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XP PC . 2011 Windows 7 1 DirectX Windows Windows DirectX DirectX DirectX SDK Windows 8 1 2012 11 Windows 8.0 SDK DirectX SDK Windows SDK DirectX SDK . DirectX SDK [7] DirectX SDK Windows SDK . DirectShow Windows SDK Windows Vista Media Foundation . Windows (8.0) SDK Visual Studio 2012 DirectX SDK DirectX SDK DirectX SDK DirectX SDK Windows (8.0) SDK SDK . DirectX SDK SDK 2012 DirectX SDK 2012 DirectX SDK . DirectX SDK DirectX SDK DirectX 11.0 12 DirectX SDK Windows (8.0) SDK Windows 10 SDK DirectX 12 DirectX SDK . DirectX SDK DirectX Windows 8.0 SDK Visual Studio 2010 Windows SDK 2017, 2019 2012, 2013, 2015 Windows 8.0 8.1 SDK . Windows (8.0) SDK Visual Studio 2010 DirectX SDK Windows 8.0 8.1 SDK . Windows SDK Visual Studio . . Windows SDK . Windows SDK . Windows SDK Windows SDK SDK 7.1 7.0 () . Windows SDK SDK Windows Visual Studio 2006 10 30 Windows XP 2 2005 6.0A 2007 11 19 Windows XP 2 2008 2007 3 22 Windows XP 2 2005 2008 2 5 Windows XP 3 2005 1 2009 7 24 Windows XP 3 2005 1 7.0A 2010 4 12 Windows XP 3 2010 2010 5 19 Windows XP 3 2005 1 7.1A 2012 11 26 Windows 7 2012 Update 1 (Windows XP) 8.0 2012 11 15 Windows 7 2010 8.0A 2012 9 12 Windows 7 2012 8.1 2013 10 17 Windows 7 1 2010 8.1A 2013 10 17 Windows 7 1 2013 10.0.10240 2015 7 29 Windows 7 1 2015 (2013) 10.0.10586 2015 11 30 Windows 7 1 2015 (2013) 10.0.14393 2016 8 2 Windows 7 1 2015 (2013) 10.0.15063 2017 4 5 Windows 7 1 2017 10.0.16299 2017 10 10 Windows 7 1 2017 10.0.17134 2018 5 8 Windows 7 1 2017 10.0.17763 2018 10 2 Windows 7 1 2017 10.0.18362 2019 4 18 Windows 7 1 2017 DirectX API API "" . [] DirectX 2.0 3D API 3D DirectX . DirectX 9.0 DirectX3D DirectX3D . DirectX SDK Windows 8 DirectX SDK Windows SDK . DirectX3D 12 2 DirectX3D 11 DirectX3D 11.4 DirectX 11 2D API DirectX SDK Windows SDK(7.0) . [13] DirectX3D [14] DirectDraw GDI/GDI+ . DirectX 8.0 DirectX3D 2D 2D DirectX3D . DirectX3D 2D . DirectX2D DirectX 10.1[15] DirectX 10.0 DirectX 9.0 CPU DirectX3D . Windows 8.0 SDK, DirectX 11.1 Direct2D 1.1 2D 1.0 5 . Windows 8.1 SDK, Directx 11.1 Direct2D 1.2 3D Direct2D . Windows 10 SDK , SVG . Direct2D 1.3 Windows SDK 10.0.15063 .UI GDI(+) 65535 , Direct2D GDI GPU . DirectX 11 2D API Direct2D . Windows 8 Direct2D DirectX SDK Windows SDK . DirectWrite 1.3 Direct2D Windows SDK 10.0.15063 .Direct2D GDI/GDI+ . GDI GPU . GDI/GDI+ DirectWrite HiDPI . Internet Explorer 10/11[16] , 2016 [17].Direct2D DirectWrite Windows 10 HiDPI . DirectX Graphics InfrastructureDirectX 10 - [18] API D3D9 DirectX3D D2D , D3D10 DirectX3D . Windows SDK 10.0.15063 DXGI 1.6 DirectX 11 GPGPU API GPGPU API API NVIDIA CUDA OpenCL MS DirectX . 4.0 D3D feature level 10 . DirectX 10.1 / API Xinput XBOX 360 XAudio . XAudio 2.93.1.7 . DirectX Raytracing[] DirectX 12(Version 1809) API GeForce 20 RTX TITAN V . 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DirectX 5.0 . Xinput Xbox 360 . (PC USB) . API . DirectInput HID(USB) . DirectX 1.0 API . . DirectX 8.0 9.0 XAudio2 . Windows XP ASIO API DirectSound 50 ~ 100 ms . Low Latency () Bit Perfect (Hi-Fi) . Kernel Wave Audio Mixer(KMixer) . 100 ~ 200 ms . Windows Vista DirectSound KMixer WASAPI . EAX . DirectX 3.0 3D API . DirectX 5.0 . Creative EAX DirectSound3D API . Windows Vista WASAPI . EAX . API DirectX 10 . Interactive Music Architecture ActiveX DirectX 6.1 DirectMusic API . DirectSound MIDI BGM . MIDI (BGM) API MIDI DirectX 8.0 DirectSound . [21] Windows Vista . MIDI IN OUT thru . DirectMusic deprecated Windows . DirectMusic MIDI DMus Miniport , Windows 98 MME 2022 . Microsoft UWP MIDI API DMus Miniport . [22] Pro Tools/Cubase [] MME DMus Miniport DMus Miniport [] . [23]Cross-platform Audio Creation Tool 2002 / API . Xbox Audio Creation Tool XBOX PC . XACT3 Windows 8 . XNA . Windows API 1996 3 ActiveMovie 1997 DirectX 5.0 DirectX DirectShow . . . Windows Media Encoder 9 MF . DirectX SDK 2005 2 Windows SDK Windows Vista Media Foundation . 3.2.9 . DirectX Media Objects[]COM / API . API DXVA . DirectShow DirectShow . Media Foundation Media Foundation Transforms(MFT) DMO MS / MFT . DirectX 7 API . . DirectPlay . API 90~2000 . DirectPlay UDP . TCP . (NAT) DirectPlay UDP . MMORPG IPX . MMORPG TCP IOCP . DirectPlay . DirectPlay API . DirectX 1990 TCP, UDP . , IPX . IPX . TCP API API . UI . DirectPlay API . (Gamespy) DirectPlay DirectPlay . MMO DirectPlay . DirectPlay API . 2000 IPX TCP, UDP . Windows Socket API(Winsock) . DirectPlay Winsock . DirectPlay Winsock . , IPX . Windows Socket API DirectPlay . (MMO) DirectPlay . DirectX 8 DirectPlay . DirectX3D 10 . DirectX 8 DirectPlay MMO . QoS Winsock . DirectPlay IPX . . DirectX 8 DirectPlay . . DirectX 8.0 . DirectPlay Windows / DirectX . [24]DirectPlay XNA PC Xbox . XNA 2013 . DirectX 7 . DirectX SDK Windows 7 Standalone SDK Deprecated Windows SDK Windows 8 D3DX Deprecated . d3dx9 . d3dx9 42.dll d3dx . X . DirectX/ Windows CE GAP(Game API) DirectX . DirectSound . DirectX . 1990 PCM(WAV) CD MIDI . PCM . DirectSound PCM DirectX 3.0 DirectXSound3D 3D 5.0 3D . MIDI DirectMusic DirectSound . MS BGM MIDI . DirectX 8.0 DirectX Audio XBOX360 XAudio 2008 3 Windows XAudio XAudio 2 Windows 10 SDK XAudio 2.9 . DirectShow Windows SDK Windows Vista Media Foundation . DirectX DirectDraw . Windows XP 1 . Windows Vista DirectX 10 DirectX 9.0c DirectX 9.0c d3dx9 ** dll . [25] DirectX End-User Runtime(DirectX) . () DirectX . Windows 8 DirectX 11.1 . Windows 8.1 DirectX 11.2 . Windows 10 DirectX 11.3 . 12 DirectX 9.0 . 9.0c . 11.0 DirectX 11.0 DirectX SDK DirectX 12 11 DirectX 12 . DirectX 11 DirectX 12 . . 3dfx API 1990 API DirectX 5.0 SDK 6.0 6.1 7.0 API 1999 . DirectX 12 () . DirectX 11 . . DirectX 12 NVIDIA AMD . AMD NVIDIA . AMD . NVIDIA DirectX 12 2019 . . 4 Windows 10 . DirectX 11.0 Windows 7 . DirectX 12 . . DirectX 12 11.0 . DirectX 12 . DirectX 12 API . AMD API DirectX 11 DirectX 12 . AMD DirectX 12 . DirectX 11 NVIDIA (AMD ' ') . .NET Framework UI WPF(Windows Presentation Foundation) Windows API GDI, GDI+ Windows.Forms DirectX . DirectX 9 dgVoodoo DirectX . [26][] MS ' ' . 'Direct' . . [2] 2021 10 5 [3] DirectX Windows 10 WDDM 2.9 WSL 2(Windows Subsystem for Linux) , X . [4] 2 DirectX 9.0c DirectX 8.1 . [5] OS(Windows 11) . OS DirectX DirectX 9.0c . [6] Windows Vista XP 9.0c . [7] d3dx. Deprecated . [8] Microsoft Windows Software Development Kit for Windows Vista and .NET Framework 3.0 Runtime Components[9] Microsoft Windows Software Development Kit Update for Windows Vista[10] Windows SDK for Windows Server 2008 and .NET Framework 3.5[11] Windows SDK for Windows 7 and .NET Framework 3.5 SP1[12] Windows SDK for Windows 7 and .NET Framework 4[13] DirectX SDK Windows SDK(7.0) . [14] DirectX 8.0 . 9.0 DirectX3D 2D 2D 3 . [15] DirectX2D 1.1 DirectX 11.1 . [16] Windows 7 . []E 11 j[]17] 2013 , DirectWrite 2013 . [18] . [19] CPU 0 . CPU [20] Xinput 4 [21] wise fmod PCM . [22] UWP DMus Miniport WDM DeviceControl . DirectMusic deprecate API . deprecate API Microsoft . [23] DMus Miniport . RME . [24] (M) (N) DirectPlay . cmd dism /online /enable-feature /all /FeatureName:"DirectPlay" [25] Vista DX 9 d3dx9 ** dll . [26] nVidia Optimus . . 3D DirectX Windows PC . DirectX 12 Microsoft DirectX . DirectX 11 . DirectX 11 . Windows DirectX 11 . Windows 10 11 DirectX . 2009 Windows Vista DirectX 11 . PX DirectX 3D . HD . DirectX 11 Direct3D 11 3D . Computer Shader, Dynamic Shader Linking, Tessellation Multithreading . DirectX 12 Windows 11 Windows 10 . DirectX DirectX 11 . DirectX 11 . Windows . ZIP . Extract All . . DirectX 11 . DirectX DirectX 11 . Windows + R . dxdiag DirectX . PC DirectX Windows 11 Windows 10 DirectX 12 DirectX 11 . . Windows 10 DirectX 11 . . Windows 10 Windows 11 DirectX 11 . Windows 10 11 DirectX 11 . . DirectX 11 . PC DirectX 11 DirectX 11 . Microsoft X PC . X D3DX, Xinput.dll, x3dAudio.dll, XAPOFX.dll x . directx 11 x 12 . 2m . directx 11, directx 12 x . X DirectX 12 , DirectX . X 12 X (DirectX)Direct X 9.29.1974 dxwebsetup.exe / 286KB 7, 8, 8.1, 10 X . , 3d pc [] +[R] . . 'dxdiag' DirectX . X DirectX X 11 . directx . X . DirectX . X . X . X DirectX . X . DirectX / . . DirectX . . DirectX . DirectX . + R . DirectX dxdiag.exe . DirectX . DirectX . DirectX 11 . DirectX SDK . . DirectX Microsoft DirectX D3DX9, D3DX10, D3DX11, XAudio 2.7, Xinput 1.3, XACT / Managed DirectX 1.1 DirectX SDK .www.microsoft.com . [] . DirectX . 300KB . exe . [] . . Bing . . DirectX . Posted by 1 DirectX . XDownload DirectX Windows / Utility / Editors' Rating (Microsoft) Microsoft DirectX 12 API dxwebsetup.exe 289 KB - X . , Windows API() . X . - DirectX DirectX . 2 D3DX, Xinput Managed DirectX . DirectX . Windows Me Windows XP . Microsoft . MicrosoftDirectXD3DX9,D3DX10,D3DX11.XAudio2.7,Xinput1.3,XACT/ManagedDirectX1.1DirectXSDK - WindowsServer2008.WindowsXPServicePack3.WindowsServer2003ServicePack1.WindowsServer2003ServicePack2.WindowsVistaD3DX9, D3DX10, D3DX11, XAudio 2.7, Xinput 1.3, XACT / Managed DirectX 1.1 DirectX SDK . X . 1 . 2. [] . 3 . X . 4 . . FAQ x(DirectX) . 'dxdiag' . 'dxdiag' ' ' . [] 'DirectX' . "Windows 10 Ver1809(RS5) MS Office(Ver 1810) DirectX . dll . [] - - Windows [] .NET Framework 3.5 (.NET 2.0 3.0) [] . " . .NET Framework 3.5 (.NET 2.0 3.0) [] . . 'x' x . DirectX . DirectX . . DirectX 9.0c DirectX 7 DirectX 7 . DirectX . DirectX DirectX NAVERSOFT' , , , iOS' .

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