

This is part of **Win16 API** which allow to create versions of program from one source code to run under OS/2 and Win16. Under OS/2 program can be running under Win-OS/2 if program is Windows NE executable, and with help on Windows Libraries for OS/2, if it is OS/2 NE executable. Here is a WLO to OS/2 API mapping draft

2021/09/01 04:23 · prokushev · 0 Comments

Win16 Personality: A Windows 3.x Compatibility Layer

The Win16 Personality is a project to create a free, open-source reimplementation of the 16-bit Microsoft Windows 3.x operating environment. It aims to provide compatibility with Windows 3.0, Windows 3.1, and Windows 3.11 for running classic Win16 applications.

Project Goals

- Provide binary compatibility for a range of applications built for Windows 3.1/3.11.
- Reimplement core system components: KERNEL.EXE, USER.EXE, GDI.EXE.
- Serve as a research and educational platform for the classic Windows 3.x architecture.
- Integrate the Win16 environment as one of the “Personalities” within the osFree microkernel OS, and ensure it can also run on pure DOS.

Current Status

The project is in early development (alpha stage). Current work focuses on the core 16-bit KERNEL. Critical GUI subsystems USER and GDI, required to run most Windows 3.x programs, are not yet implemented. The first practical milestone is to correctly run simple system utilities like WinVer.

Components and Applications

As part of the project, clones of classic Windows 3.x applications are also being developed:

Name	Description	Status
CALC (pure API)		
CALENDAR		
CARDFILE		
CHARMAP (pure API)		
Clipboard Viewer (pure API)		**Done**
Clock (pure API)		**Done**
Control Panel		
DRWATSON		

Name	Description	Status
EXPAND		**Done**
FASTOPEN		**Done**
MPLAYER		
MSD		
Notepad (pure API)	a clone of the simple text editor	**Done**
PACKAGER		
PBRUSH (ATL)		
PIF Editor (pure API)		
PRINTMAN		
Program Manager (pure API)		
REGEDIT		
SETUP		
SOL (pure API)		
Sound Recorder		
System Configuration Editor (pure API)		**Done**
Task Manager (pure API)	a clone of the Task Manager	**Done**
WINFILE (pure API)		
WINHELP (pure API)		
Minesweeper (pure API)		**Done**
WINSHELD		
Windows Version (pure API)	a clone of the system utility displaying Windows version	**Done**
WRITE		

The main project source code is available in the repository: https://github.com/osfree-project/WIN16 osfree-project/WIN16

Related Pages

- Main osFree page
- Wikipedia article about this OS family

API

- BIOS API
- DOS API
- XMS API
- Task List API
- DOSX API
- LOGO API
- Screen grabbers API
- Task switcher API
- SYSTEM driver
- KEYBOARD driver
- MOUSE driver

- DISPLAY driver
- KERNEL modue
- GDI module
- USER module
- SHELL module
- LZEXPAND module

From:
https://osfree.org/doku/ - **osFree wiki**

Permanent link:
https://osfree.org/doku/doku.php?id=en:docs:win16&rev=1766322748

Last update: **2025/12/21 13:12**