

NT-Bugtraq: OpenAFS was first – really Re: SP2 first incompatibility: DivX.

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Source: <http://www.derkeiler.com/Mailing-Lists/NT-Bugtraq/2004-08/0028.html>

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Date: 08/12/04

Date: Thu, 12 Aug 2004 16:57:14 -0400
To: NTBUGTRAQ@LISTSERV.NTBUGTRAQ.COM

Ok. If we are going to start listing incompatibilities then I must point out that OpenAFS.org was provided information on Saturday night regarding the following problem:

* If OpenAFS for Windows version 1.3.66 is installed on a machine when XP SP2 is applied, the machine will not finish booting after the reboot.

The cause of the problem was traced with the help of the Windows Security team to a new restriction on DLL initialization which was added to the Service Pack some time between the July 14th build and the final release.

The restriction is that network operations which open an incoming port may no longer be performed during the PROCESS_ATTACH phase of DLL initialization. Doing so will cause the operation to block indefinitely.

OpenAFS for Windows includes a WinLogon Event Handler DLL and Network Provider DLL which up until the 1.3.70 release on Monday initialized a library during the PROCESS_ATTACH. This library opens a incoming UDP socket for RX communications. With the new restriction in place this causes a deadlock situation when Winlogon.exe executes as the Event Handler DLL cannot finish loading and never fails.

Although the Network Provider DLL initialized in the same fashion, Network Providers are executed asynchronously as a child process to WinLogon.exe. Hence, the functionality of the DLL will fail but it will not interrupt the boot process.

All users of AFS prior to OpenAFS 1.3.70 are urged to upgrade before installing XP SP2. The announcement letter is copied here:

<http://lists.openafs.org/pipermail/openafs-info/2004-August/014424.html>

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OpenAFS for Windows Gatekeeper
Secure Endpoints Inc.

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