

Microsoft® DirectX™ 2 Software Development Kit

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Overview

About DirectSetup

DirectSetup is a simple application programming interface (API) that provides you with a one-call installation for the DirectX™ 2 components. This is more than a convenience; DirectX 2 is a complex product and its installation is an involved task. You should not attempt a manual installation of DirectX 2.

Using DirectSetup

Although there are two APIs provided by DirectSetup, only one is of use to you as an application developer. The other is designed for those who plan to install their own DirectX device drivers, and is not addressed in this document.

Although DirectSetup allows you to install a single DirectX component, such as DirectDraw, this is not recommended since the space saving advantages are minimal due to the interdependent design of DirectX components.

Reference

Functions

There are only two functions provided by DirectSetup, and only one of them, **DirectXSetup**, is of interest to you as an application developer. The other, **DirectXDeviceSetup**, is intended for use by manufacturers who want to install their own DirectX device drivers, and is not addressed in this document. The declarations for DirectSetup can be found in Dsetup.h.

DirectXSetup

```
int WINAPI DirectXSetup(HWND hwnd, LPSTR root_path,  
    DWORD dwflags);
```

Installs one or more DirectX components.

- Returns one of the following values:

SUCCESS

A 0 is returned if the setup was successful and *no* reboot is required.

A 1 is returned if the setup was successful and a reboot *is* required.

DSETUPERR_BADSOURCEIZE

A file's size could not be verified or was incorrect.

DSETUPERR_BADSOURCETIME

A file's date and time could not be verified or was incorrect.

DSETUPERR_BADWINDOWSVERSION

The Windows version on your system is not supported by DirectX.

DSETUPERR_CANTFINDDIR

The setup program could not find the working directory.

DSETUPERR_CANTFINDINF

A required .inf file could not be found.

DSETUPERR_INTERNAL

An internal error occurred.

DSETUPERR_NOCOPY

A file's version could not be verified or was incorrect. If the DSETUP_REINSTALL flag is specified, equal versions will be installed.

DSETUPERR_OUTOFDISKSPACE

The setup program ran out of disk space during installation.

DSETUPERR_SOURCEFILENOTFOUND

One of the required source files could not be found.

hwnd

Parent HWND for the setup dialog boxes.

root_path

Address of a string containing the root path of the DirectX component files.

dwflags

One or more flags used to indicate which DirectX components should be installed. A full installation is recommended.

DSETUP_D3D	Installs Direct3D.
DSETUP_DDRAW	Installs DirectDraw.
DSETUP_DIRECTX	Installs all DirectX components.
DSETUP_DPLAY	Installs DirectPlay.
DSETUP_DSOUND	Installs DirectSound.
DSETUP_REINSTALL	Installs even if the existing components are the same version.