

Rapid Software Reuse on any OS with Performance Optimization.

OS Changer is a C/C++ source-level virtualization technology that allows you to easily re-use your software developed for VxWorks, pSOS, Linux/POSIX, Windows, Nucleus, ThreadX, micro-ITRON, µC/OS and FreeRTOS on another OS, while providing real-time performance. It eliminates the manual porting effort, saves money and shortens the time to market. The appropriate OS Changer Interface connects to your existing application that was developed on your current OS while the OS Abstractor target specific module (specific to your target OS) provides the connection to the OS you are moving to.



WHY CHANGE YOUR OS?

- Switch to an OS that offers support for your next generation hardware
- Switch to an OS that is more economical and/or requires no royalty payments
- Switch to an OS that is free and open-source
- Switch to an OS that provides better development tools
- Switch to an OS that offers a wide range of driver, protocol and middleware support
- Switch to an OS that offers you better performance and a smaller memory foot print
- Switch to an OS that meets your required certification standards

AVAILABLE PORTING KITS AND SUPPORTED TARGET OPERATING SYSTEMS

OS Changer Porting Kits are available for installation on either Windows or Linux host platforms. Based on your application, please select the appropriate porting kit(s) below and refer to the corresponding technical datasheet.

VxWorks Porting Kit
pSOS Porting Kit
µC/OS Porting Kit

Nucleus Porting Kit
Windows Porting Kit
FreeRTOS Porting Kit

Linux/POSIX Porting Kit
micro-ITRON Porting Kit

ThreadX Porting Kit
Porting Kit for in-house OS

Below are the Target Operating Systems supported by the OS Changer Porting Kits:

Android®
eCOS®
Linux™
LynxOS®
LynxOS-SE®
LynxOS-178®
micro-ITRON

Freescale MQX®
NetBSD®
Nucleus®
QNX Neutrino RTOS®
RT Linux®
Solaris®
ThreadX®

µC/OS III™
Unix®
VxWorks®
Windows®
FreeRTOS™
In-House

WHY OS CHANGER?

- Protect your existing software investment now and in the future
- Shorten the learning curve on a new OS by developing with the familiar APIs of the current OS
- Capture new markets by extending the support of your product to include many different operating systems
- OS Changer is provided in full source code with no royalty fees
- OS Changer enhances the robustness and performance of your application with advanced real-time features and supports a wide variety of target and host OS platforms

OS CHANGER PORTING KIT CONTENTS

- Application Common Operating Environment (AppCOE): An eclipse based IDE for porting of C/C++ applications
- One OS Changer Interface for the OS you are moving from
- Specific OS Abstractor Target Specific Module for the target OS you are porting to
- Library Package Generator
 - > Full library source code of the OS Changer Interface and OS Abstractor Target Specific Module for your target platform
 - > Sample demo applications
 - > Project build files for supported tools & IDEs for your target environment
- Optimized Target Code Generator
 - > Generates the OS Changer Porting Interface and OS Abstractor Target Specific Module source code, specifically optimized for your application and target environment
 - > Creates project files for your target IDE
 - > Includes the system settings you chose in the GUI-based Wizard
- OS Simulator for your chosen OS Changer Interface for host development/simulation
- Profiler to view performance data of your application and OS Changer Interface for your target

RELATED LINKS

- Please refer to this link for the latest release notes about the API coverage provided by OS Changer:
http://www.mapusoft.com/wp-content/uploads/documents/Release_Notes.pdf
- A free evaluation can be downloaded here:
<http://mapusoft.com/downloads/>
- For user manual & technical documentation visit this link:
<http://www.mapusoft.com/techdata/>
- For any technical or sales questions please submit a ticket at the MapuSoft support site at this link:
<http://mapusoft.com/support/>