

# DIFx Tools Version 1.1 Support Multiple Languages and 64-bit Drivers

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## DIFx Tools Version 1.1 Support Multiple Languages and 64-bit Drivers

Driver Install Frameworks (DIFx) provides infrastructure and tools to simplify device and driver installation for both developers and users. DIFx tools includes the Driver Package Installer (DPIInst) and the Driver Installation Frameworks for Applications (DIFxApp).

Version 1.1 of DIFx tools is now available for download from WHDC. Version 1.1 provides the following new capabilities:

Ability to create localized driver installation packages in 24 languages:

Arabic (Saudi Arabia) Spanish – Modern Sort (Spain) Norwegian (Bokmål) (Norway)  
Chinese (People's ROC) Finnish (Finland) Dutch (Netherlands)  
Chinese (Taiwan) French (France)  
Polish (Poland)  
Czech (Czech Republic) Hebrew (Israel)  
Portuguese (Brazil)  
Danish (Denmark) Hungarian (Hungary)  
Portuguese (Portugal)  
German (Germany) Italian (Italy)  
Russian (Russia)  
Greek (Greece) Japanese (Japan)  
Swedish (Sweden)  
English (United States) Korean (Korea)  
Turkish (Turkey)

Ability to create driver installation packages for Itanium-based systems.

Support for x64-based platforms is planned for a future version of the DIFx tools. A Beta version of these tools is available through the DIFx Tools Beta Program. To enroll, visit <http://betaplace> and log in with guest ID difxbeta.

Ability to create driver installation packages for file system minifilters (file system filter drivers developed to the Filter Manager model).

Support for the next version of Microsoft Windows, codenamed "Longhorn."

Support for NDIS IM drivers.

Ability to fine-tune the user installation experience with new MsiDriverPackages table flags:

Suppress the "Attach device" prompt displayed by DIFxApp if no matching device could be found for a Plug and Play driver that was just installed.

Suppress creation of an Add/Remove Programs entry for the driver package.

New Windows Installer XML (WiX) library, DIFxApp.wixlib, for developers who use WiX to create setup programs.

New DPInst return code that indicates status of a driver installation to a calling application, to help support IT deployment scenarios. Status information includes the number of driver packages that were successfully installed and whether a system restart is necessary.

Download DIFx tools version 1.1:

<http://www.microsoft.com/whdc/driver/install/DIFxtls.msp>

DIFx Resources on WHDC:

<http://www.microsoft.com/whdc/driver/install/DIFxtls.msp>

FAQ's are available at :

<http://www.microsoft.com/whdc/driver/install/DIFxFAQ.msp>

Also Newly Released ...

Device Installation FAQ

Download available at :

<http://www.microsoft.com/whdc/driver/install/installFAQ.msp>

This FAQ answers frequently asked questions about device installation on the Microsoft Windows family of operating systems. Driver developers can use the information in this FAQ to better understand and solve problems related to installing devices and drivers on PCs running Windows.

The information in this FAQ applies to the following versions of Windows:

Microsoft Windows codenamed "Longhorn"

Microsoft Windows Server™ 2003

Microsoft Windows XP

Microsoft Windows 2000

Included in this FAQ:

General questions about Plug and Play

Inbox drivers  
INF files  
Configuration Manager and SetupDi routines  
Coinstallers  
User Interaction  
System-file protection  
Digital signatures  
Service-side installation  
Troubleshooting installation  
Windows 9x questions

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