AppCOE™

Application Common Operating Environment (AppCOE) is a framework of common architecture that promote code-reuse, software interoperability and Cross-OS platform capabilities among systems and devices. It is built on the powerful open source Eclipse framework and integrates all of MapuSoft tools.

OS Changer® Porting Kit

Linux OK™

OS Abstractor®

Application-OS Profiler™

AppCOE™
Application Common Operating Environment

Cross-OS™ Development Platform

RTOS Simulator™ for Academic

OS Version Up Kit™

RTOS Simulator™ for Developers

Ada-C/C++ Changer™
Ada-Java Changer™
Ada-C# Changer™

Programming-Language Changer

DesignDoc Tools

Why use AppCOE?

- Provide freedom from code getting locked to a specific platform, protect investment and adds stability to embedded applications

- Supports multiple embedded development languages (C, C++, and Ada) and development API interfaces (OS Abstractor, VxWorks, Linux/POSIX, Windows, micro-ITRON, μC/OS, FreeRTOS, ThreadX, Nucleus, VRTX, QNX, RTLinux and pSOS)

- Powerful Cross-OS feature generates code to support the following target OS's:

Android	LynxOS-178	NetBSD	Solaris	VxWorks
eCOS	LynxOS-SE	Nucleus	ThreadX	Windows
Linux	μITRON	QNXNeutrino RTOS	μC/OS III	FreeRTOS
LynxOS	Freescale MQX	RT Linux	Unix	In-house

- Profile applications on target to identify performance bottleneck and perform code optimization
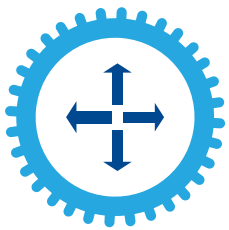
AppCOE™

OS Changer Porting Kit

Rapid Software Reuse on any Operating System with Performance Optimization

- Re-use your C/C++ software developed for VxWorks, Linux/POSIX, Windows, micro-ITRON, µC/OS, FreeRTOS, ThreadX, Nucleus, VRTX, QNX, RTLinux and pSOS on another OS
  https://mapusoft.com/os-changer-porting-kit

Cross-OS Development Platform

Develop Once to Deploy on Multiple Platforms with Ease

- Develop C/C++ software using one or multiple OS Interface options and run the same code base on multiple operating systems
  https://mapusoft.com/cross-os-development-platform

OS Abstractor

MapuSoft's OS Abstraction Layer (OSAL)

- Is a commercial-grade OS Abstraction Layer (OSAL) designed without a layered implementation in order to provide better performance at lower cost
  https://www.mapusoft.com/os-abstractor

RTOS Simulator for Developers

Develop, Run and Test Applications on a Virtualized Host Platform

- Develop, run and test embedded applications on Windows or Linux host environments without the need for the original OS or expensive target hardware
  https://www.mapusoft.com/rtos-simulator-developers

RTOS Simulator for Academics

Develop, Run and Test Applications on Windows or Linux Host and Test on Hardware

- Cross-compile, Download and Test Applications on various supported Target Hardware
  https://www.mapusoft.com/rtos-simulator-academic

AppCOE™

Ada-Changer

Automatically convert Ada code to C/C++/Java/C#

- Compile Ada code using C/C++/Java/C# tools and support target platforms not supported by Ada
  https://mapusoft.com/ada-to-c-changer

OS Version UpKit

Upgrade Your OS Version without Manual Porting Effort

- Easily upgrade Linux and POSIX applications to a newer version of the OS
  http://www.mapusoft.com/os-version-upgrade-kit

Application-OS Profiler

Gather Performance Data for Your Application and Platform

- Identify performance bottlenecks and compare performance metrics on various target environments
  https://www.mapusoft.com/appcoe
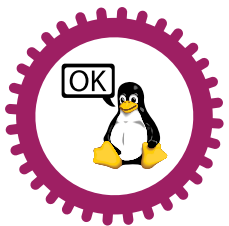
Linux OK (Linux Optimization Kit)

Linux Optimization Kit: Increase Performance of Linux Applications

- Provides kernel and application specific optimization features all aimed at increasing CPU performance, speeding up boot-time and reducing memory footprint for Linux applications
  https://mapusoft.com/linux-optimization-kit

Programming-Language Changer

Automated Software Language Conversion

- Converts legacy application code from over 30 programming languages into modern languages.
  https://mapusoft.com/programming-language-changer

DesignDoc Tools

Automated Software Language Conversion

- DesignDoc tools can be used to fully understand your existing software in terms of complexity, similarity, dead code, and external dependencies.
  https://mapusoft.com/designdoc-tools
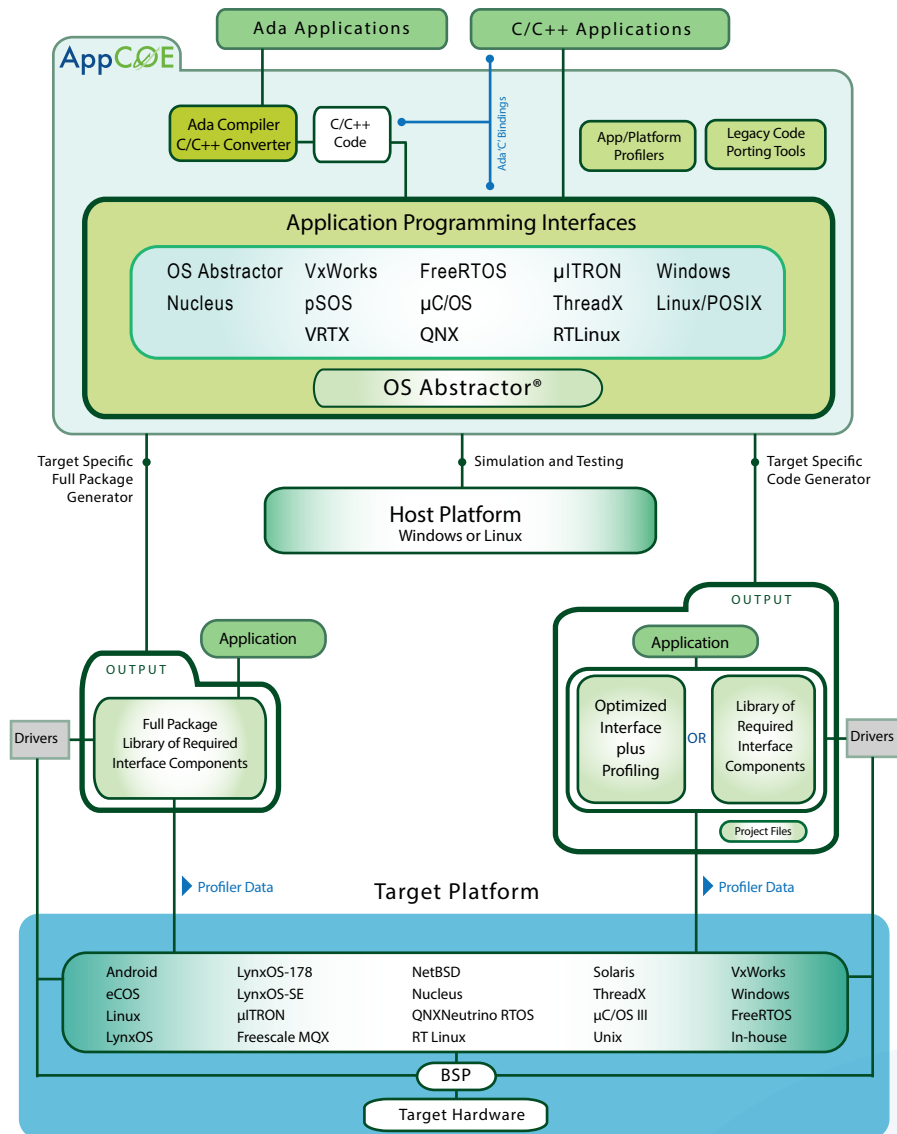
RELATED LINKS

- A free evaluation can be downloaded here:
  http://mapusoft.com/downloads/
- You can contact MapuSoft to request a license key for evaluation here:
  http://mapusoft.com/contact
- For user manual & technical documentation visit this link:
  http://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/

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