



Adaptive Computing Lab

Security Assists: Secunia scanner

Secunia.com provides a free Online Software Inspector that will determine if you have the most current and safest versions of vulnerable programs and plug-ins. This is a free scanning service.

In particular, this provides updated vulnerability information on a variety of programs.

Microsoft products such as the Windows operating systems, Office, Outlook Express, Windows Media Player, etc.

Browsers such as Internet Explorer, Mozilla Firefox, Opera, or Safari

Plug-ins such as Adobe Reader, Adobe Flash Player, Sun System's Java, Apple QuickTime

To run the scanner, go to www.secunia.com

The screenshot shows the Secunia website homepage. The header includes the Secunia logo and navigation links like 'Home', 'Products', 'Community', and 'Company'. A search bar is also present. The main content area is divided into several sections:

- Secunia Advisories:** A list of highlighted vulnerabilities, including:
 - Adobe Reader / Acrobat SING "uniqueName" Buffer Overflow Vulnerability (2 days ago, 9,578 views)
 - Apple QuickTime QTPlugin.ocx Input Validation Vulnerability (1 week ago, 4,520 views)
 - Mozilla Firefox Multiple Vulnerabilities (2 days ago, 2,777 views)
- Most popular - 3 hours:** A list of popular vulnerabilities, including:
 - Adobe Reader / Acrobat SING "uniqueName" Buffer Overflow Vulnerability (Issued 2 days ago, 240 views)
 - Mozilla Firefox Multiple Vulnerabilities (Issued 2 days ago, 80 views)
 - Adobe Flash Player Multiple Vulnerabilities (Issued 1 month ago, 45 views)
- Latest:** A section for the latest updates, including PowerStore.
- News:** A section for news articles, including:
 - Why do you spend time verifying vulnerability... (Posted 2 days ago)
 - Secunia PSI 2.0 Auto Updates: A flying start... (Posted 1 week ago)
 - Secunia CSI 4.1 - enhanced reporting, new fea... (Posted 1 week ago)
- Secunia Research:** A section for research updates, including N/A - RESERVED - Pending Disclosure.
- Download the Secunia Half Year Report 2010:** A prominent banner with a 'Click here' button.
- Try the new Secunia CSI 4.1 to find out!:** A banner with a 'DOWNLOAD' button.

On the Menu Bar, place the mouse cursor over the Products tab and you will get a drop down menu as shown below...click on the OSI- Online software Inspector option



This will bring up a page with the Start Scanner button shown below, click on it.

Start Scanner

Statistics - All Time

Scans:	5,498,864
Programs scanned:	66,049,760

Statistics - 24 Hours

Scans:	4,292
Programs scanned:	40,252
Insecure programs:	21%

On the next page, you will have the options below (unless you get an error saying that the applet did not load...if you get this error you probably do not have a recent version of Java installed...the OSI is a Java applet.)

In the section that says Scan Options I always uncheck the box "Display only insecure programs". I always want to see all of the programs that are assessed.

Then click the gray Start button and the scanner will run.

The screenshot shows the Secunia Online Software Inspector (OSI) web interface. At the top, the Secunia logo is on the left, and navigation links for 'Try CSI', 'Download PSI', 'Scan Now', 'Customer Area', and 'Need help?' are on the right. Below the logo is a navigation menu with 'Home', 'Products', 'Community', and 'Company'. A search bar is also present. A large banner asks if the user is interested in the security status of PC's connecting to their network and promotes 'Try the new Secunia CSI 4.1 to find out!' with a 'Download' button.

The main content area is titled 'Welcome to Secunia Online Software Inspector (OSI)'. It includes a 'Scan Now' section with a description of the tool's function and a 'Start' button. Below this is a 'Detection Statistics' section showing 0 Programs Detected in Total, 0 Insecure Versions Detected, and 0 Updated Versions Detected. There is also a 'Stop' button. The 'Scan Options' section has two checkboxes: 'Enable thorough system inspection' (unchecked) and 'Display only insecure programs' (checked). The 'Running For' section shows 0 minutes, 0 seconds. The 'Errors with the scan' section shows 0 Errors Detected. The 'Status / Currently Processing' section indicates the Java Applet loaded successfully and prompts the user to press 'Start' to begin.

On the left side, there is a navigation menu with 'Products' selected, and sub-menus for 'Corporate', 'Consumer', 'PSI', 'OSI', and 'Partner Programs'. The 'Consumer' menu is expanded, showing links for 'System Requirements', 'Features', 'Programs Covered', 'Reminder Service', 'Privacy', 'FAQ', and 'Compare products'. Below the menu is a 'Secunia PSI WorldMap' showing a world map with green highlights.

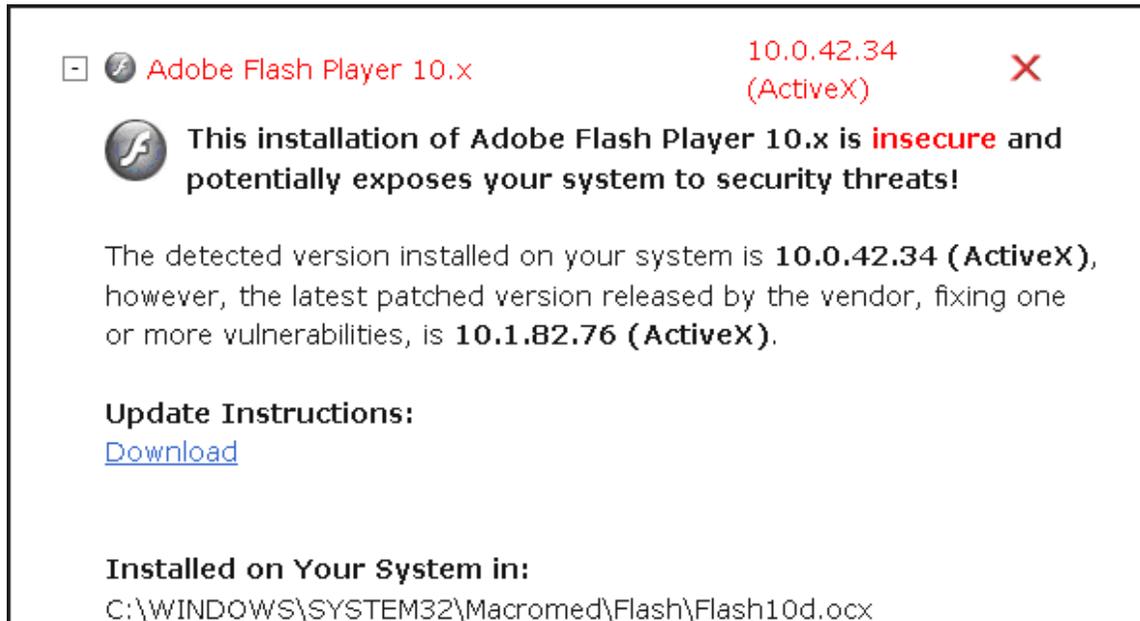
On the right side, there are links to 'OSI Forum' and 'Tell a Friend'. A 'Secunia News' section lists three articles: 'Why do you spend time verifying vulnerability reports?' (2 days ago), 'Secunia PSI 2.0 Auto Updates: A flying start and interesting numbers!' (1 week ago), and 'Secunia releases update to the Corporate Software Inspector solution' (1 week ago).

After the scan finishes you will get the results in a format similar to the one below. If there is a green check mark, you have the most up to date version of the program. If there is a red X then there is a problem. The program will also be shown in red text.

Programs / Result	Version Detected	Status
+  Microsoft Windows XP Professional	Service Pack 3	✓
+  Adobe Reader 9.x	9.3.4.218	✓
+  Apple QuickTime 7.x	7.65.17.80	✗
+  Microsoft Internet Explorer 6.x	6.00.2900.5512	✓
+  Microsoft Outlook Express 6	6.00.2900.5512	✓
+  Microsoft Windows Media Player 11.x	11.0.5721.5145	✓
+  Mozilla Firefox 3.6.x	3.6.	✗
+  Adobe Flash Player 10.x	10.0.42.34 (ActiveX)	✗
+  Adobe Flash Player 10.x	10.1.82.76 (NPAPI)	✓
+  Sun Java JRE 1.6.x / 6.x	6.0.200.2	✓

For clarification of the problems and for information about the solution, click on the + sign to the left of the problem program.

This will open up the information panel as shown below.



The screenshot shows a Windows Update notification for Adobe Flash Player 10.x. At the top, the software name is listed as "Adobe Flash Player 10.x" with a status of "10.0.42.34 (ActiveX)" and a red "X" icon indicating a problem. Below this, a warning message states: "This installation of Adobe Flash Player 10.x is **insecure** and potentially exposes your system to security threats!". The message explains that the installed version is 10.0.42.34 (ActiveX), but the latest patched version is 10.1.82.76 (ActiveX). Under the heading "Update Instructions:", there is a blue "Download" link. At the bottom, under "Installed on Your System in:", the file path is shown as "C:\WINDOWS\SYSTEM32\Macromed\Flash\Flash10d.ocx".

The Download link will take you to the appropriate site to download the update. You frequently will have to shut down your Internet browser when you install one of these updates.

After you have downloaded and installed all updates, run the OSI again to make sure that all programs have the green check in the Status column.