



## System Requirements

Several prerequisites are required before upgrading to ASDM, covered in the following sections.

### Hardware Requirements

ASDM software runs on the following platforms:

- Cisco ASA 5540 security appliance
- Cisco ASA 5520 security appliance
- Cisco ASA 5510 security appliance
- SSM-10
- SSM-20
- PIX 515/515E
- PIX 525
- PIX 535



**Note**

---

ASDM is not currently supported on PIX 501 or PIX 506/506E hardware.

---

For more information on minimum hardware requirements, go to the following website:

<http://www.cisco.com/cisco/software/navigator.html>

### Memory Requirements

The minimum memory requirements for your platform depends on the type of licensing you have purchased, which enables different levels of service, and defines the number of interfaces and memory the system can support. Restricted licenses require less memory than Unrestricted licenses.

**Unrestricted**—An Unrestricted (UR) license allows installation and use of the maximum number of interfaces and RAM supported by the platform. The Unrestricted license supports a redundant 'hot standby' system for failover operation to minimize network downtime.

**Restricted**—A Restricted (R) license limits the number of interfaces supported and the amount of RAM available within the system. A Restricted licensed firewall does not support a redundant system for failover configurations.



---

**Corporate Headquarters:**

**Cisco Systems, Inc., 170 West Tasman Drive, San Jose, CA 95134-1706 USA**

Copyright © 2005 Cisco Systems, Inc. All rights reserved.

If you are a PIX 515 or PIX 515E user with a PIX Version 6.3, you will need to upgrade your memory before performing an upgrade to PIX Version 7.0. PIX Version 7.0 requires at least 64 MB of RAM for unrestricted (UR) and failover (FO) licenses and at least 128 MB of RAM (see [Table 1](#)).

For registered users, you can download the software from this URL: <http://www.cisco.com/cisco/software/navigator.html>. If you are currently not a registered software user, go to this URL to become a registered user: <http://tools.cisco.com/RPF/register/register.do>.

**Table 1** Memory Requirements for PIX 515/515E Platform

PIX Version 6.3 Platform License	PIX Version 6.3 Current Memory (MB)	Desired Upgrade Platform License	Part Number	Memory (MB)
R	32	—	PIX-515-MEM-32= Download software from cisco.com or purchase PIX-SW-UPGRADE=	64
R	64	—	Download software from cisco.com or purchase PIX-SW-UPGRADE=	64
R	32	UR	PIX-515-SW-R-UR= Remove your existing 32MB memory module (DIMM) and replace it with two new 64MB modules to achieve a total of 128MB	128
R	64	UR	PIX-515-SW-R-UR= Remove your two existing 32MB memory modules and replace with two new 64MB modules to achieve a total of 128MB.	128
UR	64	—	PIX-515-MEM-128= Download software from cisco.com or purchase PIX-SW-UPGRADE=	128
UR	128	—	Download software from cisco.com or purchase PIX-SW-UPGRADE=	128
FO	64	—	PIX-515-MEM-128= Download software from cisco.com or purchase PIX-SW-UPGRADE=	128
FO	128	—	Download software from cisco.com or purchase PIX-SW-UPGRADE=	128
FO	64	UR	PIX-515-SW-FO-UR=	128
FO	128	UR	PIX-515-SW-FO-UR=	128
R	64	UR	PIX-515-SW-R-UR=	128
FO	128	UR	PIX-515-SW-FO-UR=	128
FO	128	U	PIX-515-SW-FO-R=	64

The PIX 515 and PIX 515E memory upgrades do not require a BIOS update.



**Note** The minimum Flash memory requirement is 16 MB.

Table 2 lists the minimum memory requirements for PIX 525 and PIX 535.

**Table 2** *PIX 525 and PIX 535 Minimum RAM Requirements*

Model	Minimum RAM
Cisco PIX 525 security appliance	128 MB on Restricted models
	256 MB on Unrestricted, Failover, and Failover Active/Active models
Cisco PIX 535 security appliance	512 MB on Restricted models
	1024 MB on Unrestricted, Failover, and Failover Active/Active models

Table 3 lists the Cisco security appliance minimum RAM requirements.

**Table 3** *Cisco Security Appliance Minimum RAM Requirements*

Model	Minimum RAM
Cisco ASA 5510 security appliance	256 MB
Cisco ASA 5520 security appliance	512 MB
Cisco ASA 5540 security appliance	1024 MB
SSM-10	1024 MB
SSM-20	2048 MB

## Connectivity Requirements

The minimum connectivity requirements to perform an upgrade to PIX Version 7.0 are:

- A PC or server connected to any network port of the PIX and running TFTP software. (Your PC or server can be connected to the PIX using a switch or a crossover cable).
- A DB-9 connector, and rollover cable, and a console connectivity program, such as HyperTerminal or another Terminal Emulation, to talk to the PIX.



**Note**

In PIX Version 7.0, both the crossover cable and serial failover cable are supported in Active/Active failover configurations.

## Client PC Operating System and Browser Requirements

Table 4 lists the supported and recommended platforms for ASDM Version 5.0. See the “[Memory Requirements](#)” section on page 1 for memory requirements.

**Table 4** Operating System and Browser Requirements

	Operating System	Browser	Other Requirements
Windows <sup>1</sup>	Windows Vista, Windows XP, Windows 2000 (Service Pack 4 or higher), or Windows 2003 operating systems (English or Japanese version)	Internet Explorer 6.0 or 7.0 <b>Note</b> <b>HTTP 1.1</b> <sup>2</sup> —Settings for Internet Options > Advanced > HTTP 1.1 should use HTTP 1.1 for both proxy and non-proxy connections.  Firefox 1.5 or 2.0	<b>SSL Encryption Settings</b> —All available encryption options are enabled for SSL in the browser preferences.  Java SE 1.4.2, 5.0, or 6
Linux	Red Hat Desktop, Red Hat Enterprise WS version 4	Firefox 1.5 or 2.0	

1. ASDM is not supported on Windows 3.1, 95, 98, ME or Windows NT4.
2. Applies only to Windows IE.