

WINE - Wine Is Not an Emulator

What is WINE?

WINE is basically a software API, that acts as an interface to the applications running on the wine platform and the linux operating system. For this implementation of software API, a library is provided by the platform known as Winelib and this library is completely written in C.

Why use WINE?

The major reason to use wine is there are large number of native applications made on windows platform, which have not to be implemented on Linux OS. Not being an emulator, the apps run fast and at near native speed.

Emulator	WINE
complete recompilation of code for all the different architectures	apps run directly , with native support
The apps run relatively slow on machines	the apps run natively fast

How is the WINE implemented?

WINE is very similar to the X11 desktop system , and uses Wine server as background process which handles all the request for changes in graphical interfaces and others.

The basic creation of WINE is through the implementation of DLL's, which are basically Dynamic Linked Libraries which acts as shared libraries for different apps running on the system, since the windows software is proprietary , everything is reverse engineered from the scratch. This method is known as Blackbox testing.

Features of WINE

The WINE is compatible to oldest version of windows till WIN 3.0 . Its compatible even with 64 bit applications. And even third party softwares are also available like PlayOnLinux,PlayOnMac, Wineskin winery etc.

Demo of WINE