

Update for Universal C Runtime in Windows

This article describes an update for Universal C Runtime (CRT) in Windows. Before you install this update, check out the [prerequisites](#) section.

About this update

The Windows 10 Universal CRT is a Windows operating system component that enables CRT functionality on the Windows operating system. This update allows Windows desktop applications that depend on the Windows 10 Universal CRT release to run on earlier Windows operating systems.

Microsoft Visual Studio 2015 creates a dependency on the Universal CRT when applications are built by using the [Windows 10 Software Development Kit \(SDK\)](#). You can install this update on earlier Windows operating systems to enable these applications to run correctly.

This update applies to the following operating systems:

- Windows Server 2012 R2
- Windows 8.1
- Windows RT 8.1
- Windows Server 2012
- Windows 8
- Windows RT
- Windows Server 2008 R2 Service Pack 1 (SP1)
- Windows 7 SP1
- Windows Server 2008 Service Pack 2 (SP2)
- Windows Vista SP2

How to obtain this update

Method 1: Windows Update

This update is available from Windows Update. For more information about how to run Windows Update, see [How to get an update through Windows Update](#).


Method 2: Microsoft Download Center













The following files are available for download from the Microsoft Download Center.

Operating system

Update

All supported x86-based versions of Windows 8.1

 [Download the package now.](#)

All supported x64-based versions of Windows 8.1	 Download the package now.
All supported x64-based versions of Windows Server 2012 R2	 Download the package now.
All supported x86-based versions of Windows 8	 Download the package now.
All supported x64-based versions of Windows 8	 Download the package now.
All supported x64-based versions of Windows Server 2012	 Download the package now.
All supported x86-based versions of Windows 7	 Download the package now.
All supported x64-based versions of Windows 7	 Download the package now.
All supported x64-based versions of Windows Server 2008 R2	 Download the package now.
All supported x86-based versions of Windows Vista	 Download the package now.
All supported x64-based versions of Windows Vista	 Download the package now.
All supported x86-based versions of Windows Server 2008	 Download the package now.
All supported x64-based versions of Windows Server 2008	 Download the package now.

Note The update for Windows RT 8.1 or Windows RT can be downloaded only from Windows Update.

For more information about how to download Microsoft support files, click the following article number to view the article in the Microsoft Knowledge Base:

[119591](#) How to obtain Microsoft support files from online services

Microsoft scanned this file for viruses. Microsoft used the most current virus-detection software that was available on the date that the file was posted. The file is stored on security-enhanced servers that help prevent any unauthorized changes to the file.

Update detail information

Prerequisites

To install this update, you must have [April 2014 update rollup for Windows RT 8.1, Windows 8.1, and Windows Server 2012 R2 \(2919355\)](#) installed in Windows 8.1 or Windows Server 2012 R2. Or, install [Service Pack 1 for Windows 7 or Windows Server 2008 R2](#). Or, install [Service Pack 2 for Windows Vista and for Windows Server 2008](#).

Registry information

To apply this update, you don't have to make any changes to the registry.

Restart requirement

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

Update replacement information

This update doesn't replace a previously released update.

File information

The global version of this update 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 8.1 and Windows Server 2012 R2 file information and note

The MANIFEST files (.manifest) and the MUM files (.mum) that are installed for each environment are [listed separately](#) in the "Additional file information for Windows 8.1 and for Windows Server 2012 R2" section. MUM, MANIFEST, and the associated security catalog (.cat) files, are very 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 8.1

File name	File version	File size	Date	Time	Platform
Api-ms-win-crt-conio-l1-1-0.dll	10.0.10240.16390	12,640	22-Aug-2015	13:42	x86
Api-ms-win-crt-convert-l1-1-0.dll	10.0.10240.16390	15,712	22-Aug-2015	13:42	x86
Api-ms-win-crt-environment-l1-1-0.dll	10.0.10240.16390	12,128	22-Aug-2015	13:42	x86
Api-ms-win-crt-filestream-l1-1-0.dll	10.0.10240.16390	13,664	22-Aug-2015	13:42	x86
Api-ms-win-crt-heap-l1-1-0.dll	10.0.10240.16390	12,640	22-Aug-2015	13:42	x86
Api-ms-win-crt-locale-l1-1-0.dll	10.0.10240.16390	12,128	22-Aug-2015	13:42	x86
Api-ms-win-crt-math-l1-1-0.dll	10.0.10240.16390	22,368	22-Aug-2015	13:42	x86
Api-ms-win-crt-multibyte-l1-1-0.dll	10.0.10240.16390	19,808	22-Aug-2015	13:42	x86
Api-ms-win-crt-private-l1-1-0.dll	10.0.10240.16390	66,400	22-Aug-2015	13:42	x86
Api-ms-win-crt-process-l1-1-0.dll	10.0.10240.16390	12,640	22-Aug-2015	13:42	x86
Api-ms-win-crt-runtime-l1-1-0.dll	10.0.10240.16390	16,224	22-Aug-2015	13:42	x86
Api-ms-win-crt-stdio-l1-1-0.dll	10.0.10240.16390	17,760	22-Aug-2015	13:42	x86
Api-ms-win-crt-string-l1-1-0.dll	10.0.10240.16390	17,760	22-Aug-2015	13:42	x86
Api-ms-win-crt-time-l1-1-0.dll	10.0.10240.16390	14,176	22-Aug-2015	13:42	x86
Api-ms-win-crt-utility-l1-1-0.dll	10.0.10240.16390	12,128	22-Aug-2015	13:42	x86
Ucrtdbase.dll	10.0.10240.16390	901,264	22-Aug-2015	13:42	x86

For all supported x64-based versions of Windows 8.1 and of Windows Server 2012 R2

File name	File version	File size	Date	Time	Platform
Api-ms-win-crt-conio-l1-1-0.dll	10.0.10240.16390	12,640	22-Aug-2015	13:35	x64

Api-ms-win-crt-convert-l1-1-0.dll	10.0.10240.16390	15,712	22-Aug-2015	13:35	x64
Api-ms-win-crt-environment-l1-1-0.dll	10.0.10240.16390	12,128	22-Aug-2015	13:35	x64
Api-ms-win-crt-filesystem-l1-1-0.dll	10.0.10240.16390	13,664	22-Aug-2015	13:35	x64
Api-ms-win-crt-heap-l1-1-0.dll	10.0.10240.16390	12,640	22-Aug-2015	13:35	x64
Api-ms-win-crt-locale-l1-1-0.dll	10.0.10240.16390	12,128	22-Aug-2015	13:35	x64
Api-ms-win-crt-math-l1-1-0.dll	10.0.10240.16390	20,832	22-Aug-2015	13:35	x64
Api-ms-win-crt-multibyte-l1-1-0.dll	10.0.10240.16390	19,808	22-Aug-2015	13:35	x64
Api-ms-win-crt-private-l1-1-0.dll	10.0.10240.16390	63,840	22-Aug-2015	13:35	x64
Api-ms-win-crt-process-l1-1-0.dll	10.0.10240.16390	12,640	22-Aug-2015	13:35	x64
Api-ms-win-crt-runtime-l1-1-0.dll	10.0.10240.16390	16,224	22-Aug-2015	13:35	x64
Api-ms-win-crt-stdio-l1-1-0.dll	10.0.10240.16390	17,760	22-Aug-2015	13:35	x64
Api-ms-win-crt-string-l1-1-0.dll	10.0.10240.16390	17,760	22-Aug-2015	13:35	x64
Api-ms-win-crt-time-l1-1-0.dll	10.0.10240.16390	14,176	22-Aug-2015	13:35	x64
Api-ms-win-crt-utility-l1-1-0.dll	10.0.10240.16390	12,128	22-Aug-2015	13:35	x64
Ucrtdbase.dll	10.0.10240.16390	984,448	22-Aug-2015	13:35	x64
Api-ms-win-crt-conio-l1-1-0.dll	10.0.10240.16390	12,640	22-Aug-2015	13:42	x86
Api-ms-win-crt-convert-l1-1-0.dll	10.0.10240.16390	15,712	22-Aug-2015	13:42	x86
Api-ms-win-crt-environment-l1-1-0.dll	10.0.10240.16390	12,128	22-Aug-2015	13:42	x86
Api-ms-win-crt-filesystem-l1-1-0.dll	10.0.10240.16390	13,664	22-Aug-2015	13:42	x86
Api-ms-win-crt-heap-l1-1-0.dll	10.0.10240.16390	12,640	22-Aug-2015	13:42	x86
Api-ms-win-crt-locale-l1-1-0.dll	10.0.10240.16390	12,128	22-Aug-2015	13:42	x86
Api-ms-win-crt-math-l1-1-0.dll	10.0.10240.16390	22,368	22-Aug-2015	13:42	x86

Api-ms-win-crt-multibyte-l1-1-0.dll	10.0.10240.16390	19,808	22-Aug-2015	13:42	x86
Api-ms-win-crt-private-l1-1-0.dll	10.0.10240.16390	66,400	22-Aug-2015	13:42	x86
Api-ms-win-crt-process-l1-1-0.dll	10.0.10240.16390	12,640	22-Aug-2015	13:42	x86
Api-ms-win-crt-runtime-l1-1-0.dll	10.0.10240.16390	16,224	22-Aug-2015	13:42	x86
Api-ms-win-crt-stdio-l1-1-0.dll	10.0.10240.16390	17,760	22-Aug-2015	13:42	x86
Api-ms-win-crt-string-l1-1-0.dll	10.0.10240.16390	17,760	22-Aug-2015	13:42	x86
Api-ms-win-crt-time-l1-1-0.dll	10.0.10240.16390	14,176	22-Aug-2015	13:42	x86
Api-ms-win-crt-utility-l1-1-0.dll	10.0.10240.16390	12,128	22-Aug-2015	13:42	x86
Ucrtdbase.dll	10.0.10240.16390	901,264	22-Aug-2015	13:42	x86

For all supported Windows RT 8.1

File name	File version	File size	Date	Time	Platform
Api-ms-win-crt-conio-l1-1-0.dll	10.0.10240.16390	20,848	22-Aug-2015	13:35	Not applicable
Api-ms-win-crt-convert-l1-1-0.dll	10.0.10240.16390	24,944	22-Aug-2015	13:35	Not applicable
Api-ms-win-crt-environment-l1-1-0.dll	10.0.10240.16390	20,848	22-Aug-2015	13:35	Not applicable
Api-ms-win-crt-filestream-l1-1-0.dll	10.0.10240.16390	20,848	22-Aug-2015	13:35	Not applicable
Api-ms-win-crt-heap-l1-1-0.dll	10.0.10240.16390	20,848	22-Aug-2015	13:35	Not applicable
Api-ms-win-crt-locale-l1-1-0.dll	10.0.10240.16390	20,848	22-Aug-2015	13:35	Not applicable
Api-ms-win-crt-math-l1-1-0.dll	10.0.10240.16390	29,040	22-Aug-2015	13:35	Not applicable
Api-ms-win-crt-multibyte-l1-1-0.dll	10.0.10240.16390	29,032	22-Aug-2015	13:35	Not applicable
Api-ms-win-crt-private-l1-1-0.dll	10.0.10240.16390	70,000	22-Aug-2015	13:35	Not applicable
Api-ms-win-crt-process-l1-1-0.dll	10.0.10240.16390	20,848	22-Aug-2015	13:35	Not applicable
Api-ms-win-crt-runtime-	10.0.10240.16390	24,944	22-Aug-2015	13:35	Not

I1-1-0.dll						applicable
Api-ms-win-crt-stdio-l1-1-0.dll	10.0.10240.16390	24,944	22-Aug-2015	13:35		Not applicable
Api-ms-win-crt-string-l1-1-0.dll	10.0.10240.16390	24,944	22-Aug-2015	13:35		Not applicable
Api-ms-win-crt-time-l1-1-0.dll	10.0.10240.16390	20,840	22-Aug-2015	13:35		Not applicable
Api-ms-win-crt-utility-l1-1-0.dll	10.0.10240.16390	20,848	22-Aug-2015	13:35		Not applicable
Ucrtdbase.dll	10.0.10240.16390	690,448	22-Aug-2015	13:35		Not applicable

Windows 8 and Windows Server 2012 file information and note

The MANIFEST files (.manifest) and the MUM files (.mum) that are installed for each environment are [listed separately](#) in the "Additional file information for Windows 8 and for Windows Server 2012" section. MUM, MANIFEST, and the associated security catalog (.cat) files, are very 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 8

File name	File version	File size	Date	Time	Platform
Api-ms-win-core-xstate-l2-1-0.dll	10.0.10240.16390	11,616	22-Jul-2015	22:09	x86
Api-ms-win-crt-conio-l1-1-0.dll	10.0.10240.16390	12,640	22-Jul-2015	22:09	x86
Api-ms-win-crt-convert-l1-1-0.dll	10.0.10240.16390	15,712	22-Jul-2015	22:09	x86
Api-ms-win-crt-environment-l1-1-0.dll	10.0.10240.16390	12,128	22-Jul-2015	22:09	x86
Api-ms-win-crt-filestream-l1-1-0.dll	10.0.10240.16390	13,664	22-Jul-2015	22:09	x86
Api-ms-win-crt-heap-l1-1-0.dll	10.0.10240.16390	12,640	22-Jul-2015	22:09	x86
Api-ms-win-crt-locale-l1-1-0.dll	10.0.10240.16390	12,128	22-Jul-2015	22:09	x86
Api-ms-win-crt-math-l1-1-0.dll	10.0.10240.16390	22,368	22-Jul-2015	22:09	x86
Api-ms-win-crt-multibyte-l1-1-0.dll	10.0.10240.16390	19,808	22-Jul-2015	22:09	x86
Api-ms-win-crt-private-l1-1-0.dll	10.0.10240.16390	66,400	22-Jul-2015	22:09	x86
Api-ms-win-crt-process-l1-1-0.dll	10.0.10240.16390	12,640	22-Jul-2015	22:09	x86
Api-ms-win-crt-runtime-l1-1-0.dll	10.0.10240.16390	16,224	22-Jul-2015	22:09	x86

Api-ms-win-crt-stdio-l1-1-0.dll	10.0.10240.16390	17,760	22-Jul-2015	22:09	x86
Api-ms-win-crt-string-l1-1-0.dll	10.0.10240.16390	17,760	22-Jul-2015	22:09	x86
Api-ms-win-crt-time-l1-1-0.dll	10.0.10240.16390	14,176	22-Jul-2015	22:09	x86
Api-ms-win-crt-utility-l1-1-0.dll	10.0.10240.16390	12,128	22-Jul-2015	22:09	x86
Api-ms-win-eventing-provider-l1-1-0.dll	10.0.10240.16390	11,616	22-Jul-2015	22:09	x86
Api-ms-win-core-xstate-l2-1-0.dll	10.0.10240.16390	11,616	20-Jul-2015	22:09	x86
Api-ms-win-crt-conio-l1-1-0.dll	10.0.10240.16390	12,640	20-Jul-2015	22:09	x86
Api-ms-win-crt-convert-l1-1-0.dll	10.0.10240.16390	15,712	20-Jul-2015	22:09	x86
Api-ms-win-crt-environment-l1-1-0.dll	10.0.10240.16390	12,128	20-Jul-2015	22:09	x86
Api-ms-win-crt-fileSYSTEM-l1-1-0.dll	10.0.10240.16390	13,664	20-Jul-2015	22:09	x86
Api-ms-win-crt-heap-l1-1-0.dll	10.0.10240.16390	12,640	20-Jul-2015	22:09	x86
Api-ms-win-crt-locale-l1-1-0.dll	10.0.10240.16390	12,128	20-Jul-2015	22:09	x86
Api-ms-win-crt-math-l1-1-0.dll	10.0.10240.16390	22,368	20-Jul-2015	22:09	x86
Api-ms-win-crt-multibyte-l1-1-0.dll	10.0.10240.16390	19,808	20-Jul-2015	22:09	x86
Api-ms-win-crt-private-l1-1-0.dll	10.0.10240.16390	66,400	20-Jul-2015	22:09	x86
Api-ms-win-crt-process-l1-1-0.dll	10.0.10240.16390	12,640	20-Jul-2015	22:09	x86
Api-ms-win-crt-runtime-l1-1-0.dll	10.0.10240.16390	16,224	20-Jul-2015	22:09	x86
Api-ms-win-crt-stdio-l1-1-0.dll	10.0.10240.16390	17,760	20-Jul-2015	22:09	x86
Api-ms-win-crt-string-l1-1-0.dll	10.0.10240.16390	17,760	20-Jul-2015	22:09	x86
Api-ms-win-crt-time-l1-1-0.dll	10.0.10240.16390	14,176	20-Jul-2015	22:09	x86
Api-ms-win-crt-utility-l1-1-0.dll	10.0.10240.16390	12,128	20-Jul-2015	22:09	x86
Api-ms-win-eventing-provider-l1-1-0.dll	10.0.10240.16390	11,616	20-Jul-2015	22:09	x86
Ucrtdbase.dll	10.0.10240.16390	901,264	22-Jul-2015	22:09	x86
Ucrtdbase.dll	10.0.10240.16390	901,264	20-Jul-2015	22:09	x86

For all supported x64-based versions of Windows 8 and of Windows Server 2012

File name	File version	File size	Date	Time	Platform
Api-ms-win-core-xstate-l2-1-0.dll	10.0.10240.16390	11,616	22-Jul-2015	22:09	x64
Api-ms-win-crt-conio-l1-1-0.dll	10.0.10240.16390	12,640	22-Jul-2015	22:09	x64
Api-ms-win-crt-convert-l1-1-0.dll	10.0.10240.16390	15,712	22-Jul-2015	22:09	x64
Api-ms-win-crt-environment-l1-1-0.dll	10.0.10240.16390	12,128	22-Jul-2015	22:09	x64
Api-ms-win-crt-filessystem-l1-1-0.dll	10.0.10240.16390	13,664	22-Jul-2015	22:09	x64
Api-ms-win-crt-heap-l1-1-0.dll	10.0.10240.16390	12,640	22-Jul-2015	22:09	x64
Api-ms-win-crt-locale-l1-1-0.dll	10.0.10240.16390	12,128	22-Jul-2015	22:09	x64
Api-ms-win-crt-math-l1-1-0.dll	10.0.10240.16390	20,832	22-Jul-2015	22:09	x64
Api-ms-win-crt-multibyte-l1-1-0.dll	10.0.10240.16390	19,808	22-Jul-2015	22:09	x64
Api-ms-win-crt-private-l1-1-0.dll	10.0.10240.16390	63,840	22-Jul-2015	22:09	x64
Api-ms-win-crt-process-l1-1-0.dll	10.0.10240.16390	12,640	22-Jul-2015	22:09	x64
Api-ms-win-crt-runtime-l1-1-0.dll	10.0.10240.16390	16,224	22-Jul-2015	22:09	x64
Api-ms-win-crt-stdio-l1-1-0.dll	10.0.10240.16390	17,760	22-Jul-2015	22:09	x64
Api-ms-win-crt-string-l1-1-0.dll	10.0.10240.16390	17,760	22-Jul-2015	22:09	x64
Api-ms-win-crt-time-l1-1-0.dll	10.0.10240.16390	14,176	22-Jul-2015	22:09	x64
Api-ms-win-crt-utility-l1-1-0.dll	10.0.10240.16390	12,128	22-Jul-2015	22:09	x64
Api-ms-win-eventing-provider-l1-1-0.dll	10.0.10240.16390	11,616	22-Jul-2015	22:09	x64
Api-ms-win-core-xstate-l2-1-0.dll	10.0.10240.16390	11,616	20-Jul-2015	22:09	x64
Api-ms-win-crt-conio-l1-1-0.dll	10.0.10240.16390	12,640	20-Jul-2015	22:09	x64
Api-ms-win-crt-convert-l1-1-0.dll	10.0.10240.16390	15,712	20-Jul-2015	22:09	x64
Api-ms-win-crt-environment-l1-1-0.dll	10.0.10240.16390	12,128	20-Jul-2015	22:09	x64
Api-ms-win-crt-filessystem-l1-1-0.dll	10.0.10240.16390	13,664	20-Jul-2015	22:09	x64

Api-ms-win-crt-heap-l1-1-0.dll	10.0.10240.16390	12,640	20-Jul-2015	22:09	x64
Api-ms-win-crt-locale-l1-1-0.dll	10.0.10240.16390	12,128	20-Jul-2015	22:09	x64
Api-ms-win-crt-math-l1-1-0.dll	10.0.10240.16390	20,832	20-Jul-2015	22:09	x64
Api-ms-win-crt-multibyte-l1-1-0.dll	10.0.10240.16390	19,808	20-Jul-2015	22:09	x64
Api-ms-win-crt-private-l1-1-0.dll	10.0.10240.16390	63,840	20-Jul-2015	22:09	x64
Api-ms-win-crt-process-l1-1-0.dll	10.0.10240.16390	12,640	20-Jul-2015	22:09	x64
Api-ms-win-crt-runtime-l1-1-0.dll	10.0.10240.16390	16,224	20-Jul-2015	22:09	x64
Api-ms-win-crt-stdio-l1-1-0.dll	10.0.10240.16390	17,760	20-Jul-2015	22:09	x64
Api-ms-win-crt-string-l1-1-0.dll	10.0.10240.16390	17,760	20-Jul-2015	22:09	x64
Api-ms-win-crt-time-l1-1-0.dll	10.0.10240.16390	14,176	20-Jul-2015	22:09	x64
Api-ms-win-crt-utility-l1-1-0.dll	10.0.10240.16390	12,128	20-Jul-2015	22:09	x64
Api-ms-win-eventing-provider-l1-1-0.dll	10.0.10240.16390	11,616	20-Jul-2015	22:09	x64
Ucrtdbase.dll	10.0.10240.16390	984,448	22-Jul-2015	22:09	x64
Ucrtdbase.dll	10.0.10240.16390	984,448	20-Jul-2015	22:09	x64
Api-ms-win-core-xstate-l2-1-0.dll	10.0.10240.16390	11,616	22-Jul-2015	22:09	x86
Api-ms-win-crt-conio-l1-1-0.dll	10.0.10240.16390	12,640	22-Jul-2015	22:09	x86
Api-ms-win-crt-convert-l1-1-0.dll	10.0.10240.16390	15,712	22-Jul-2015	22:09	x86
Api-ms-win-crt-environment-l1-1-0.dll	10.0.10240.16390	12,128	22-Jul-2015	22:09	x86
Api-ms-win-crt-filestream-l1-1-0.dll	10.0.10240.16390	13,664	22-Jul-2015	22:09	x86
Api-ms-win-crt-heap-l1-1-0.dll	10.0.10240.16390	12,640	22-Jul-2015	22:09	x86
Api-ms-win-crt-locale-l1-1-0.dll	10.0.10240.16390	12,128	22-Jul-2015	22:09	x86
Api-ms-win-crt-math-l1-1-0.dll	10.0.10240.16390	22,368	22-Jul-2015	22:09	x86
Api-ms-win-crt-multibyte-l1-1-0.dll	10.0.10240.16390	19,808	22-Jul-2015	22:09	x86
Api-ms-win-crt-private-l1-1-0.dll	10.0.10240.16390	66,400	22-Jul-2015	22:09	x86

Api-ms-win-crt-process-l1-1-0.dll	10.0.10240.16390	12,640	22-Jul-2015	22:09	x86
Api-ms-win-crt-runtime-l1-1-0.dll	10.0.10240.16390	16,224	22-Jul-2015	22:09	x86
Api-ms-win-crt-stdio-l1-1-0.dll	10.0.10240.16390	17,760	22-Jul-2015	22:09	x86
Api-ms-win-crt-string-l1-1-0.dll	10.0.10240.16390	17,760	22-Jul-2015	22:09	x86
Api-ms-win-crt-time-l1-1-0.dll	10.0.10240.16390	14,176	22-Jul-2015	22:09	x86
Api-ms-win-crt-utility-l1-1-0.dll	10.0.10240.16390	12,128	22-Jul-2015	22:09	x86
Api-ms-win-eventing-provider-l1-1-0.dll	10.0.10240.16390	11,616	22-Jul-2015	22:09	x86
Api-ms-win-core-xstate-l2-1-0.dll	10.0.10240.16390	11,616	20-Jul-2015	22:09	x86
Api-ms-win-crt-conio-l1-1-0.dll	10.0.10240.16390	12,640	20-Jul-2015	22:09	x86
Api-ms-win-crt-convert-l1-1-0.dll	10.0.10240.16390	15,712	20-Jul-2015	22:09	x86
Api-ms-win-crt-environment-l1-1-0.dll	10.0.10240.16390	12,128	20-Jul-2015	22:09	x86
Api-ms-win-crt-filestream-l1-1-0.dll	10.0.10240.16390	13,664	20-Jul-2015	22:09	x86
Api-ms-win-crt-heap-l1-1-0.dll	10.0.10240.16390	12,640	20-Jul-2015	22:09	x86
Api-ms-win-crt-locale-l1-1-0.dll	10.0.10240.16390	12,128	20-Jul-2015	22:09	x86
Api-ms-win-crt-math-l1-1-0.dll	10.0.10240.16390	22,368	20-Jul-2015	22:09	x86
Api-ms-win-crt-multibyte-l1-1-0.dll	10.0.10240.16390	19,808	20-Jul-2015	22:09	x86
Api-ms-win-crt-private-l1-1-0.dll	10.0.10240.16390	66,400	20-Jul-2015	22:09	x86
Api-ms-win-crt-process-l1-1-0.dll	10.0.10240.16390	12,640	20-Jul-2015	22:09	x86
Api-ms-win-crt-runtime-l1-1-0.dll	10.0.10240.16390	16,224	20-Jul-2015	22:09	x86
Api-ms-win-crt-stdio-l1-1-0.dll	10.0.10240.16390	17,760	20-Jul-2015	22:09	x86
Api-ms-win-crt-string-l1-1-0.dll	10.0.10240.16390	17,760	20-Jul-2015	22:09	x86
Api-ms-win-crt-time-l1-1-0.dll	10.0.10240.16390	14,176	20-Jul-2015	22:09	x86
Api-ms-win-crt-utility-l1-1-0.dll	10.0.10240.16390	12,128	20-Jul-2015	22:09	x86
Api-ms-win-eventing-provider-l1-1-0.dll	10.0.10240.16390	11,616	20-Jul-2015	22:09	x86

l1-1-0.dll

Ucrtbase.dll	10.0.10240.16390	901,264	22-Jul-2015	22:09	x86
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Ucrtbase.dll	10.0.10240.16390	901,264	20-Jul-2015	22:09	x86
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For all supported Windows RT

File name	File version	File size	Date	Time	Platform
Api-ms-win-core-xstate-l2-1-0.dll	10.0.10240.16390	20,824	17-Aug-2015	13:56	Not applicable
Api-ms-win-crt-conio-l1-1-0.dll	10.0.10240.16390	20,848	25-Jul-2015	13:09	Not applicable
Api-ms-win-crt-convert-l1-1-0.dll	10.0.10240.16390	24,944	25-Jul-2015	13:09	Not applicable
Api-ms-win-crt-environment-l1-1-0.dll	10.0.10240.16390	20,848	25-Jul-2015	13:09	Not applicable
Api-ms-win-crt-filestream-l1-1-0.dll	10.0.10240.16390	20,848	25-Jul-2015	13:09	Not applicable
Api-ms-win-crt-heap-l1-1-0.dll	10.0.10240.16390	20,848	25-Jul-2015	13:09	Not applicable
Api-ms-win-crt-locale-l1-1-0.dll	10.0.10240.16390	20,848	25-Jul-2015	13:09	Not applicable
Api-ms-win-crt-math-l1-1-0.dll	10.0.10240.16390	29,040	25-Jul-2015	13:09	Not applicable
Api-ms-win-crt-multibyte-l1-1-0.dll	10.0.10240.16390	29,032	25-Jul-2015	13:09	Not applicable
Api-ms-win-crt-private-l1-1-0.dll	10.0.10240.16390	70,000	25-Jul-2015	13:09	Not applicable
Api-ms-win-crt-process-l1-1-0.dll	10.0.10240.16390	20,848	25-Jul-2015	13:09	Not applicable
Api-ms-win-crt-runtime-l1-1-0.dll	10.0.10240.16390	24,944	25-Jul-2015	13:09	Not applicable
Api-ms-win-crt-stdio-l1-1-0.dll	10.0.10240.16390	24,944	25-Jul-2015	13:09	Not applicable
Api-ms-win-crt-string-l1-1-0.dll	10.0.10240.16390	24,944	25-Jul-2015	13:09	Not applicable
Api-ms-win-crt-time-l1-1-0.dll	10.0.10240.16390	20,840	25-Jul-2015	13:09	Not applicable
Api-ms-win-crt-utility-l1-1-0.dll	10.0.10240.16390	20,848	25-Jul-2015	13:09	Not applicable
Api-ms-win-eventing-	10.0.10240.16390	20,848	25-Jul-2015	13:09	Not

provider-l1-1-0.dll					applicable
Ucrtbase.dll	10.0.10240.16390	690,448	25-Jul-2015	13:09	Not applicable

Windows 7 and Windows Server 2008 R2 file information and note

The MANIFEST files (.manifest) and the MUM files (.mum) that are installed for each environment are [listed separately](#) in the "Additional file information for Windows 7 and for Windows Server 2008 R2" section. MUM, MANIFEST, and the associated security catalog (.cat) files, are very 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
Api-ms-win-core-file-l1-2-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:08	x86
Api-ms-win-core-file-l2-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:08	x86
Api-ms-win-core-localization-l1-2-0.dll	10.0.10240.16390	14,176	18-Jul-2015	13:08	x86
Api-ms-win-core-processthreads-l1-1-1.dll	10.0.10240.16390	12,128	18-Jul-2015	13:08	x86
Api-ms-win-core-synch-l1-2-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:08	x86
Api-ms-win-core-timezone-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:08	x86
Api-ms-win-core-xstate-l2-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:08	x86
Api-ms-win-crt-conio-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:08	x86
Api-ms-win-crt-convert-l1-1-0.dll	10.0.10240.16390	15,712	18-Jul-2015	13:08	x86
Api-ms-win-crt-environment-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:08	x86
Api-ms-win-crt-file-system-l1-1-0.dll	10.0.10240.16390	13,664	18-Jul-2015	13:08	x86
Api-ms-win-crt-heap-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:08	x86
Api-ms-win-crt-locale-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:08	x86
Api-ms-win-crt-math-l1-1-0.dll	10.0.10240.16390	22,368	18-Jul-2015	13:08	x86
Api-ms-win-crt-multibyte-l1-1-0.dll	10.0.10240.16390	19,808	18-Jul-2015	13:08	x86
Api-ms-win-crt-private-l1-1-0.dll	10.0.10240.16390	66,400	18-Jul-2015	13:08	x86
Api-ms-win-crt-process-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:08	x86

Api-ms-win-crt-runtime-l1-1-0.dll	10.0.10240.16390	16,224	18-Jul-2015	13:08	x86
Api-ms-win-crt-stdio-l1-1-0.dll	10.0.10240.16390	17,760	18-Jul-2015	13:08	x86
Api-ms-win-crt-string-l1-1-0.dll	10.0.10240.16390	17,760	18-Jul-2015	13:08	x86
Api-ms-win-crt-time-l1-1-0.dll	10.0.10240.16390	14,176	18-Jul-2015	13:08	x86
Api-ms-win-crt-utility-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:08	x86
Api-ms-win-eventing-provider-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:08	x86
Api-ms-win-core-file-l1-2-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:08	x86
Api-ms-win-core-file-l2-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:08	x86
Api-ms-win-core-localization-l1-2-0.dll	10.0.10240.16390	14,176	18-Jul-2015	13:08	x86
Api-ms-win-core-processthreads-l1-1-1.dll	10.0.10240.16390	12,128	18-Jul-2015	13:08	x86
Api-ms-win-core-synch-l1-2-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:08	x86
Api-ms-win-core-timezone-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:08	x86
Api-ms-win-core-xstate-l2-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:08	x86
Api-ms-win-crt-conio-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:08	x86
Api-ms-win-crt-convert-l1-1-0.dll	10.0.10240.16390	15,712	18-Jul-2015	13:08	x86
Api-ms-win-crt-environment-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:08	x86
Api-ms-win-crt-filestream-l1-1-0.dll	10.0.10240.16390	13,664	18-Jul-2015	13:08	x86
Api-ms-win-crt-heap-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:08	x86
Api-ms-win-crt-locale-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:08	x86
Api-ms-win-crt-math-l1-1-0.dll	10.0.10240.16390	22,368	18-Jul-2015	13:08	x86
Api-ms-win-crt-multibyte-l1-1-0.dll	10.0.10240.16390	19,808	18-Jul-2015	13:08	x86
Api-ms-win-crt-private-l1-1-0.dll	10.0.10240.16390	66,400	18-Jul-2015	13:08	x86
Api-ms-win-crt-process-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:08	x86

Api-ms-win-crt-runtime-l1-1-0.dll	10.0.10240.16390	16,224	18-Jul-2015	13:08	x86
Api-ms-win-crt-stdio-l1-1-0.dll	10.0.10240.16390	17,760	18-Jul-2015	13:08	x86
Api-ms-win-crt-string-l1-1-0.dll	10.0.10240.16390	17,760	18-Jul-2015	13:08	x86
Api-ms-win-crt-time-l1-1-0.dll	10.0.10240.16390	14,176	18-Jul-2015	13:08	x86
Api-ms-win-crt-utility-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:08	x86
Api-ms-win-eventing-provider-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:08	x86
Ucrtdbase.dll	10.0.10240.16390	901,264	18-Jul-2015	13:08	x86
Ucrtdbase.dll	10.0.10240.16390	901,264	18-Jul-2015	13:08	x86

For all supported x64-based versions of Windows 7 and of Windows Server 2008 R2

File name	File version	File size	Date	Time	Platform
Api-ms-win-core-file-l1-2-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:08	x64
Api-ms-win-core-file-l2-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:08	x64
Api-ms-win-core-localization-l1-2-0.dll	10.0.10240.16390	14,176	18-Jul-2015	13:08	x64
Api-ms-win-core-processthreads-l1-1-1.dll	10.0.10240.16390	12,128	18-Jul-2015	13:08	x64
Api-ms-win-core-synch-l1-2-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:08	x64
Api-ms-win-core-timezone-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:08	x64
Api-ms-win-core-xstate-l2-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:08	x64
Api-ms-win-crt-conio-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:08	x64
Api-ms-win-crt-convert-l1-1-0.dll	10.0.10240.16390	15,712	18-Jul-2015	13:08	x64
Api-ms-win-crt-environment-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:08	x64
Api-ms-win-crt-filestream-l1-1-0.dll	10.0.10240.16390	13,664	18-Jul-2015	13:08	x64
Api-ms-win-crt-heap-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:08	x64
Api-ms-win-crt-locale-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:08	x64
Api-ms-win-crt-math-l1-1-0.dll	10.0.10240.16390	20,832	18-Jul-2015	13:08	x64

Api-ms-win-crt-multibyte-l1-1-0.dll	10.0.10240.16390	19,808	18-Jul-2015	13:08	x64
Api-ms-win-crt-private-l1-1-0.dll	10.0.10240.16390	63,840	18-Jul-2015	13:08	x64
Api-ms-win-crt-process-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:08	x64
Api-ms-win-crt-runtime-l1-1-0.dll	10.0.10240.16390	16,224	18-Jul-2015	13:08	x64
Api-ms-win-crt-stdio-l1-1-0.dll	10.0.10240.16390	17,760	18-Jul-2015	13:08	x64
Api-ms-win-crt-string-l1-1-0.dll	10.0.10240.16390	17,760	18-Jul-2015	13:08	x64
Api-ms-win-crt-time-l1-1-0.dll	10.0.10240.16390	14,176	18-Jul-2015	13:08	x64
Api-ms-win-crt-utility-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:08	x64
Api-ms-win-eventing-provider-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:08	x64
Api-ms-win-core-file-l1-2-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:14	x64
Api-ms-win-core-file-l2-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:14	x64
Api-ms-win-core-localization-l1-2-0.dll	10.0.10240.16390	14,176	18-Jul-2015	13:14	x64
Api-ms-win-core-processthreads-l1-1-1.dll	10.0.10240.16390	12,128	18-Jul-2015	13:14	x64
Api-ms-win-core-synch-l1-2-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:14	x64
Api-ms-win-core-timezone-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:14	x64
Api-ms-win-core-xstate-l2-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:14	x64
Api-ms-win-crt-conio-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:14	x64
Api-ms-win-crt-convert-l1-1-0.dll	10.0.10240.16390	15,712	18-Jul-2015	13:14	x64
Api-ms-win-crt-environment-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:14	x64
Api-ms-win-crt-filestream-l1-1-0.dll	10.0.10240.16390	13,664	18-Jul-2015	13:14	x64
Api-ms-win-crt-heap-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:14	x64
Api-ms-win-crt-locale-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:14	x64
Api-ms-win-crt-math-l1-1-0.dll	10.0.10240.16390	20,832	18-Jul-2015	13:14	x64

Api-ms-win-crt-multibyte-l1-1-0.dll	10.0.10240.16390	19,808	18-Jul-2015	13:14	x64
Api-ms-win-crt-private-l1-1-0.dll	10.0.10240.16390	63,840	18-Jul-2015	13:14	x64
Api-ms-win-crt-process-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:14	x64
Api-ms-win-crt-runtime-l1-1-0.dll	10.0.10240.16390	16,224	18-Jul-2015	13:14	x64
Api-ms-win-crt-stdio-l1-1-0.dll	10.0.10240.16390	17,760	18-Jul-2015	13:14	x64
Api-ms-win-crt-string-l1-1-0.dll	10.0.10240.16390	17,760	18-Jul-2015	13:14	x64
Api-ms-win-crt-time-l1-1-0.dll	10.0.10240.16390	14,176	18-Jul-2015	13:14	x64
Api-ms-win-crt-utility-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:14	x64
Api-ms-win-eventing-provider-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:14	x64
Ucrtdbase.dll	10.0.10240.16390	984,448	18-Jul-2015	13:08	x64
Ucrtdbase.dll	10.0.10240.16390	984,448	18-Jul-2015	13:14	x64
Api-ms-win-core-file-l1-2-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:08	x86
Api-ms-win-core-file-l2-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:08	x86
Api-ms-win-core-localization-l1-2-0.dll	10.0.10240.16390	14,176	18-Jul-2015	13:08	x86
Api-ms-win-core-processthreads-l1-1-1.dll	10.0.10240.16390	12,128	18-Jul-2015	13:08	x86
Api-ms-win-core-synch-l1-2-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:08	x86
Api-ms-win-core-timezone-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:08	x86
Api-ms-win-core-xstate-l2-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:08	x86
Api-ms-win-crt-conio-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:08	x86
Api-ms-win-crt-convert-l1-1-0.dll	10.0.10240.16390	15,712	18-Jul-2015	13:08	x86
Api-ms-win-crt-environment-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:08	x86
Api-ms-win-crt-filestream-l1-1-0.dll	10.0.10240.16390	13,664	18-Jul-2015	13:08	x86
Api-ms-win-crt-heap-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:08	x86

Api-ms-win-crt-locale-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:08	x86
Api-ms-win-crt-math-l1-1-0.dll	10.0.10240.16390	22,368	18-Jul-2015	13:08	x86
Api-ms-win-crt-multibyte-l1-1-0.dll	10.0.10240.16390	19,808	18-Jul-2015	13:08	x86
Api-ms-win-crt-private-l1-1-0.dll	10.0.10240.16390	66,400	18-Jul-2015	13:08	x86
Api-ms-win-crt-process-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:08	x86
Api-ms-win-crt-runtime-l1-1-0.dll	10.0.10240.16390	16,224	18-Jul-2015	13:08	x86
Api-ms-win-crt-stdio-l1-1-0.dll	10.0.10240.16390	17,760	18-Jul-2015	13:08	x86
Api-ms-win-crt-string-l1-1-0.dll	10.0.10240.16390	17,760	18-Jul-2015	13:08	x86
Api-ms-win-crt-time-l1-1-0.dll	10.0.10240.16390	14,176	18-Jul-2015	13:08	x86
Api-ms-win-crt-utility-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:08	x86
Api-ms-win-eventing-provider-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:08	x86
Api-ms-win-core-file-l1-2-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:08	x86
Api-ms-win-core-file-l2-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:08	x86
Api-ms-win-core-localization-l1-2-0.dll	10.0.10240.16390	14,176	18-Jul-2015	13:08	x86
Api-ms-win-core-processthreads-l1-1-1.dll	10.0.10240.16390	12,128	18-Jul-2015	13:08	x86
Api-ms-win-core-synch-l1-2-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:08	x86
Api-ms-win-core-timezone-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:08	x86
Api-ms-win-core-xstate-l2-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:08	x86
Api-ms-win-crt-conio-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:08	x86
Api-ms-win-crt-convert-l1-1-0.dll	10.0.10240.16390	15,712	18-Jul-2015	13:08	x86
Api-ms-win-crt-environment-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:08	x86
Api-ms-win-crt-filestream-l1-1-0.dll	10.0.10240.16390	13,664	18-Jul-2015	13:08	x86
Api-ms-win-crt-heap-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:08	x86

Api-ms-win-crt-locale-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:08	x86
Api-ms-win-crt-math-l1-1-0.dll	10.0.10240.16390	22,368	18-Jul-2015	13:08	x86
Api-ms-win-crt-multibyte-l1-1-0.dll	10.0.10240.16390	19,808	18-Jul-2015	13:08	x86
Api-ms-win-crt-private-l1-1-0.dll	10.0.10240.16390	66,400	18-Jul-2015	13:08	x86
Api-ms-win-crt-process-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:08	x86
Api-ms-win-crt-runtime-l1-1-0.dll	10.0.10240.16390	16,224	18-Jul-2015	13:08	x86
Api-ms-win-crt-stdio-l1-1-0.dll	10.0.10240.16390	17,760	18-Jul-2015	13:08	x86
Api-ms-win-crt-string-l1-1-0.dll	10.0.10240.16390	17,760	18-Jul-2015	13:08	x86
Api-ms-win-crt-time-l1-1-0.dll	10.0.10240.16390	14,176	18-Jul-2015	13:08	x86
Api-ms-win-crt-utility-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:08	x86
Api-ms-win-eventing-provider-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:08	x86
Ucrtdbase.dll	10.0.10240.16390	901,264	18-Jul-2015	13:08	x86
Ucrtdbase.dll	10.0.10240.16390	901,264	18-Jul-2015	13:08	x86

Windows Vista and Windows Server 2008 file information and notes

The MANIFEST files (.manifest) and the MUM files (.mum) that are installed for each environment are [listed separately](#) in the "Additional file information for Windows Vista and for Windows Server 2008" section. MUM, MANIFEST, and the associated security catalog (.cat) files, are very 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 Vista and of Windows Server 2008

File name	File version	File size	Date	Time	Platform
Api-ms-win-core-console-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:14	x86
Api-ms-win-core-datetime-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:14	x86
Api-ms-win-core-debug-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:14	x86
Api-ms-win-core-errorhandling-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:14	x86
Api-ms-win-core-file-l1-1-0.dll	10.0.10240.16390	15,200	18-Jul-2015	13:14	x86
Api-ms-win-core-file-l1-2-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:14	x86
Api-ms-win-core-file-l2-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:14	x86

Api-ms-win-core-handle-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:14	x86
Api-ms-win-core-heap-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:14	x86
Api-ms-win-core-interlocked-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:14	x86
Api-ms-win-core-libraryloader-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:14	x86
Api-ms-win-core-localization-l1-2-0.dll	10.0.10240.16390	14,176	18-Jul-2015	13:14	x86
Api-ms-win-core-memory-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:14	x86
Api-ms-win-core-namedpipe-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:14	x86
Api-ms-win-core-processenvironment-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:14	x86
Api-ms-win-core-processthreads-l1-1-0.dll	10.0.10240.16390	13,664	18-Jul-2015	13:14	x86
Api-ms-win-core-processthreads-l1-1-1.dll	10.0.10240.16390	12,128	18-Jul-2015	13:14	x86
Api-ms-win-core-profile-l1-1-0.dll	10.0.10240.16390	11,104	18-Jul-2015	13:14	x86
Api-ms-win-core-rtlsupport-l1-1-0.dll	10.0.10240.16390	11,104	18-Jul-2015	13:14	x86
Api-ms-win-core-string-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:14	x86
Api-ms-win-core-synch-l1-1-0.dll	10.0.10240.16390	13,664	18-Jul-2015	13:14	x86
Api-ms-win-core-synch-l1-2-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:14	x86
Api-ms-win-core-sysinfo-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:14	x86
Api-ms-win-core-timezone-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:14	x86
Api-ms-win-core-util-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:14	x86
Api-ms-win-core-xstate-l2-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:14	x86
Api-ms-win-crt-conio-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:14	x86
Api-ms-win-crt-convert-l1-1-0.dll	10.0.10240.16390	15,712	18-Jul-2015	13:14	x86

Api-ms-win-crt-environment-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:14	x86
Api-ms-win-crt-fileSYSTEM-l1-1-0.dll	10.0.10240.16390	13,664	18-Jul-2015	13:14	x86
Api-ms-win-crt-heap-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:14	x86
Api-ms-win-crt-locale-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:14	x86
Api-ms-win-crt-math-l1-1-0.dll	10.0.10240.16390	22,368	18-Jul-2015	13:14	x86
Api-ms-win-crt-multibyte-l1-1-0.dll	10.0.10240.16390	19,808	18-Jul-2015	13:14	x86
Api-ms-win-crt-private-l1-1-0.dll	10.0.10240.16390	66,400	18-Jul-2015	13:14	x86
Api-ms-win-crt-process-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:14	x86
Api-ms-win-crt-runtime-l1-1-0.dll	10.0.10240.16390	16,224	18-Jul-2015	13:14	x86
Api-ms-win-crt-stdio-l1-1-0.dll	10.0.10240.16390	17,760	18-Jul-2015	13:14	x86
Api-ms-win-crt-string-l1-1-0.dll	10.0.10240.16390	17,760	18-Jul-2015	13:14	x86
Api-ms-win-crt-time-l1-1-0.dll	10.0.10240.16390	14,176	18-Jul-2015	13:14	x86
Api-ms-win-crt-utility-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:14	x86
Api-ms-win-eventing-provider-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:14	x86
Api-ms-win-core-console-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:15	x86
Api-ms-win-core-datetime-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:15	x86
Api-ms-win-core-debug-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:15	x86
Api-ms-win-core-errorhandling-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:15	x86
Api-ms-win-core-file-l1-1-0.dll	10.0.10240.16390	15,200	18-Jul-2015	13:15	x86
Api-ms-win-core-file-l1-2-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:15	x86
Api-ms-win-core-file-l2-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:15	x86
Api-ms-win-core-handle-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:15	x86
Api-ms-win-core-heap-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:15	x86

Api-ms-win-core-interlocked-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:15	x86
Api-ms-win-core-libraryloader-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:15	x86
Api-ms-win-core-localization-l1-2-0.dll	10.0.10240.16390	14,176	18-Jul-2015	13:15	x86
Api-ms-win-core-memory-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:15	x86
Api-ms-win-core-namedpipe-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:15	x86
Api-ms-win-core-processenvironment-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:15	x86
Api-ms-win-core-processthreads-l1-1-0.dll	10.0.10240.16390	13,664	18-Jul-2015	13:15	x86
Api-ms-win-core-processthreads-l1-1-1.dll	10.0.10240.16390	12,128	18-Jul-2015	13:15	x86
Api-ms-win-core-profile-l1-1-0.dll	10.0.10240.16390	11,104	18-Jul-2015	13:15	x86
Api-ms-win-core-rtlsupport-l1-1-0.dll	10.0.10240.16390	11,104	18-Jul-2015	13:15	x86
Api-ms-win-core-string-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:15	x86
Api-ms-win-core-synch-l1-1-0.dll	10.0.10240.16390	13,664	18-Jul-2015	13:15	x86
Api-ms-win-core-synch-l1-2-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:15	x86
Api-ms-win-core-sysinfo-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:15	x86
Api-ms-win-core-timezone-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:15	x86
Api-ms-win-core-util-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:15	x86
Api-ms-win-core-xstate-l2-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:15	x86
Api-ms-win-crt-conio-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:15	x86
Api-ms-win-crt-convert-l1-1-0.dll	10.0.10240.16390	15,712	18-Jul-2015	13:15	x86
Api-ms-win-crt-environment-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:15	x86
Api-ms-win-crt-filestream-	10.0.10240.16390	13,664	18-Jul-2015	13:15	x86

l1-1-0.dll

Api-ms-win-crt-heap-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:15	x86
Api-ms-win-crt-locale-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:15	x86
Api-ms-win-crt-math-l1-1-0.dll	10.0.10240.16390	22,368	18-Jul-2015	13:15	x86
Api-ms-win-crt-multibyte-l1-1-0.dll	10.0.10240.16390	19,808	18-Jul-2015	13:15	x86
Api-ms-win-crt-private-l1-1-0.dll	10.0.10240.16390	66,400	18-Jul-2015	13:15	x86
Api-ms-win-crt-process-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:15	x86
Api-ms-win-crt-runtime-l1-1-0.dll	10.0.10240.16390	16,224	18-Jul-2015	13:15	x86
Api-ms-win-crt-stdio-l1-1-0.dll	10.0.10240.16390	17,760	18-Jul-2015	13:15	x86
Api-ms-win-crt-string-l1-1-0.dll	10.0.10240.16390	17,760	18-Jul-2015	13:15	x86
Api-ms-win-crt-time-l1-1-0.dll	10.0.10240.16390	14,176	18-Jul-2015	13:15	x86
Api-ms-win-crt-utility-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:15	x86
Api-ms-win-eventing-provider-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:15	x86
Ucrtdbase.dll	10.0.10240.16390	901,264	18-Jul-2015	13:14	x86
Ucrtdbase.dll	10.0.10240.16390	901,264	18-Jul-2015	13:15	x86

For all supported x64-based versions of Windows Vista and of Windows Server 2008

File name	File version	File size	Date	Time	Platform
Api-ms-win-core-console-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:14	x64
Api-ms-win-core-datetime-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:14	x64
Api-ms-win-core-debug-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:14	x64
Api-ms-win-core-errorhandling-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:14	x64
Api-ms-win-core-file-l1-1-0.dll	10.0.10240.16390	15,200	18-Jul-2015	13:14	x64
Api-ms-win-core-file-l1-2-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:14	x64
Api-ms-win-core-file-l2-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:14	x64
Api-ms-win-core-handle-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:14	x64

Api-ms-win-core-heap-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:14	x64
Api-ms-win-core-interlocked-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:14	x64
Api-ms-win-core-libraryloader-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:14	x64
Api-ms-win-core-localization-l1-2-0.dll	10.0.10240.16390	14,176	18-Jul-2015	13:14	x64
Api-ms-win-core-memory-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:14	x64
Api-ms-win-core-namedpipe-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:14	x64
Api-ms-win-core-processenvironment-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:14	x64
Api-ms-win-core-processthreads-l1-1-0.dll	10.0.10240.16390	13,664	18-Jul-2015	13:14	x64
Api-ms-win-core-processthreads-l1-1-1.dll	10.0.10240.16390	12,128	18-Jul-2015	13:14	x64
Api-ms-win-core-profile-l1-1-0.dll	10.0.10240.16390	11,104	18-Jul-2015	13:14	x64
Api-ms-win-core-rtlsupport-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:14	x64
Api-ms-win-core-string-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:14	x64
Api-ms-win-core-synch-l1-1-0.dll	10.0.10240.16390	13,664	18-Jul-2015	13:14	x64
Api-ms-win-core-synch-l1-2-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:14	x64
Api-ms-win-core-sysinfo-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:14	x64
Api-ms-win-core-timezone-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:14	x64
Api-ms-win-core-util-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:14	x64
Api-ms-win-core-xstate-l2-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:14	x64
Api-ms-win-crt-conio-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:14	x64
Api-ms-win-crt-convert-l1-1-0.dll	10.0.10240.16390	15,712	18-Jul-2015	13:14	x64
Api-ms-win-crt-environment-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:14	x64

Api-ms-win-crt-file-system-l1-1-0.dll	10.0.10240.16390	13,664	18-Jul-2015	13:14	x64
Api-ms-win-crt-heap-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:14	x64
Api-ms-win-crt-locale-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:14	x64
Api-ms-win-crt-math-l1-1-0.dll	10.0.10240.16390	20,832	18-Jul-2015	13:14	x64
Api-ms-win-crt-multibyte-l1-1-0.dll	10.0.10240.16390	19,808	18-Jul-2015	13:14	x64
Api-ms-win-crt-private-l1-1-0.dll	10.0.10240.16390	63,840	18-Jul-2015	13:14	x64
Api-ms-win-crt-process-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:14	x64
Api-ms-win-crt-runtime-l1-1-0.dll	10.0.10240.16390	16,224	18-Jul-2015	13:14	x64
Api-ms-win-crt-stdio-l1-1-0.dll	10.0.10240.16390	17,760	18-Jul-2015	13:14	x64
Api-ms-win-crt-string-l1-1-0.dll	10.0.10240.16390	17,760	18-Jul-2015	13:14	x64
Api-ms-win-crt-time-l1-1-0.dll	10.0.10240.16390	14,176	18-Jul-2015	13:14	x64
Api-ms-win-crt-utility-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:14	x64
Api-ms-win-eventing-provider-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:14	x64
Api-ms-win-core-console-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:17	x64
Api-ms-win-core-datetime-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:17	x64
Api-ms-win-core-debug-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:17	x64
Api-ms-win-core-errorhandling-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:17	x64
Api-ms-win-core-file-l1-1-0.dll	10.0.10240.16390	15,200	18-Jul-2015	13:17	x64
Api-ms-win-core-file-l1-2-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:17	x64
Api-ms-win-core-file-l2-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:17	x64
Api-ms-win-core-handle-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:17	x64
Api-ms-win-core-heap-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:17	x64
Api-ms-win-core-interlocked-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:17	x64

Api-ms-win-core-libraryloader-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:17	x64
Api-ms-win-core-localization-l1-2-0.dll	10.0.10240.16390	14,176	18-Jul-2015	13:17	x64
Api-ms-win-core-memory-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:17	x64
Api-ms-win-core-namedpipe-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:17	x64
Api-ms-win-core-processenvironment-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:17	x64
Api-ms-win-core-processthreads-l1-1-0.dll	10.0.10240.16390	13,664	18-Jul-2015	13:17	x64
Api-ms-win-core-processthreads-l1-1-1.dll	10.0.10240.16390	12,128	18-Jul-2015	13:17	x64
Api-ms-win-core-profile-l1-1-0.dll	10.0.10240.16390	11,104	18-Jul-2015	13:17	x64
Api-ms-win-core-rtlsupport-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:17	x64
Api-ms-win-core-string-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:17	x64
Api-ms-win-core-synch-l1-1-0.dll	10.0.10240.16390	13,664	18-Jul-2015	13:17	x64
Api-ms-win-core-synch-l1-2-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:17	x64
Api-ms-win-core-sysinfo-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:17	x64
Api-ms-win-core-timezone-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:17	x64
Api-ms-win-core-util-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:17	x64
Api-ms-win-core-xstate-l2-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:17	x64
Api-ms-win-crt-conio-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:17	x64
Api-ms-win-crt-convert-l1-1-0.dll	10.0.10240.16390	15,712	18-Jul-2015	13:17	x64
Api-ms-win-crt-environment-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:17	x64
Api-ms-win-crt-filessystem-l1-1-0.dll	10.0.10240.16390	13,664	18-Jul-2015	13:17	x64
Api-ms-win-crt-heap-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:17	x64

Api-ms-win-crt-locale-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:17	x64
Api-ms-win-crt-math-l1-1-0.dll	10.0.10240.16390	20,832	18-Jul-2015	13:17	x64
Api-ms-win-crt-multibyte-l1-1-0.dll	10.0.10240.16390	19,808	18-Jul-2015	13:17	x64
Api-ms-win-crt-private-l1-1-0.dll	10.0.10240.16390	63,840	18-Jul-2015	13:17	x64
Api-ms-win-crt-process-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:17	x64
Api-ms-win-crt-runtime-l1-1-0.dll	10.0.10240.16390	16,224	18-Jul-2015	13:17	x64
Api-ms-win-crt-stdio-l1-1-0.dll	10.0.10240.16390	17,760	18-Jul-2015	13:17	x64
Api-ms-win-crt-string-l1-1-0.dll	10.0.10240.16390	17,760	18-Jul-2015	13:17	x64
Api-ms-win-crt-time-l1-1-0.dll	10.0.10240.16390	14,176	18-Jul-2015	13:17	x64
Api-ms-win-crt-utility-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:17	x64
Api-ms-win-eventing-provider-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:17	x64
Ucrtdbase.dll	10.0.10240.16390	984,448	18-Jul-2015	13:14	x64
Ucrtdbase.dll	10.0.10240.16390	984,448	18-Jul-2015	13:17	x64
Api-ms-win-core-console-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:14	x86
Api-ms-win-core-datetime-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:14	x86
Api-ms-win-core-debug-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:14	x86
Api-ms-win-core-errorhandling-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:14	x86
Api-ms-win-core-file-l1-1-0.dll	10.0.10240.16390	15,200	18-Jul-2015	13:14	x86
Api-ms-win-core-file-l1-2-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:14	x86
Api-ms-win-core-file-l2-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:14	x86
Api-ms-win-core-handle-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:14	x86
Api-ms-win-core-heap-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:14	x86
Api-ms-win-core-interlocked-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:14	x86
Api-ms-win-core-libraryloader-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:14	x86

l1-1-0.dll

Api-ms-win-core-localization-l1-2-0.dll	10.0.10240.16390	14,176	18-Jul-2015	13:14	x86
Api-ms-win-core-memory-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:14	x86
Api-ms-win-core-namedpipe-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:14	x86
Api-ms-win-core-processenvironment-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:14	x86
Api-ms-win-core-processthreads-l1-1-0.dll	10.0.10240.16390	13,664	18-Jul-2015	13:14	x86
Api-ms-win-core-processthreads-l1-1-1.dll	10.0.10240.16390	12,128	18-Jul-2015	13:14	x86
Api-ms-win-core-profile-l1-1-0.dll	10.0.10240.16390	11,104	18-Jul-2015	13:14	x86
Api-ms-win-core-rtlsupport-l1-1-0.dll	10.0.10240.16390	11,104	18-Jul-2015	13:14	x86
Api-ms-win-core-string-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:14	x86
Api-ms-win-core-synch-l1-1-0.dll	10.0.10240.16390	13,664	18-Jul-2015	13:14	x86
Api-ms-win-core-synch-l1-2-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:14	x86
Api-ms-win-core-sysinfo-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:14	x86
Api-ms-win-core-timezone-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:14	x86
Api-ms-win-core-util-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:14	x86
Api-ms-win-core-xstate-l2-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:14	x86
Api-ms-win-crt-conio-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:14	x86
Api-ms-win-crt-convert-l1-1-0.dll	10.0.10240.16390	15,712	18-Jul-2015	13:14	x86
Api-ms-win-crt-environment-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:14	x86
Api-ms-win-crt-filessystem-l1-1-0.dll	10.0.10240.16390	13,664	18-Jul-2015	13:14	x86
Api-ms-win-crt-heap-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:14	x86

Api-ms-win-crt-locale-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:14	x86
Api-ms-win-crt-math-l1-1-0.dll	10.0.10240.16390	22,368	18-Jul-2015	13:14	x86
Api-ms-win-crt-multibyte-l1-1-0.dll	10.0.10240.16390	19,808	18-Jul-2015	13:14	x86
Api-ms-win-crt-private-l1-1-0.dll	10.0.10240.16390	66,400	18-Jul-2015	13:14	x86
Api-ms-win-crt-process-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:14	x86
Api-ms-win-crt-runtime-l1-1-0.dll	10.0.10240.16390	16,224	18-Jul-2015	13:14	x86
Api-ms-win-crt-stdio-l1-1-0.dll	10.0.10240.16390	17,760	18-Jul-2015	13:14	x86
Api-ms-win-crt-string-l1-1-0.dll	10.0.10240.16390	17,760	18-Jul-2015	13:14	x86
Api-ms-win-crt-time-l1-1-0.dll	10.0.10240.16390	14,176	18-Jul-2015	13:14	x86
Api-ms-win-crt-utility-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:14	x86
Api-ms-win-eventing-provider-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:14	x86
Api-ms-win-core-console-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:15	x86
Api-ms-win-core-datetime-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:15	x86
Api-ms-win-core-debug-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:15	x86
Api-ms-win-core-errorhandling-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:15	x86
Api-ms-win-core-file-l1-1-0.dll	10.0.10240.16390	15,200	18-Jul-2015	13:15	x86
Api-ms-win-core-file-l1-2-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:15	x86
Api-ms-win-core-file-l2-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:15	x86
Api-ms-win-core-handle-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:15	x86
Api-ms-win-core-heap-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:15	x86
Api-ms-win-core-interlocked-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:15	x86
Api-ms-win-core-libraryloader-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:15	x86
Api-ms-win-core-localization-l1-2-0.dll	10.0.10240.16390	14,176	18-Jul-2015	13:15	x86

Api-ms-win-core-memory-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:15	x86
Api-ms-win-core-namedpipe-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:15	x86
Api-ms-win-core-processenvironment-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:15	x86
Api-ms-win-core-processthreads-l1-1-0.dll	10.0.10240.16390	13,664	18-Jul-2015	13:15	x86
Api-ms-win-core-processthreads-l1-1-1.dll	10.0.10240.16390	12,128	18-Jul-2015	13:15	x86
Api-ms-win-core-profile-l1-1-0.dll	10.0.10240.16390	11,104	18-Jul-2015	13:15	x86
Api-ms-win-core-rtlsupport-l1-1-0.dll	10.0.10240.16390	11,104	18-Jul-2015	13:15	x86
Api-ms-win-core-string-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:15	x86
Api-ms-win-core-synch-l1-1-0.dll	10.0.10240.16390	13,664	18-Jul-2015	13:15	x86
Api-ms-win-core-synch-l1-2-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:15	x86
Api-ms-win-core-sysinfo-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:15	x86
Api-ms-win-core-timezone-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:15	x86
Api-ms-win-core-util-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:15	x86
Api-ms-win-core-xstate-l2-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:15	x86
Api-ms-win-crt-conio-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:15	x86
Api-ms-win-crt-convert-l1-1-0.dll	10.0.10240.16390	15,712	18-Jul-2015	13:15	x86
Api-ms-win-crt-environment-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:15	x86
Api-ms-win-crt-filessystem-l1-1-0.dll	10.0.10240.16390	13,664	18-Jul-2015	13:15	x86
Api-ms-win-crt-heap-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:15	x86
Api-ms-win-crt-locale-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:15	x86
Api-ms-win-crt-math-l1-1-0.dll	10.0.10240.16390	22,368	18-Jul-2015	13:15	x86

Api-ms-win-crt-multibyte-l1-1-0.dll	10.0.10240.16390	19,808	18-Jul-2015	13:15	x86
Api-ms-win-crt-private-l1-1-0.dll	10.0.10240.16390	66,400	18-Jul-2015	13:15	x86
Api-ms-win-crt-process-l1-1-0.dll	10.0.10240.16390	12,640	18-Jul-2015	13:15	x86
Api-ms-win-crt-runtime-l1-1-0.dll	10.0.10240.16390	16,224	18-Jul-2015	13:15	x86
Api-ms-win-crt-stdio-l1-1-0.dll	10.0.10240.16390	17,760	18-Jul-2015	13:15	x86
Api-ms-win-crt-string-l1-1-0.dll	10.0.10240.16390	17,760	18-Jul-2015	13:15	x86
Api-ms-win-crt-time-l1-1-0.dll	10.0.10240.16390	14,176	18-Jul-2015	13:15	x86
Api-ms-win-crt-utility-l1-1-0.dll	10.0.10240.16390	12,128	18-Jul-2015	13:15	x86
Api-ms-win-eventing-provider-l1-1-0.dll	10.0.10240.16390	11,616	18-Jul-2015	13:15	x86
Ucrtdbase.dll	10.0.10240.16390	901,264	18-Jul-2015	13:14	x86
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Additional file information

Additional file information for Windows 8.1 and for Windows Server 2012 R2

Additional files for all supported x86-based versions of Windows 8.1

File property	Value
File name	X86_21b7c8b70451f8f444ef8fc3b7a75f15_31bf3856ad364e35_6.3.9600.18036_none_8d6357e17
File version	Not applicable
File size	1,051
Date (UTC)	23-Aug-2015
Time (UTC)	00:07
Platform	Not applicable
File name	X86_microsoft-windows-u..lcrt-apifwd-winblue_31bf3856ad364e35_6.3.9600.18036_none_553956fb44c2cb3d.manifest
File version	Not applicable
File size	12,962

Date (UTC)	22-Aug-2015
Time (UTC)	18:31
Platform	Not applicable
File name	X86_microsoft-windows-ucrt_31bf3856ad364e35_6.3.9600.18036_none_4098d6bc34ef618c.man
File version	Not applicable
File size	2,369
Date (UTC)	22-Aug-2015
Time (UTC)	18:31
Platform	Not applicable

Additional files for all supported x64-based versions of Windows 8.1 and of Windows Server 2012 R2

File property	Value
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File size	1,752
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Time (UTC)	19:13

Platform	Not applicable
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File size	2,369
Date (UTC)	22-Aug-2015
Time (UTC)	18:31
Platform	Not applicable

Additional files for all supported Windows RT 8.1

File property	Value
File name	Arm_9ec943e730979d40c207fdf658bea1de_31bf3856ad364e35_6.3.9600.18036_none_cfef0b5e3
File	Not applicable

version	
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Time (UTC)	00:07
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File version	Not applicable
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Time (UTC)	17:28
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File version	Not applicable
File size	2,369
Date (UTC)	22-Aug-2015
Time (UTC)	17:28
Platform	Not applicable

Additional file information for Windows 8 and for Windows Server 2012

Additional files for all supported x86-based versions of Windows 8

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File name	X86_11d77f647fab6f00a8a65275d3add715_31bf3856ad364e35_6.2.9200.17488_none_e4116254.manifest
File version	Not applicable
File size	1,048

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Time (UTC)	18:58
Platform	Not applicable
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File version	Not applicable
File size	1,048
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Time (UTC)	18:58
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File version	Not applicable
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Time (UTC)	14:16
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File version	Not applicable
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Time (UTC)	14:07
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File version	Not applicable
File size	2,369
Date (UTC)	17-Aug-2015
Time (UTC)	14:16
Platform	Not applicable

Additional files for all supported x64-based versions of Windows 8 and of Windows Server 2012

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File size	1,746
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Time (UTC)	18:58
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File size	1,746
Date	17-Aug-2015

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(UTC)** 15:01**Platform** Not applicable**File
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(UTC)** 17-Aug-2015**Time
(UTC)** 14:55**Platform** Not applicable**File
name** Amd64_microsoft-windows-ucrt_31bf3856ad364e35_6.2.9200.21602_none_0568e546bc22c102.r

File version	Not applicable
File size	2,371
Date (UTC)	17-Aug-2015
Time (UTC)	15:01
Platform	Not applicable
File name	X86_microsoft-windows-u..rsalcrt-apifwd-win8_31bf3856ad364e35_6.2.9200.17488_none_4866235bdfb900c6.manifest
File version	Not applicable
File size	14,555
Date (UTC)	17-Aug-2015
Time (UTC)	14:07
Platform	Not applicable
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File version	Not applicable
File size	14,555
Date (UTC)	17-Aug-2015
Time (UTC)	14:16
Platform	Not applicable
File name	X86_microsoft-windows-ucrt_31bf3856ad364e35_6.2.9200.17488_none_a8702d6deae32a6d.mar
File version	Not applicable
File size	2,369
Date (UTC)	17-Aug-2015
Time (UTC)	14:07

Platform	Not applicable
File name	X86_microsoft-windows-ucrt_31bf3856ad364e35_6.2.9200.21602_none_a94a49c303c54fcc.manifest
File version	Not applicable
File size	2,369
Date (UTC)	17-Aug-2015
Time (UTC)	14:16
Platform	Not applicable

Additional files for all supported Windows RT

File property	Value
File name	Arm_5cae7b2a4596e41bad90ee1b6ad59a66_31bf3856ad364e35_6.2.9200.17488_none_d46325c
File version	Not applicable
File size	1,048
Date (UTC)	17-Aug-2015
Time (UTC)	18:58
Platform	Not applicable
File name	Arm_microsoft-windows-u..rsalcrt-apifwd-win8_31bf3856ad364e35_6.2.9200.17488_none_486895b3dfb61f8c.manifest
File version	Not applicable
File size	14,555
Date (UTC)	17-Aug-2015
Time (UTC)	14:02
Platform	Not applicable
File name	Arm_microsoft-windows-ucrt_31bf3856ad364e35_6.2.9200.17488_none_a8729fc5eae04933.manifest
File	Not applicable

version	
File size	2,369
Date (UTC)	17-Aug-2015
Time (UTC)	14:01
Platform	Not applicable

Additional file information for Windows 7 and for Windows Server 2008 R2

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

File property	Value
File name	X86_38368767fdc79ee01ac95c793d5398c2_31bf3856ad364e35_6.1.7601.18972_none_080737a2
File version	Not applicable
File size	1,048
Date (UTC)	19-Aug-2015
Time (UTC)	02:07
Platform	Not applicable
File name	X86_db7fea9e8d82bfc68d5a766a5f91ce5_31bf3856ad364e35_6.1.7601.23175_none_283459a3
File version	Not applicable
File size	1,048
Date (UTC)	19-Aug-2015
Time (UTC)	02:07
Platform	Not applicable
File name	X86_microsoft-windows-u..rsalcrt-apifwd-win7_31bf3856ad364e35_6.1.7601.18972_none_4d8675c06cc24030.manifest
File version	Not applicable
File size	19,290

Date (UTC)	18-Aug-2015
Time (UTC)	21:49
Platform	Not applicable
File name	X86_microsoft-windows-u..rsalcrt-apifwd-win7_31bf3856ad364e35_6.1.7601.23175_none_4e12eb8b85dd5f41.manifest
File version	Not applicable
File size	19,290
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Time (UTC)	18:16
Platform	Not applicable
File name	X86_microsoft-windows-ucrt_31bf3856ad364e35_6.1.7601.18972_none_ad85afe677f485c8.manifest
File version	Not applicable
File size	2,330
Date (UTC)	18-Aug-2015
Time (UTC)	21:51
Platform	Not applicable
File name	X86_microsoft-windows-ucrt_31bf3856ad364e35_6.1.7601.23175_none_ae1225b1910fa4d9.manifest
File version	Not applicable
File size	2,330
Date (UTC)	18-Aug-2015
Time (UTC)	18:18
Platform	Not applicable

Additional files for all supported x64-based versions of Windows 7 and of Windows Server 2008 R2

File property	Value
File name	Amd64_db464a62d198e4a5fee596fc8a86001a_31bf3856ad364e35_6.1.7601.23175_none_67e7f4
File version	Not applicable
File size	1,746
Date (UTC)	19-Aug-2015
Time (UTC)	02:07
Platform	Not applicable
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File version	Not applicable
File size	1,746
Date (UTC)	19-Aug-2015
Time (UTC)	02:07
Platform	Not applicable
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File version	Not applicable
File size	19,292
Date (UTC)	18-Aug-2015
Time (UTC)	22:08
Platform	Not applicable
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File version	Not applicable
File size	19,292

Date (UTC)	18-Aug-2015
Time (UTC)	18:46
Platform	Not applicable
File name	Amd64_microsoft-windows-ucrt_31bf3856ad364e35_6.1.7601.18972_none_09a44b6a3051f6fe.r
File version	Not applicable
File size	2,332
Date (UTC)	18-Aug-2015
Time (UTC)	22:11
Platform	Not applicable
File name	Amd64_microsoft-windows-ucrt_31bf3856ad364e35_6.1.7601.23175_none_0a30c135496d160f.n
File version	Not applicable
File size	2,332
Date (UTC)	18-Aug-2015
Time (UTC)	18:48
Platform	Not applicable
File name	X86_microsoft-windows-u..rsalcrt-apifwd-win7_31bf3856ad364e35_6.1.7601.18972_none_4d8675c06cc24030.manifest
File version	Not applicable
File size	19,290
Date (UTC)	18-Aug-2015
Time (UTC)	21:49
Platform	Not applicable
File name	X86_microsoft-windows-u..rsalcrt-apifwd-win7_31bf3856ad364e35_6.1.7601.23175_none_4e12eb8b85dd5f41.manifest

File version	Not applicable
File size	19,290
Date (UTC)	18-Aug-2015
Time (UTC)	18:16
Platform	Not applicable
File name	X86_microsoft-windows-ucrt_31bf3856ad364e35_6.1.7601.18972_none_ad85afe677f485c8.man
File version	Not applicable
File size	2,330
Date (UTC)	18-Aug-2015
Time (UTC)	21:51
Platform	Not applicable
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File version	Not applicable
File size	2,330
Date (UTC)	18-Aug-2015
Time (UTC)	18:18
Platform	Not applicable

Additional file information for Windows Vista and for Windows Server 2008

Additional files for all supported x86-based versions of Windows Vista and of Windows Server 2008

File property	Value
File name	X86_293825bf951bb33953364e080fe669d4_31bf3856ad364e35_6.0.6002.19488_none_58a4be50
File version	Not applicable
File size	1,049

Date (UTC)	10-Sep-2015
Time (UTC)	21:57
Platform	Not applicable
File name	X86_b89bcf5c27367d71eb02f7ca36435264_31bf3856ad364e35_6.0.6002.23798_none_88c8ab94
File version	Not applicable
File size	1,049
Date (UTC)	10-Sep-2015
Time (UTC)	21:57
Platform	Not applicable
File name	X86_microsoft-windows-u...salcrt-apifwd-vista_31bf3856ad364e35_6.0.6002.19488_none_e3f6a1581de98710.manifest
File version	Not applicable
File size	31,397
Date (UTC)	05-Sep-2015
Time (UTC)	16:08
Platform	Not applicable
File name	X86_microsoft-windows-u...salcrt-apifwd-vista_31bf3856ad364e35_6.0.6002.23798_none_e4757203370f3d19.manifest
File version	Not applicable
File size	31,397
Date (UTC)	05-Sep-2015
Time (UTC)	15:46
Platform	Not applicable
File name	X86_microsoft-windows-ucrt_31bf3856ad364e35_6.0.6002.19488_none_ad5920a116dfee9e.man

File version	Not applicable
File size	1,969
Date (UTC)	05-Sep-2015
Time (UTC)	16:10
Platform	Not applicable
File name	X86_microsoft-windows-ucrt_31bf3856ad364e35_6.0.6002.23798_none_add7f14c3005a4a7.man
File version	Not applicable
File size	1,969
Date (UTC)	05-Sep-2015
Time (UTC)	15:48
Platform	Not applicable

Additional files for all supported x64-based versions of Windows Vista and of Windows Server 2008

File property	Value
File name	Amd64_6205d1893ace4ca019deddb3cbe87d64_31bf3856ad364e35_6.0.6002.19488_none_45f6f
File version	Not applicable
File size	1,748
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Time (UTC)	21:57
Platform	Not applicable
File name	Amd64_a26446a4ce0e2ee882f5e8abadc06506_31bf3856ad364e35_6.0.6002.23798_none_1905d
File version	Not applicable
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Time (UTC)	21:57
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Time (UTC)	16:46
Platform	Not applicable
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File version	Not applicable
File size	31,399
Date (UTC)	05-Sep-2015
Time (UTC)	15:36
Platform	Not applicable
File name	Amd64_microsoft-windows-ucrt_31bf3856ad364e35_6.0.6002.19488_none_0977bc24cf3d5fd4.nr
File version	Not applicable
File size	1,973
Date (UTC)	05-Sep-2015
Time (UTC)	16:48
Platform	Not applicable
File name	Amd64_microsoft-windows-ucrt_31bf3856ad364e35_6.0.6002.23798_none_09f68ccfe86315dd.nr

File version	Not applicable
File size	1,973
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Time (UTC)	15:38
Platform	Not applicable
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File version	Not applicable
File size	31,397
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Time (UTC)	16:08
Platform	Not applicable
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File version	Not applicable
File size	31,397
Date (UTC)	05-Sep-2015
Time (UTC)	15:46
Platform	Not applicable
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File version	Not applicable
File size	1,969
Date (UTC)	05-Sep-2015
Time (UTC)	16:10

Platform	Not applicable
File name	X86_microsoft-windows-ucrt_31bf3856ad364e35_6.0.6002.23798_none_add7f14c3005a4a7.man
File version	Not applicable
File size	1,969
Date (UTC)	05-Sep-2015
Time (UTC)	15:48
Platform	Not applicable

Status

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

References

See the [terminology](#) that Microsoft uses to describe software updates.

Properties

Article ID: 2999226 - Last Review: 10/13/2015 18:34:00 - Revision: 3.0

Applies to

Windows Server 2012 R2 Datacenter, Windows Server 2012 R2 Standard, Windows Server 2012 R2 Essentials, Windows Server 2012 R2 Foundation, Windows 8.1 Enterprise, Windows 8.1 Pro, Windows 8.1, Windows RT 8.1, Windows Server 2012 Datacenter, Windows Server 2012 Standard, Windows Server 2012 Essentials, Windows Server 2012 Foundation, Windows 8 Enterprise, Windows 8 Pro, Windows 8, Windows RT, Windows Server 2008 R2 Service Pack 1, Windows 7 Service Pack 1, Windows Server 2008 Service Pack 2, Windows Vista Service Pack 2

Keywords:

kbfix atdownload kbexpertiseinter kbsurveynew KB2999226

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