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An MS-DOS-based program that uses the MS-DOS protected mode interface crashes on a computer that is running Windows 7

► *Applies To*

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Symptoms

You run an MS-DOS-based program on a computer that is running Windows 7. The program uses the MS-DOS protected mode interface. In this scenario, the program may crash.

Cause

This issue occurs because of a change in the Dosx.exe file in Windows 7.

Resolution

Hotfix information

A supported hotfix is available from Microsoft. However, this hotfix is intended to correct only the problem that is described in this article. Apply this hotfix only to systems that are experiencing the problem described in this article. This hotfix might receive additional testing. Therefore, if you are not severely affected by this problem, we recommend that you wait for the next software update that contains this hotfix.

If the hotfix is available for download, there is a "Hotfix download available" section at the top of this Knowledge Base article. If this section does not appear, contact Microsoft Customer Service and Support to obtain the hotfix.

Note If additional issues occur or if any troubleshooting is required, you might have to create a separate service request. The usual support costs will apply to additional support questions and issues that do not qualify for this specific hotfix. For a complete list of Microsoft Customer Service and Support telephone numbers or to create a separate service request, visit the following Microsoft website:

<http://support.microsoft.com/contactus/?ws=support>Note The "Hotfix download available" form displays the languages for which the hotfix is available. If you do not see your language, it is because a hotfix is not available for that language.

Prerequisites

There are no prerequisites to apply this hotfix.

Registry information

To use the hotfix in this package, you do not have to make any changes to the registry.

Restart requirement

You may have to restart the computer after you apply this hotfix.

Hotfix replacement information

This hotfix does not replace a previously released hotfix.

File information

The global version of this hotfix installs files that have the attributes that are listed in the following tables. The dates and the times for these files are listed in Coordinated Universal Time (UTC). The dates and the times for these files on your local computer are displayed in your local time together with your current daylight saving time (DST) bias. Additionally, the dates and the times may change when you perform certain operations on the files.

Windows 7 file information notes

Important Windows 7 hotfixes and Windows Server 2008 R2 hotfixes are included in the same packages. However, hotfixes on the Hotfix Request page are listed under both operating systems. To request the hotfix package that applies to one or both operating systems, select the hotfix that is listed under "Windows 7/Windows Server 2008 R2" on the page. Always refer to the "Applies To" section in articles to determine the actual operating system that each hotfix applies to.

- The MANIFEST files (.manifest) that are installed for each environment are [listed separately](#) in the "Additional file information for Windows 7" section. MANIFEST files and the associated security catalog (.cat) files, are extremely important to maintain the state of the updated components. The security catalog files, for which the attributes are not listed, are signed with a Microsoft digital signature.

For all supported x86-based versions of Windows 7

File name	File version	File size	Date	Time	Platform
Ansi.sys	Not applicable	9,029	13-Jul-2009	21:40	Not applicable
Append.exe	Not applicable	12,498	13-Jul-2009	21:40	Not applicable
Autoexec.bat	Not applicable	24	10-Jun-2009	21:42	Not applicable
Autoexec.nt	Not applicable	1,688	10-Jun-2009	21:42	Not applicable
Bios1.rom	Not applicable	28,420	10-Jun-2009	21:42	Not applicable

Bios4.rom	Not applicable	8,191	10-Jun-2009	21:42	Not applicable
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Command.com	Not applicable	50,648	13-Jul-2009	21:40	Not applicable
Commdlg.dll	3.10.0.103	32,816	13-Jul-2009	21:41	Not applicable
Config.nt	Not applicable	2,577	10-Jun-2009	21:42	Not applicable
Config.sys	Not applicable	10	10-Jun-2009	21:42	Not applicable
Country.sys	Not applicable	27,097	13-Jul-2009	21:40	Not applicable
Csrstub.exe	6.1.7600.16385	47,616	14-Jul-2009	01:14	x86
Ctl3dv2.dll	2.99.0.0	27,200	10-Jun-2009	21:42	Not applicable
Ddeml.dll	3.50.0.103	39,424	13-Jul-2009	21:41	Not applicable
Debug.exe	Not applicable	20,634	13-Jul-2009	21:40	Not applicable
Dosx.exe	Not applicable	53,600	10-Sep-2010	00:32	Not applicable
Drwatson.exe	3.10.0.103	28,112	13-Jul-2009	21:41	Not applicable
Edit.com	Not applicable	69,886	10-Jun-2009	21:42	Not applicable
Edit.hlp	Not applicable	10,790	10-Jun-2009	21:42	Not applicable
Edlin.exe	Not applicable	12,642	13-Jul-2009	21:40	Not applicable
Ega.cpi	Not applicable	127,213	10-Jun-2009	21:26	Not applicable
Exe2bin.exe	Not applicable	8,424	13-Jul-2009	21:40	Not applicable
Fastopen.exe	Not applicable	882	13-Jul-2009	21:41	Not applicable
Gdi.exe	3.10.0.103	24,576	13-Jul-2009	21:41	Not applicable
Graftabl.com	6.1.7600.16385	58,880	13-Jul-2009	23:20	Not applicable
Graphics.com	Not applicable	19,694	13-Jul-2009	21:41	Not applicable

Graphics.pro	Not applicable	21,232	10-Jun-2009	21:42	Not applicable
Himem.sys	Not applicable	4,768	13-Jul-2009	21:40	Not applicable
Kb16.com	Not applicable	14,710	13-Jul-2009	21:40	Not applicable
Key01.sys	Not applicable	42,809	13-Jul-2009	21:40	Not applicable
Keyboard.drv	3.10.0.103	2,000	13-Jul-2009	21:41	Not applicable
Keyboard.sys	Not applicable	42,537	13-Jul-2009	21:40	Not applicable
Krnl386.exe	3.10.0.103	92,320	13-Jul-2009	21:41	Not applicable
Lanman.drv	2.10.0.1	221,600	10-Jun-2009	21:42	Not applicable
Loadfix.com	Not applicable	1,131	13-Jul-2009	21:40	Not applicable
Lzexpand.dll	3.10.0.103	9,936	10-Jun-2009	21:42	Not applicable
Mem.exe	Not applicable	39,274	13-Jul-2009	21:40	Not applicable
Mmsystem.dll	3.10.0.103	68,992	13-Jul-2009	21:41	Not applicable
Mmtask.tsk	3.10.0.103	1,152	13-Jul-2009	21:41	Not applicable
Mouse.drv	3.10.0.103	2,032	13-Jul-2009	21:41	Not applicable
Mscdexnt.exe	Not applicable	718	13-Jul-2009	21:41	Not applicable
Netapi.dll	3.11.0.300	108,464	10-Jun-2009	21:42	Not applicable
Nlsfunc.exe	Not applicable	7,052	13-Jul-2009	21:40	Not applicable
Ntdos.sys	Not applicable	27,866	13-Jul-2009	21:40	Not applicable
Ntdos404.sys	Not applicable	29,146	13-Jul-2009	21:40	Not applicable
Ntdos411.sys	Not applicable	29,370	13-Jul-2009	21:40	Not applicable
Ntdos412.sys	Not applicable	29,274	13-Jul-2009	21:40	Not applicable
Ntdos804.sys	Not applicable	29,146	13-Jul-2009	21:40	Not applicable

Ntio.sys	Not applicable	33,952	13-Jul-2009	21:40	Not applicable
Ntio404.sys	Not applicable	34,672	13-Jul-2009	21:40	Not applicable
Ntio411.sys	Not applicable	35,776	13-Jul-2009	21:40	Not applicable
Ntio412.sys	Not applicable	35,536	13-Jul-2009	21:40	Not applicable
Ntio804.sys	Not applicable	34,672	13-Jul-2009	21:40	Not applicable
Ntvdm.exe	6.1.7600.20797	526,848	10-Sep-2010	04:30	x86
Ntvdmd.dll	6.1.7600.16385	14,848	14-Jul-2009	01:16	x86
Olecli.dll	1.32.0.0	82,944	10-Jun-2009	21:42	Not applicable
Olesvr.dll	1.11.0.0	24,064	13-Jul-2009	21:41	Not applicable
Pmspl.dll	2.10.0.1	46,592	10-Jun-2009	21:42	Not applicable
Redir.exe	Not applicable	2,842	13-Jul-2009	21:41	Not applicable
Setver.exe	Not applicable	11,753	13-Jul-2009	21:40	Not applicable
Share.exe	Not applicable	882	13-Jul-2009	21:41	Not applicable
Shell.dll	3.10.0.103	5,120	13-Jul-2009	21:41	Not applicable
Sound.driv	3.10.0.103	1,744	13-Jul-2009	21:41	Not applicable
Sysedit.exe	3.10.0.103	18,896	10-Jun-2009	21:42	Not applicable
System.driv	3.10.0.103	3,360	13-Jul-2009	21:41	Not applicable
Timer.driv	3.10.0.103	4,048	13-Jul-2009	21:41	Not applicable
Toolhelp.dll	3.10.0.103	13,888	13-Jul-2009	21:41	Not applicable
User.exe	3.10.0.103	47,840	13-Jul-2009	21:41	Not applicable
V7vga.rom	Not applicable	18,832	10-Jun-2009	21:42	Not applicable
Vdmredir.dll	6.1.7600.16385	19,456	14-Jul-2009	01:16	x86

Ver.dll	3.10.0.103	9,008	10-Jun-2009	21:42	Not applicable
Vga.driv	3.10.0.103	2,176	13-Jul-2009	21:41	Not applicable
Wfwnet.driv	3.10.0.103	12,704	13-Jul-2009	21:41	Not applicable
Wifeman.dll	3.10.0.103	9,216	13-Jul-2009	21:41	Not applicable
Win.com	6.1.7600.16385	6,656	13-Jul-2009	23:20	Not applicable
Win87em.dll	Not applicable	13,312	10-Jun-2009	21:42	Not applicable
Winhelp.exe	3.10.0.425	256,192	10-Jun-2009	21:42	Not applicable
Winnls.dll	3.10.0.103	5,120	13-Jul-2009	21:41	Not applicable
Winoldap.mod	3.10.0.103	2,080	13-Jul-2009	21:41	Not applicable
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Wow32.dll	6.1.7600.16385	282,112	14-Jul-2009	01:16	x86
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Status

Microsoft has confirmed that this is a problem in the Microsoft products that are listed in the "Applies to" section.

More Information

For more information about software update terminology, click the following article number to view the article in the Microsoft Knowledge Base:

[824684](#) Description of the standard terminology that is used to describe Microsoft software updates

Additional file information

Additional file information for Windows 7

Additional files for all supported x86-based versions of Windows 7

File name	X86_44a6461c82035a33ded7458fb12b1b4a_31bf3856ad364e35_6.1.7600.20797_none_02e81db5a098a1ca.manifest
File version	Not applicable
File size	702
Date (UTC)	10-Sep-2010
Time (UTC)	07:57
Platform	Not applicable
File name	X86_85cc7df73337a340a9f144a2fa83e7d6_31bf3856ad364e35_7.1.7600.20797_none_7b5928c56a80d6e0.manifest
File version	Not applicable
File size	702
Date (UTC)	10-Sep-2010
Time (UTC)	07:57
Platform	Not applicable
File name	X86_microsoft-windows-ntvdm-system32_31bf3856ad364e35_6.1.7600.20797_none_fe64a262ed0552eb.manifest
File version	Not applicable
File size	111,067
Date (UTC)	10-Sep-2010
Time (UTC)	07:57
Platform	Not applicable

File name	X86_microsoft-windows-ntvdm-system32_31bf3856ad364e35_7.1.7600.20797_none_efd51ea877ebfbba.manifest
File version	Not applicable
File size	110,059
Date (UTC)	10-Sep-2010
Time (UTC)	07:57
Platform	Not applicable

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- [Microsoft 365 training](#)
- [Microsoft security](#)
- [Accessibility center](#)

Ces informations vous ont-elles été utiles ?

Oui

Non

Nouveautés	Microsoft Store	Éducation
Surface Pro	Profil du compte	Microsoft Éducation
Surface Laptop	Centre de téléchargement	Appareils pour l’enseignement
Surface Laptop Studio 2	Support du Microsoft Store	Microsoft Teams pour l’éducation
Surface Laptop Go 3	Retours	Microsoft 365 Éducation
Microsoft Copilot	Suivi des commandes	Office Éducation
Microsoft 365	Recycler	Formation et développement des enseignants
Découvrir les produits Microsoft	Garanties	Offres pour étudiants et parents
Applications Windows 11		Azure pour les étudiants

Entreprises

Microsoft Cloud

Sécurité Microsoft

Azure

Dynamics 365

Microsoft 365

Microsoft 365 Copilot

Microsoft Teams

TPE & PME

Développeur et IT

Centre pour les développeurs

Documentation

Microsoft Learn

Microsoft Tech Community

Place de marché Azure

AppSource

Microsoft Power Platform

Visual Studio

Société


Emploi

Actualités de la société

Confidentialité chez Microsoft

Investisseurs

Durabilité

 Français (France)

 Vos choix de confidentialité

Confidentialité de l'intégrité des consommateurs

Contacter Microsoft

Gérer ou annuler l'abonnement

Mentions légales et Informations consommateurs

Confidentialité

Conditions d'utilisation

Conditions générales de vente

Marques

À propos de nos annonces

EU Compliance DoCs

Accessibilité

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