

java virtual machine

Source:

http://www.derkeiler.com/Newsgroups/microsoft.public.windowsxp.security_admin/2003-10/1184.html

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I have a user who keeps getting an error message about java virtual machine and when they go to download they get taken to the below site. Anyone have any knowledge on this and an easy fix? Thanks

Transitioning from the Microsoft Java Virtual Machine
July 23, 2003

Due to a settlement agreement in January 2001 that resolved a legal dispute with Sun Microsystems, as of January 2004 Microsoft will no longer be authorized to support the Microsoft® Java Virtual Machine (MSJVM). Microsoft will not be able to address potential security issues, nor will the company be able to make any product enhancements. In preparation for this change, Microsoft began phasing out the MSJVM in its products after the settlement was reached. Going forward, the MSJVM will not be included in any future Microsoft products.

Minimizing Impact for Our Customers

Microsoft's top priority is to provide its customers a computing experience that is trustworthy. As part of that effort, the company is committed to helping customers end their MSJVM dependencies and move to alternate solutions.

Microsoft will offer customers running the MSJVM several tools and options for transition and migration. As those options are built, the primary focus will be minimizing customer inconvenience.

The transition and migration options Microsoft offers will be customized to address the needs and circumstances of different types of customers. Depending on the specific customer situation, recommended courses of action may range from doing nothing at this time to identifying and addressing a customer's MSJVM dependency.

Steps for Developers, IT Pros, and Business Customers

Microsoft has identified steps that developers, IT professionals, and businesses can take in order to make the transition and migration as convenient as possible:

Start work now to understand your MSJVM dependency.

Decide on your transition and migration path.

Start migration and testing.

Microsoft will provide transition and migration tools and guidance to system integrators, value-added providers, and others who offer services for small businesses and other customers.

In the near future, Microsoft will have tools and guidance available to developers and IT pros on Microsoft.com and MSDN®. Beta versions of some of these tools are already available.

Steps for Businesses That Redistribute the MSJVM

Microsoft recommends businesses that redistribute the MSJVM in their products make their transition as soon as possible. Microsoft is also formulating a strategy to help independent software vendors through the MSJVM transition and migration process. Information for businesses that redistribute the MSJVM will be available at this site in the near future.

Transition and Migration Options for Business Customers

There are several migration options available for business customers:

Migrate to .NET. In July 2002 Microsoft released Visual J#® .NET, a development tool for building applications and services on the Microsoft .NET Framework. This tool offers a simple way to take existing Microsoft Visual J++® or Microsoft SDK for Java applications and move them to the .NET Framework while still retaining the Java language syntax. J# Browser Controls (JBC) round out support in Visual J# .NET for migrating applet code. In addition, in February 2002 Microsoft announced the Java Language Conversion Assistant (JLCA). It automatically converts most existing Java-language source code into C#, converting both language syntax and library calls.

Migrating to .NET may require access to source code.

Migrate to other rendering technologies. Although Microsoft cannot vouch for the security and reliability of solutions offered by other companies, several offer rendering technology that can be viewed in a number of browsers. Technology options include Microsoft ASP.NET, DHTML, Macromedia Flash, and others. Migrating to other rendering technologies requires access to source code.

Lock down Internet Explorer security zones while continuing to use the MSJVM. Locking down security zones allows for limited usage of the MSJVM even after it becomes unsupported while helping to limit security risks by restricting the use of MSJVM to specific sites. This can be done in parallel with other migration options and can be performed today by IT professionals. This option will also be addressed in the forthcoming Microsoft Java Virtual Machine Transition Guide.

Switch to a third-party Java Run-time Environment (JRE). Although Microsoft cannot vouch for the security and reliability of solutions offered by other companies, non-Microsoft solutions are available. Customers choosing to explore such solutions should engage in testing prior to pursuing this migration path.

Microsoft strongly recommends that an IT professional perform a dependency analysis specific to your implementation, regardless of your solution choice. Any solution will require testing, and understanding the range of systems will greatly improve the results of subsequent testing.

Transition and Migration Options for Consumers

There is no immediate call to action for consumers and other non-enterprise users. Microsoft is working to offer such transition options, and updates to address this issue will be available in the future.

Transition and Migration Tools, Utilities, and Solutions

Several tools and utilities to assist customers with their transition and migration plans are available now or are in development:

MSJVM Transition Guide (Draft Version)

This guide walks developers and IT pros through various transition options.

Get the draft version of the MSJVM Transition Guide (476 KB Adobe Acrobat file / 2.3 min @ 28.8 Kbps)

J# Browser Controls (JBC)

J# Browser Controls recompile applets to run on the Microsoft .NET Framework. The beta version is available now; final release is scheduled for late this year.

Get the J# Browser Controls Beta
Java Language Conversion Assistant 2.0 (JLCA)

The JLCA helps convert Java applications to C#.

Get the Java Language Conversion Assistant
Internet Explorer Security Zone Lockdown Solution

As mentioned previously, IT pros can today lock down Internet Explorer security zones to restrict the use of the MSJVM. Additional guidance will be provided in the forthcoming Microsoft Java Virtual Machine Transition Guide.

Diagnostic Tool

A beta version of the Diagnostic Tool for the Microsoft VM, which is designed to help customers understand their MSJVM dependencies, will be released in late 2003.

For More Information

Customer fact sheet on the removal of Java from Microsoft Windows®

Visual J# .NET

MSJVM-related security bulletins