

From: Derek Murman
Sent: Mon, 3/25/2002 10:10 AM
To: Kevin Miller; Ed Wayt, Jeff Bisset; Michael Jerger
Cc: LaVonne Copps
Subject: RE: Another VM Firedrill

One of the problems with the Sun <applet> solution is that it doesn't integrate into the IE UI for things like Security settings and toggling Java Console. If we have trained customers to go to the IE security settings dialog to adjust Java settings, only the MS VM stuff will be there, but it won't have any effect on the 3rd party VM.

-----Original Message-----

From: Kevin Miller
Sent: Monday, March 25, 2002 10:02 AM
To: Ed Wayt, Jeff Bisset; Michael Jerger
Cc: Derek Murman; LaVonne Copps
Subject: Another VM Firedrill
Importance: High

Allchin asked me to send him and BillG a (very) short summary of the options for integrating another VM (IBM, probably) with IE. Here's what I'm thinking of sending. Comments (quickly) please. Thanks

Kev

Technical side:

Quick reminder: applets are the issue directly raised by Sun, but they're totally not the business issue - applets are mostly dead. Applications are where the competition continues, but they're typically directly executed on the downloaded system from the vendor, and so outside this firedrill.

So, focusing on the applet side:

o There are two ways to execute an applet:

§ <applet> tag There is some IE-VM specific special-casing, but slightly over-simplified, the <applet> tag is a special case of the <object> tag, roughly equivalent to <OBJECT classid="clsid:08B0E5C0-4FCB-11CF-AAA5-00401C808501">, where that specific classid refers to the ActiveX control implemented by, and registered to point at, our VM.

§ <object> tag Sun has already shipped a runtime that allows users to call their VM from an html page by using the <object> tag. Obviously this requires change to (all) source html pages, so is of limited use in the real-world.

Date 11-22-02 Exhibit # 1
Case Sun Microsystems vs Microsoft
Deponent Chris Jones
Reporter Kate Knowlton
Naegeli Reporting Corporation
(800) 528-3335 FAX (503) 227-7123

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Plaintiff's Exhibit

8445

Comes V. Microsoft

MS-DEPEX 006170

o Sun is also working on a solution that uses the <applet> tag, which must try to spoof our control. Apparently it doesn't work very well so far, and my guess is that this is what they're complaining about when they say we're forcing them to re-engineer

o A couple of years ago we considered working w/IBM to host their VM in IE. A couple of guys on my team documented the work required to make that happen. It would be fairly straightforward, and further it should be possible to use IE's Install on Demand (IOD) to point to a modified IBM VM and load and execute that when hitting an applet. Ideally, we'd get a couple of smart folks from the IBM VM team to sit down with one of my guys and someone from IE, and they could work out the details in a couple of days

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