun JRE 6 Vista Enterprise 64 bit: Internet Explorer 7.0 and Firefox 2.0.Sun JRE 6 Vista Enterprise SP1 32 bit: Internet Explorer 7.0 and Firefox 2.0.Sun JRE 6 Vista Enterprise SP1 64 bit: Internet Explorer 7.0 and Firefox 2.0.Sun JRE 6 |
| Mac | <ul style="list-style-type: none"> Mac OS X 10.5.0, 32 bit and 64 bit: Safari 3.0.Sun JRE 6 Mac OS X 10.4.3, 32 bit only: Safari 2.0. Sun JRE 5 Mac OS X 10.3.2, 32 bit only: Safari 1.1. Sun JRE 5 |
| Linux | <ul style="list-style-type: none"> OpenSuse 10.3, 32 bit only: Firefox 2.0.Sun JRE 6 Ubuntu 7.10, 32 bit only: Firefox 2.0.Sun JRE 6 |

Compatible platforms:

| Platform | Operating System | Browsers and Java Environment |
|----------|--|--|
| Windows | <ul style="list-style-type: none"> Vista Ultimate No SP and SP1, 32 bit and 64 bit Vista Business No SP and SP1, 32 bit and 64 bit Vista Home Basic No SP and SP1, 32 bit and 64 bit Vista Home Premium No SP and SP1, 32 bit and 64 bit XP Professional SP3, 32 bit XP Professional SP2 64 bit 2000 Professional SP4 XP Home SP2 XP Media Center 2005 Windows 2003 server SP2, 32bit and 64 bit | <ul style="list-style-type: none"> Internet Explorer 7.0 (Wherever applicable) Firefox 2.0 Firefox 3.0 Internet Explorer 6.0 (Wherever-applicable) Sun JRE 5/1.5.07 and above Microsoft JVM – for Windows 2000 |
| Mac | <ul style="list-style-type: none"> Mac OS X 10.5.x, 32 bit and 64 bit Mac OS X 10.4.x, 32 bit only Mac OS X 10.3.x, 32 bit only Mac OS X 10.2.x, 32 bit only | <ul style="list-style-type: none"> Safari 1.0 and above Sun JRE 5/1.5.07 and above |

| | | |
|-------|---|---|
| | | |
| Linux | <ul style="list-style-type: none"> • OpenSuse 10.1, 32 bit only • Red Hat Enterprise Linux 5, 32 bit only | <ul style="list-style-type: none"> • Firefox 1.5 and above |

Secure Terminal Access

Qualified platforms:

| Platform | Operating System : list of browsers and Java Environment |
|----------|--|
| Windows | <ul style="list-style-type: none"> • XP Professional SP2 32 bit: Internet Explorer 6.0, Internet Explorer 7.0 and Firefox 2.0.Sun JRE 6 • Vista Enterprise 32 bit: Internet Explorer 7.0 and Firefox 2.0.Sun JRE 6 • Vista Enterprise 64 bit: Internet Explorer 7.0 and Firefox 2.0.Sun JRE 6 • Vista Enterprise SP1 32 bit: Internet Explorer 7.0 and Firefox 2.0.Sun JRE 6 • Vista Enterprise SP1 64 bit: Internet Explorer 7.0 and Firefox 2.0.Sun JRE 6 |
| Mac | <ul style="list-style-type: none"> • Mac OS X 10.5.0, 32 bit and 64 bit : Safari 3.0.Sun JRE 6 • Mac OS X 10.4.3, 32 bit only: Safari 2.0. Sun JRE 5 • Mac OS X 10.3.2, 32 bit only: Safari 1.1. Sun JRE 5 |
| Linux | <ul style="list-style-type: none"> • OpenSuse 10.3, 32 bit only: Firefox 2.0.Sun JRE 6 • Ubuntu 7.10, 32 bit only: Firefox 2.0.Sun JRE 6 |

Compatible platforms:

| Platform | Operating System | Browsers and Java Environment |
|----------|--|--|
| Windows | <ul style="list-style-type: none"> • Vista Ultimate No SP and SP1, 32 bit and 64 bit • Vista Business No SP and SP1, 32 bit and 64 bit • Vista Home Basic No SP and SP1, 32 bit and 64 bit • Vista Home Premium No SP and SP1, 32 bit and 64 bit • XP Professional SP3, 32 bit • XP Professional SP2 64 bit • 2000 Professional SP4 • XP Home Edition SP2 • XP Media Center 2005 • Windows 2003 server SP2, 32bit and 64 bit | <ul style="list-style-type: none"> • Internet Explorer 7.0 (Wherever applicable) • Firefox 2.0 • Firefox 3.0 • Internet Explorer 6.0 (Wherever-applicable) • Sun JRE 5/1.5.07 and above • Microsoft JVM – for Windows 2000 |
| Mac | <ul style="list-style-type: none"> • Mac OS X 10.5.x, 32 bit and 64 bit | <ul style="list-style-type: none"> • Safari 1.0 and above |

| | | |
|-------|--|--|
| | <ul style="list-style-type: none"> • Mac OS X 10.4.x, 32 bit only • Mac OS X 10.3.x, 32 bit only • Mac OS X 10.2.x, 32 bit only | <ul style="list-style-type: none"> • Sun JRE 5/1.5.07 and above |
| Linux | <ul style="list-style-type: none"> • OpenSuse 10.1, 32 bit only • Red Hat Enterprise Linux 5, 32 bit only | <ul style="list-style-type: none"> • Firefox 1.5 and above |

Java-Secure Application Manager (J-SAM)

[Not applicable for SA 700]

Qualified platforms:

| Platform | Operating System : list of browsers and Java Environment |
|----------|--|
| Windows | <ul style="list-style-type: none"> • XP Professional SP2 32 bit: Internet Explorer 6.0, Internet Explorer 7.0 and Firefox 2.0.Sun JRE 6 • Vista Enterprise 32 bit: Internet Explorer 7.0 and Firefox 2.0.Sun JRE 6 • Vista Enterprise SP1 32 bit: Internet Explorer 7.0 and Firefox 2.0.Sun JRE 6 |
| Mac | <ul style="list-style-type: none"> • Mac OS X 10.5.0, 32 bit and 64 bit: Safari 3.0.Sun JRE 6 • Mac OS X 10.4.3, 32 bit only: Safari 2.0. Sun JRE 5 • Mac OS X 10.3.2, 32 bit only: Safari 1.1. Sun JRE 5 |
| Linux | <ul style="list-style-type: none"> • OpenSuse 10.3, 32 bit only: Firefox 2.0.Sun JRE 6 • Ubuntu 7.10, 32 bit only: Firefox 2.0.Sun JRE 6 |

Compatible platforms:

| Platform | Operating System | Browsers and Java Environment |
|----------|--|--|
| Windows | <ul style="list-style-type: none"> • Vista Ultimate No SP and SP1, 32 bit and 64 bit • Vista Business No SP and SP1, 32 bit and 64 bit • Vista Home Basic No SP and SP1, 32 bit and 64 bit • Vista Home Premium No SP and SP1, 32 bit and 64 bit • XP Professional SP3, 32 bit • 2000 Professional SP4 • XP Home Edition SP2 • XP Media Center 2005 • Windows 2003 server SP2, 32bit and 64 bit | <ul style="list-style-type: none"> • Internet Explorer 7.0 (Wherever applicable) • Firefox 2.0 • Firefox 3.0 • Internet Explorer 6.0 (Wherever-applicable) • Sun JRE 5/1.5.07 and above • Microsoft JVM – for Windows 2000 |
| Mac | <ul style="list-style-type: none"> • Mac OS X 10.5.x, 32 bit and 64 bit • Mac OS X 10.4.x, 32 bit only • Mac OS X 10.3.x, 32 bit only | <ul style="list-style-type: none"> • Safari 1.0 and above • Sun JRE 5/1.5.07 and above |

| | | |
|---------|---|---|
| | <ul style="list-style-type: none"> • Mac OS X 10.2.x, 32 bit only | |
| Linux | <ul style="list-style-type: none"> • OpenSuse 10.1, 32 bit only • Red Hat Enterprise Linux 5, 32 bit only | <ul style="list-style-type: none"> • Firefox 1.5 and above |
| Solaris | <ul style="list-style-type: none"> • Solaris 10 32, bit only | <ul style="list-style-type: none"> • Mozilla 2.0 and above |

Note for Mac, Linux, and Solaris implementations:

- Automatic editing of hosts file is only available for root users
- Ports less than 1024 are only available for root users

Windows version of Secure Application Manager (W-SAM)

[Not applicable for SA 700]

Qualified platforms:

| Platform | Operating System : list of browsers and Java Environment |
|----------|--|
| Windows | <ul style="list-style-type: none"> • XP Professional SP2 32 bit: Internet Explorer 6.0, Internet Explorer 7.0 and Firefox 2.0.Sun JRE 6 • Vista Enterprise 32 bit: Internet Explorer 7.0 and Firefox 2.0.Sun JRE 6 • Vista Enterprise SP1 32 bit: Internet Explorer 7.0 and Firefox 2.0.Sun JRE 6 |

Compatible platforms:

| Platform | Operating System | Browsers and Java Environment |
|----------|---|--|
| Windows | <ul style="list-style-type: none"> • Vista Ultimate No SP and SP1, 32 bit only • Vista Business No SP and SP1, 32 bit only • Vista Home Basic No SP and SP1, 32 bit only • Vista Home Premium No SP and SP1, 32 bit only • XP Professional SP3, 32 only • 2000 Professional SP4 • XP Home Edition SP2 • XP Media Center 2005 • Windows 2003 server SP2, 32bit only | <ul style="list-style-type: none"> • Internet Explorer 7.0 (Wherever applicable) • Firefox 2.0 • Firefox 3.0 • Internet Explorer 6.0 (Wherever-applicable) • Sun JRE 5/1.5.07 and above • Microsoft JVM – for Windows 2000 |

Network Connect

Qualified platforms:

| Platform | Operating System : list of browsers and Java Environment |
|----------|--|
| Windows | <ul style="list-style-type: none"> XP Professional SP2 32 bit: Internet Explorer 6.0, Internet Explorer 7.0 and Firefox 2.0.Sun JRE 6 Vista Enterprise 32 bit: Internet Explorer 7.0 and Firefox 2.0.Sun JRE 6 Vista Enterprise 64 bit: Internet Explorer 7.0 and Firefox 2.0.Sun JRE 6 Vista Enterprise SP1 32 bit: Internet Explorer 7.0 and Firefox 2.0.Sun JRE 6 Vista Enterprise SP1 64 bit: Internet Explorer 7.0 and Firefox 2.0.Sun JRE 6 |
| Mac | <ul style="list-style-type: none"> Mac OS X 10.5.0 , 32 and 64 bit: Safari 3.0.Sun JRE 6 Mac OS X 10.4.3, 32 bit only: Safari 2.0. Sun JRE 5 Mac OS X 10.3.2, 32 bit only: Safari 1.1. Sun JRE 5 |
| Linux | <ul style="list-style-type: none"> OpenSuse 10.3, 32 bit only: Firefox 2.0.Sun JRE 6 Ubuntu 7.10, 32 bit only: Firefox 2.0.Sun JRE 6 |

Compatible platforms:

| Platform | Operating System | Browsers and Java Environment |
|----------|--|--|
| Windows | <ul style="list-style-type: none"> Vista Ultimate No SP and SP1, 32 bit and 64 bit Vista Business No SP and SP1, 32 bit and 64 bit Vista Home Basic No SP and SP1, 32 bit and 64 bit Vista Home Premium No SP and SP1, 32 bit and 64 bit XP Professional SP3, 32 bit XP Professional SP2 64 bit 2000 Professional SP4 XP Home Edition SP2 XP Media Center 2005 Windows 2003 server SP2, 32bit and 64 bit | <ul style="list-style-type: none"> Internet Explorer 7.0 (Wherever applicable) Firefox 2.0 Firefox 3.0 Internet Explorer 6.0 (Wherever-applicable) Sun JRE 5/1.5.07 and above Microsoft JVM – for Windows 2000 |
| Mac | <ul style="list-style-type: none"> Mac OS X 10.5.x, 32 bit and 64 bit Mac OS X 10.4.x, 32 bit only Mac OS X 10.3.x, 32 bit only Mac OS X 10.2.x, 32 bit only | <ul style="list-style-type: none"> Safari 1.0 and above Sun JRE 5/1.5.07 and above |
| Linux | <ul style="list-style-type: none"> OpenSuse 10.3 , 32 bit only 10.1 Fedora Core 9, 32 bit only Red Hat Enterprise Linux 5, 32 bit only | <ul style="list-style-type: none"> Firefox 1.5 and above |

Note: Credential Provider is not supported on any 64 bit Vista platforms.

Host Checker

Qualified platforms:

| Platform | Operating System : list of browsers and Java Environment |
|----------|--|
| Windows | <ul style="list-style-type: none"> XP Professional SP2 32 bit: Internet Explorer 6.0, Internet Explorer 7.0 and Firefox 2.0.Sun JRE 6 Vista Enterprise 32 bit: Internet Explorer 7.0 and Firefox 2.0.Sun JRE 6 Vista Enterprise SP1 32 bit: Internet Explorer 7.0 and Firefox 2.0.Sun JRE 6 |
| Mac | <ul style="list-style-type: none"> Mac OS X 10.5.0, 32 and 64 bit : Safari 3.0.Sun JRE 6 Mac OS X 10.4.3, 32 bit only: Safari 2.0. Sun JRE 5 |
| Linux | <ul style="list-style-type: none"> OpenSuse 10.3, 32 bit only: Firefox 2.0.Sun JRE 6 Ubuntu 7.10, 32 bit only: Firefox 2.0.Sun JRE 6 |

Compatible platforms:

| Platform | Operating System | Browsers and Java Environment |
|----------|---|--|
| Windows | <ul style="list-style-type: none"> Vista Ultimate No SP and SP1, 32 bit and 64 bit Vista Business No SP and SP1, 32 bit and 64 bit Vista Home Basic No SP and SP1, 32 bit and 64 bit Vista Home Premium No SP and SP1, 32 bit and 64 bit Vista Enterprise 64 bit No SP and SP1 XP Professional SP3, 32 bit XP Professional SP2 64 bit 2000 Professional SP4 XP Home SP2 XP Media Center 2005 Windows 2003 server SP2, 32bit and 64 bit | <ul style="list-style-type: none"> Internet Explorer 7.0 (Wherever applicable) Firefox 2.0 Firefox 3.0 Internet Explorer 6.0 (Wherever-applicable) Sun JRE 5/1.5.07 and above Microsoft JVM – for Windows 2000 |
| Mac | <ul style="list-style-type: none"> Mac OS X 10.5.x, 32 bit and 64 bit Mac OS X 10.4.x, 32 bit only Mac OS X 10.3.x, 32 bit only Mac OS X 10.2.x, 32 bit only | <ul style="list-style-type: none"> Safari 1.2 and above Sun JRE 5/1.5.07 and above |
| Linux | <ul style="list-style-type: none"> OpenSuse 10.1, 32 bit only Red Hat Enterprise Linux 5, 32 bit only | <ul style="list-style-type: none"> Firefox 1.5 and above |
| Solaris | <ul style="list-style-type: none"> Solaris 10, 32 bit only | <ul style="list-style-type: none"> Mozilla 2.0 and above |

Secure Virtual Workspace

[Not applicable for SA 700]

Qualified platforms:

| Platform | Operating System : list of browsers and Java Environment |
|----------|--|
| Windows | <ul style="list-style-type: none"> • XP Professional SP2 32 bit: Internet Explorer 6.0, Internet Explorer 7.0 and Firefox 2.0 • Vista Enterprise 32 bit: Internet Explorer 7.0 and Firefox 2.0 • Vista Enterprise SP1 32 bit: Internet Explorer 7.0 and Firefox 2.0 |

Compatible platform:

| Platform | Operating System | Browsers and Java Environment |
|----------|--|--|
| Windows | <ul style="list-style-type: none"> • Vista Ultimate No SP and SP1, 32 bit • Vista Business No SP and SP1, 32 bit • Vista Home Basic No SP and SP1, 32 bit • Vista Home Premium No SP and SP1, 32 bit • XP Professional SP3, 32 bit • 2000 Professional SP4 | <ul style="list-style-type: none"> • Internet Explorer 7.0 (Wherever applicable) • Firefox 2.0 • Firefox 3.0 • Internet Explorer 6.0 (Wherever-applicable) • Sun JRE 5/1.5.07 and above • Microsoft JVM – for Windows 2000 |

Cache Cleaner

Qualified platforms:

| Platform | Operating System : list of browsers and Java Environment |
|----------|--|
| Windows | <ul style="list-style-type: none"> • XP Professional SP2 32 bit: Internet Explorer 6.0, Internet Explorer 7.0 and Firefox 2.0.Sun JRE 6 • Vista Enterprise 32 bit: Internet Explorer 7.0 and Firefox 2.0.Sun JRE 6 • Vista Enterprise SP1 32 bit: Internet Explorer 7.0 and Firefox 2.0.Sun JRE 6 |

Compatible platform:

| Platform | Operating System | Browsers and Java Environment |
|----------|--|--|
| Windows | <ul style="list-style-type: none"> • Vista Ultimate No SP and SP1, 32 bit and 64 bit • Vista Business No SP and SP1, 32 bit and 64 bit • Vista Home Basic No SP and SP1, 32 bit and 64 bit • Vista Home Premium No SP and SP1, 32 bit and 64 bit. • Vista Enterprise No SP and SP1, 64 bit • XP Professional SP3, 32 bit • XP Professional SP2 64 bit • 2000 Professional SP4 • XP Home SP2 • XP Media Center 2005 | <ul style="list-style-type: none"> • Internet Explorer 7.0 (Wherever applicable) • Firefox 2.0 • Firefox 3.0 • Internet Explorer 6.0 (Wherever-applicable) • Sun JRE 5/1.5.07 and above • Microsoft JVM – for Windows 2000 |

Terminal Services

[Not applicable for SA 700]

Qualified platforms:

| Platform | Operating System : list of browsers and Java Environment |
|----------|--|
| Windows | <ul style="list-style-type: none"> XP Professional SP2 32 bit: Internet Explorer 6.0, Internet Explorer 7.0 and Firefox 2.0.Sun JRE 6 Vista Enterprise 32 bit: Internet Explorer 7.0 and Firefox 2.0.Sun JRE 6 Vista Enterprise SP1 32 bit: Internet Explorer 7.0 and Firefox 2.0.Sun JRE 6 |

Compatible platform:

| Platform | Operating System | Browsers and Java Environment |
|----------|--|--|
| Windows | <ul style="list-style-type: none"> Vista Ultimate No SP and SP1, 32 bit and 64 bit Vista Business No SP and SP1, 32 bit and 64 bit Vista Home Basic No SP and SP1, 32 bit and 64 bit Vista Home Premium No SP and SP1, 32 bit and 64 bit XP Professional SP3, 32 bit 2000 Professional SP4 XP Home SP2 XP Media Center 2005 Windows 2003 server SP2, 32bit and 64 bit | <ul style="list-style-type: none"> Internet Explorer 7.0 (Wherever applicable) Firefox 2.0 Firefox 3.0 Internet Explorer 6.0 (Wherever-applicable) Sun JRE 5/1.5.07 and above Microsoft JVM – for Windows 2000 |

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 WSAM, Network Connect, Windows Terminal Services, and Secure Meeting clients.

Microsoft JVM, or Sun JRE 1.4.1 or greater must be installed on the client system to utilize adaptive Delivery for Juniper client applications.

Juniper Installer Service

Juniper Installer Service is supported for the following client applications: Network Connect, Windows Secure Application Manager (W-SAM), Host Checker, Cache Cleaner, and Terminal Services.

Qualified platforms:

| Platform | Operating System : list of browsers and Java Environment |
|----------|--|
| Windows | <ul style="list-style-type: none"> XP Professional SP2 32 bit: Internet Explorer 6.0, Internet Explorer 7.0 and Firefox 2.0. Sun JRE 5 XP Professional SP2 64 bit: Internet Explorer 6.0, Internet Explorer 7.0 and Firefox 2.0. Sun JRE 5 Vista Enterprise 32 bit: Internet Explorer 7.0 and Firefox 2.0. Sun JRE 5 Vista Enterprise 64 bit: Internet Explorer 7.0 and Firefox 2.0. Sun JRE 5 Vista Enterprise SP1 32 bit: Internet Explorer 7.0 and Firefox 2.0. Sun JRE 5 Vista Enterprise SP1 64 bit: Internet Explorer 7.0 and Firefox 2.0. Sun JRE 5 |

Compatible platform:

| Platform | Operating System | Browsers and Java Environment |
|----------|--|--|
| Windows | <ul style="list-style-type: none"> Vista Ultimate No SP and SP1, 32 bit and 64 bit Vista Business No SP and SP1, 32 bit and 64 bit Vista Home Basic No SP and SP1, 32 bit and 64 bit Vista Home Premium No SP and SP1, 32 bit and 64 bit XP Professional SP3, 32 bit 2000 Professional SP4 | <ul style="list-style-type: none"> Internet Explorer 7.0 (Wherever applicable) Firefox 2.0 Firefox 3.0 Internet Explorer 6.0 (Wherever-applicable) Sun JRE 5/1.5.07 and above Microsoft JVM – for Windows 2000 |

Secure Meeting

[Not applicable for SA 700]

Qualified platforms:

| Platform | Operating System : list of browsers and Java Environment |
|----------|--|
| Windows | <ul style="list-style-type: none"> XP Professional SP2 32 bit: Internet Explorer 6.0, Internet Explorer 7.0 and Firefox 2.0. Sun JRE 5 XP Professional SP2 64 bit: Internet Explorer 6.0, Internet Explorer 7.0 and Firefox 2.0. Sun JRE 5 Vista Enterprise 32 bit: Internet Explorer 7.0 and Firefox 2.0. Sun JRE 5 Vista Enterprise 64 bit: Internet Explorer 7.0 and Firefox 2.0. Sun JRE 5 Vista Enterprise SP1 32 bit: Internet Explorer 7.0 and Firefox 2.0. Sun JRE 5 Vista Enterprise SP1 64 bit: Internet Explorer 7.0 and Firefox 2.0. Sun JRE 5 |
| Mac | <ul style="list-style-type: none"> Mac OS X 10.5.0, 32 bit and 64 bit: Safari 3.0. Sun JRE 5 Mac OS X 10.4.3, 32 bit only: Safari 2.0. Sun JRE 5 Mac OS X 10.3.2, 32 bit only: Safari 1.1. Sun JRE 5 |
| Linux | <ul style="list-style-type: none"> OpenSuse 10.3, 32 bit only: Firefox 2.0. Sun JRE 6 Ubuntu 7.10, 32 bit only: Firefox 2.0. Sun JRE 6 |

Compatible platforms:

| Platform | Operating System | Browsers and Java Environment |
|----------|--|--|
| Windows | <ul style="list-style-type: none"> Vista Ultimate No SP and SP1, 32 bit and 64 bit Vista Business No SP and SP1, 32 bit and 64 bit Vista Home Basic No SP and SP1, 32 bit and 64 bit Vista Home Premium No SP and SP1, 32 bit and 64 bit XP Professional SP3, 32 bit 2000 Professional SP4 XP Home SP2 XP Media Center 2005 Windows 2003 server SP2, 32bit and 64 bit | <ul style="list-style-type: none"> Internet Explorer 7.0 (Wherever applicable) Firefox 2.0 Firefox 3.0 Internet Explorer 6.0 (Wherever-applicable) Sun JRE 5/1.5.07 and above Microsoft JVM – for Windows 2000 |
| Mac | <ul style="list-style-type: none"> Mac OS X 10.5.x, 32 bit and 64 bit Mac OS X 10.4.x, 32 bit only Mac OS X 10.3.x, 32 bit only Mac OS X 10.2.x, 32 bit only | <ul style="list-style-type: none"> Safari 1.0 and above Sun JRE 5/1.5.07 and above |
| Linux | <ul style="list-style-type: none"> OpenSuse 10.1, 32 bit only | <ul style="list-style-type: none"> Firefox 1.5 and above |

Client Recommendations for Secure Meeting:

- CPU: 1GHz or above recommended for Windows Client. For Mac 1GHz G4 or Intel processor is recommended.
- Memory: 256MB of available RAM.
- Color Quality: For best results, use 16-bit. 8, 16, 24, and 32 bit are supported too.
- Monitor Resolutions: 1024 x 768 pixels is recommended. Up to 2048 x 2048 pixels is supported.

* Firefox 2.0.0.16(and above) and 3.0(and above) are supported on 6.2r2 and later releases only.

Administrator User Interface (Web Console)

Qualified platforms:

| Platform | Operating System : list of browsers and Java Environment |
|----------|--|
| Windows | <ul style="list-style-type: none"> • XP Professional SP2 32 bit: Internet Explorer 6.0, Internet Explorer 7.0 and Firefox 2.0 • Vista Enterprise 32 bit: Internet Explorer 7.0 and Firefox 2.0 • OpenSuse 10.3: Firefox 2.0 |

Compatible platforms:

| Platform | Operating System | Browsers and Java Environment |
|----------|---|--|
| Windows | <ul style="list-style-type: none"> • Vista Ultimate No SP and SP1, 32 bit and 64 bit • Vista Business No SP and SP1, 32 bit and 64 bit • Vista Home Basic No SP and SP1, 32 bit and 64 bit • Vista Home Premium No SP and SP1, 32 bit and 64 bit • XP Professional SP3, 32 bit • 2000 Professional SP4 • Ubuntu 7.10 | <ul style="list-style-type: none"> • Internet Explorer 7.0 (Wherever applicable) • Firefox 2.0 • Firefox 3.0 • Internet Explorer 6.0 (Wherever-applicable) |

Mobile Devices

Web & File browsing

Compatible platforms:

- Windows Mobile 6.0 Standard, Classic and Professional: Pocket IE 6.0
- Windows Mobile 6.1 Standard, Classic and Professional: Pocket IE 6.0
- Windows Mobile 5.0 based Pocket PC devices: Pocket IE 4.0
- Iphone 2.0 and above with default Safari
- Palm OS 5.4: Blazer 4.5
- Symbian OS 7.1: Opera 6.31
- NTT I-mode phone
- AU/KDDI phone : Openwave Mobile Browser
- Vodafone phone : Openwave Mobile Browser

Level of Web browsing support:

- The table below describes support for web browsing.

| Client Type | Platforms | HTML Rewriting Support | JavaScript Rewriting Support | Java Rewriting Support |
|---------------------------|--|------------------------|------------------------------|------------------------|
| Compact HTML | I-Mode | Yes | N/A | N/A |
| Smart Phone HTML Basic | Symbian/Opera | Yes | No | No |
| Smart Phone HTML Advanced | Treo 650/ Palm/Blazer | Yes | Partial | No |
| Mobile HTML | Windows Mobile 5.0/ Pocket IE 4.0 Windows Mobile 6.0/ Pocket IE 6.0 | Yes | Yes | No |

Clientless ActiveSync

[Not applicable for SA 700]

Qualified platforms:

| OS | Make - Model |
|--|----------------|
| Windows Mobile 6 Standard | Dopod C730 |
| Windows Mobile 6 Professional | HTC touch |
| Windows Mobile 5 Pocket PC Phone Edition | HP IPAQ HW6915 |

Compatible platforms:

- Windows Mobile 6.0 Standard and Professional
- Windows Mobile 6.1 Standard and Professional
- Windows Mobile 5.0 Pocket PC Phones only with supported version of Messaging and Security Feature Pack
- Iphone 2.0 and above
- Symbian OS

Windows Secure Application Manager for Window Mobile

[Not applicable for SA 700]

Qualified platforms:

| OS | Make - Model |
|--|--|
| Windows Mobile 6 Standard | HTC s710 Motorola Q8 Motorola Q9 Samsung Blackjack II |
| Windows Mobile 6 Professional | HTC touch Verizon- Samsung SCHi760 |
| Windows Mobile 5 Smartphone | I-mate Jaq3 |
| Windows Mobile 5 Pocket PC Phone Edition | Glofish Eten X500 Cingular 8125 |

Compatible platforms:

- Windows Mobile 6.0 Standard, Classic and Professional
- Windows Mobile 6.1 Standard, Classic and Professional
- Windows Mobile 5.0 based Pocket PC and Pocket PC Phones only.

Host Checker

Qualified platforms:

| OS | Make - Model |
|---|---|
| Windows Mobile 6 Standard | Samsung Blackjack II |
| Windows Mobile 6 Professional | HTC touch Verizon- Samsung SCHi760 Glofish Eten X500+ |
| Windows Mobile 5 Smartphone | I-mate Jaq3 |
| Windows Mobile 5 Pocket PC Phone Edition | Cingular 8125 |

Compatible platforms:

- Windows Mobile 6.0 Standard, Classic and Professional
- Windows Mobile 6.1 Standard, Classic and Professional
- Windows Mobile 5.0 based Pocket PC and Pocket PC Phones only.

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