

MAPUSOFT'S SOLUTION FOR THE MEDICAL INDUSTRY

WITH MAPUSOFT YOU CAN

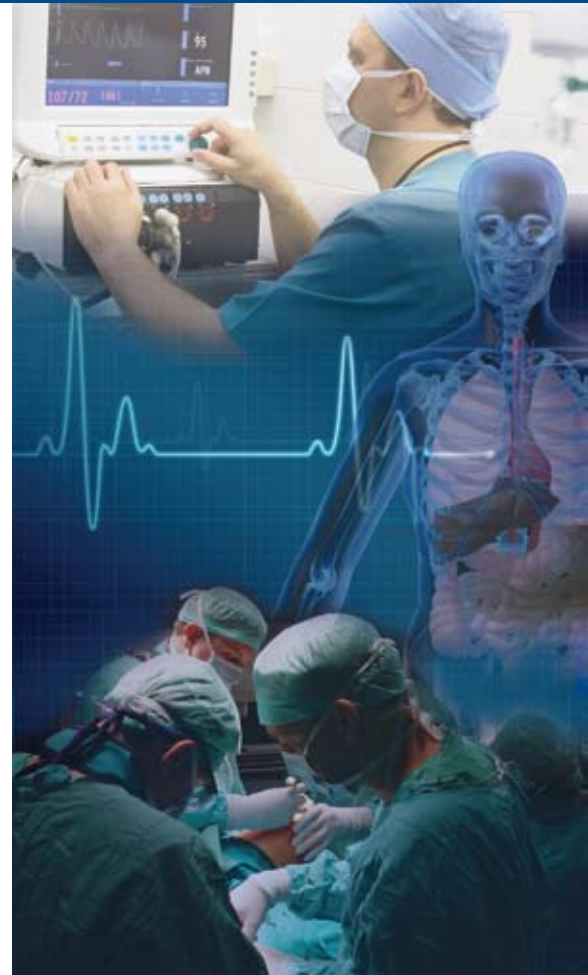
- Reuse legacy code with OS Changer
- Develop applications with safety critical features using OS Abstractor
- Port, abstract and optimize your code on a host with OS PAL

USE OS CHANGER TO REUSE YOUR CODE

- OS Changer is offered royalty-free with source code
- Protect your software investment by re-using your legacy code on new platforms
- Use familiar APIs to develop new applications to eliminate the learning curve on the new OS
- Reduce time to market by migrating to different platforms quickly and easily
- OS Changer is highly optimized for each specific OS platform
- Eclipse-based host environment is available to port applications using OS Changer in OS PAL
- Reduce on-going development and maintenance cost
 - Develop target specific code on a host platform
 - Re-use legacy code across multiple host & target OS platforms
 - Break down legacy application to manageable pieces to reduce complexity and add protection
 - Use same APIs for inter-task and inter-process communications

USE OS ABTRACTOR FOR DEVELOPMENT

- Using a standardized OS interface architecture will
 - Reduce the learning curve associated with adopting a new OS by using intuitive, flexible and standard APIs across multiple operating systems
 - Protect software investment by enabling efficient software re-use across multiple platforms
 - Eliminate manual updates to applications when upgrading to newer versions of OS
- Enhances performance and reduces memory footprint of your application
 - Maximizes use of compile-time translations
 - Maximizes use of low-level OS functions
 - Zero data copy of messages - BASE OS Abstractor APIs
 - Static allocation of control blocks
 - Scalability at component & feature levels
 - Provides Task Pooling feature to reuse task envelopes
- Enable modular application development
 - Use same APIs to communicate within & across applications and processes



MAPUSOFT'S MEDICAL CUSTOMERS

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- **Baxter Healthcare**
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MapuSoft Technologies, Inc.
1-877-MAPUSOFT (1-877-627-8763)
www.mapusoft.com

MAPUSOFT'S SOLUTION FOR THE MEDICAL INDUSTRY

- Restrict limit on individual application's heap memory
- Protect resources or optionally share them with other applications and processes
- Automatically free up resources upon process deletion
- Provides advanced development features
 - Real-time enhancements and other OS features
 - Unique process features enables independent development of complex and multiple applications
 - Dynamic application reconfiguration and restart
- Available add on POSIX OS Abtractor offers a high level of POSIX code re-usability across many supported POSIX and non-POSIX operating systems

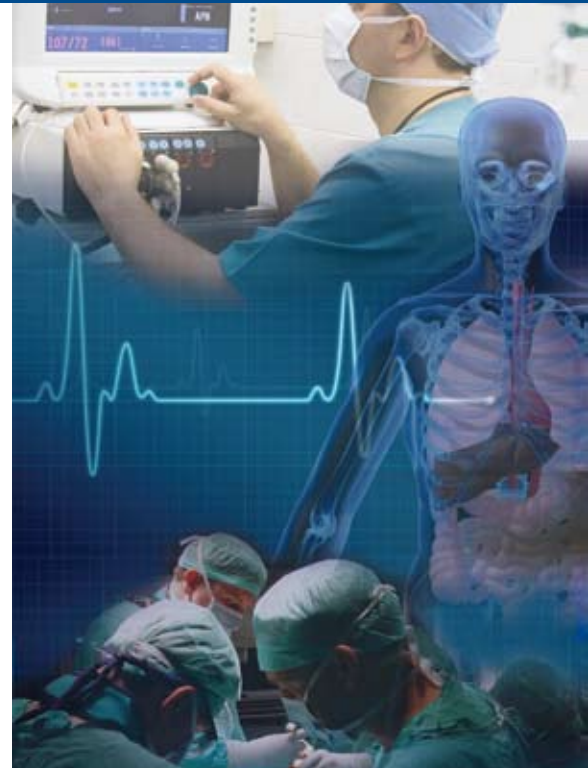
USE OS PAL TO PORT, ABSTRACT AND OPTIMIZE CODE

Using OS Changer and OS Abtractor can be even easier on a host platform with OS PAL's easy-to-use graphical user interface that is integrated with the Eclipse® based CDT environment.

- OS PAL simulates various OS interfaces such as VxWorks, pSOS, POSIX and Nucleus on host development environments so users can develop embedded code with preferred OS APIs and without the target hardware
- VxWorks®, POSIX, Nucleus® and pSOS® API interfaces are available for porting legacy applications on host platforms to multiple target platforms
- BASE OS Abtractor APIs are available to provide a standard real-time OS interface architecture for developing new and highly portable applications
- POSIX OS Abtractor APIs are available to leverage re-usable open source Linux/POSIX code to efficiently add feature-rich services in a cost effective manner
- OS PAL's state-of-the-art Eclipse based IDE offers seamless integration into existing development flows enabling a high degree of usability and productivity
- OS PAL reads application source code to determine the services used by your application and produces OS specific interface code optimized for your specific application and for each target OS platform
- OS PAL generates project files for your target IDE

MAPUSOFT
Porting Made EasySM

MapuSoft Technologies, Inc.
1301 Azalea Road, Mobile, AL 36693
Tel: 251-665-0280, Fax: 251-665-0288
Toll Free: 1-877-MAPUSOFT (1-877-627-8763)
Email: info@mapusoft.com
www.mapusoft.com



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