



INTER-OPERABILITY MADE EASY



MapuSoft is the global leader in software interoperability & reusability solutions that provide freedom, protection and stability to embedded applications





FREEDOM

Don't confine your
code to one platform



PROTECTION

Protect software
investment



STABILITY

Robust and
optimized platform





OS Changer®
Porting Kit

Linux OK™

OS Abtractor®

Application-OS
Profiler™

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

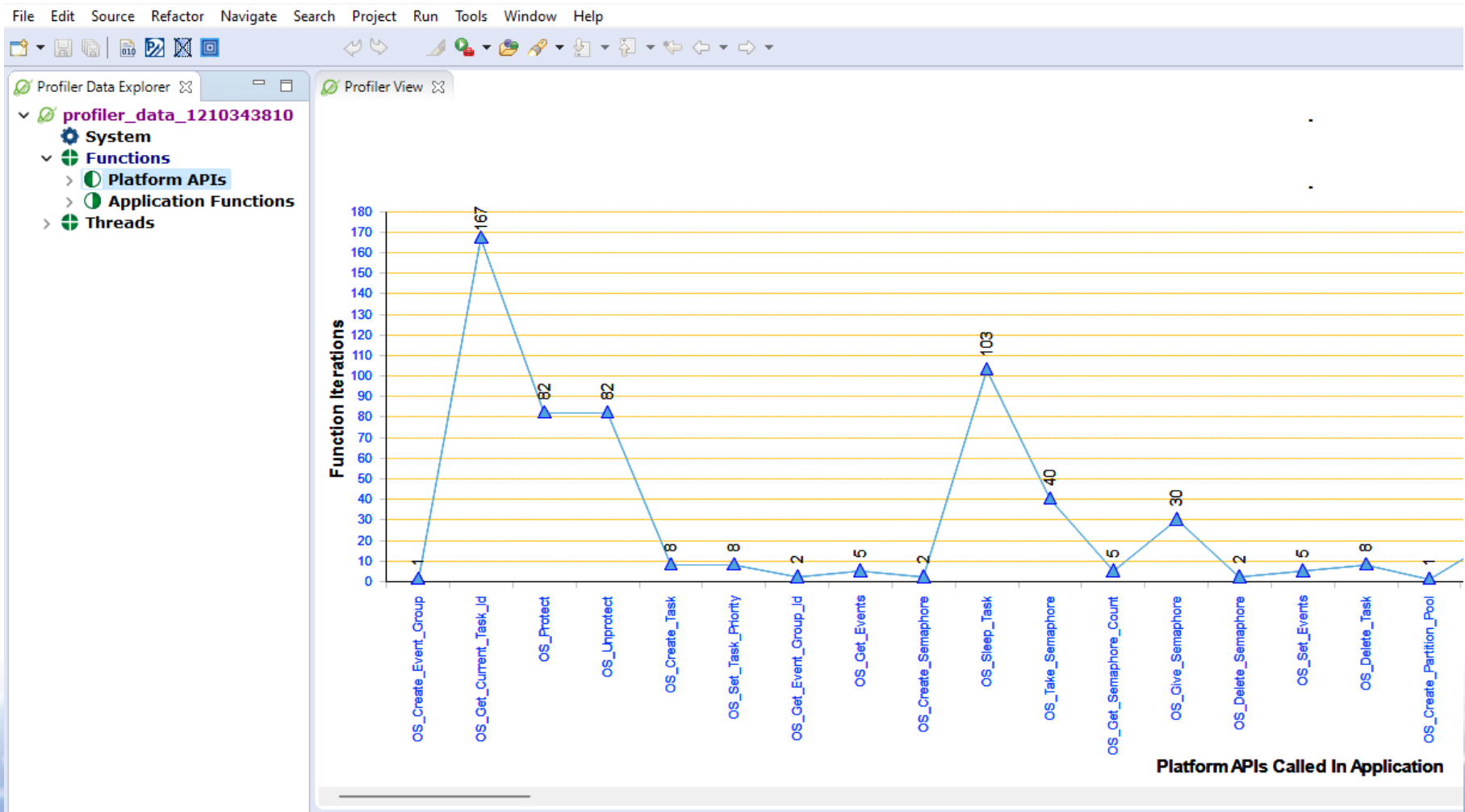


Application-OS Profiler

- When Application runs on target, the profiler starts, and once data collected creates a data file. View data off-line in AppCOE for analyzing Application performance & bottle-necks
- Collect execution timing & execution count Application functions and the calls made by the application to the OS via Cross-OS APIs
- Graphically view data in chart formats system-wide or per task
- Generate report to identify best/worst/average execution times
- Generate comparison report on Application's performance on different environment (like App Configuration, OS, Hardware, etc.)
- Configure profiler task priority, # of records to collect and select functions to profile via AppCOE code generation GUI

Application-OS Profiler

Execution Count – Line Graph



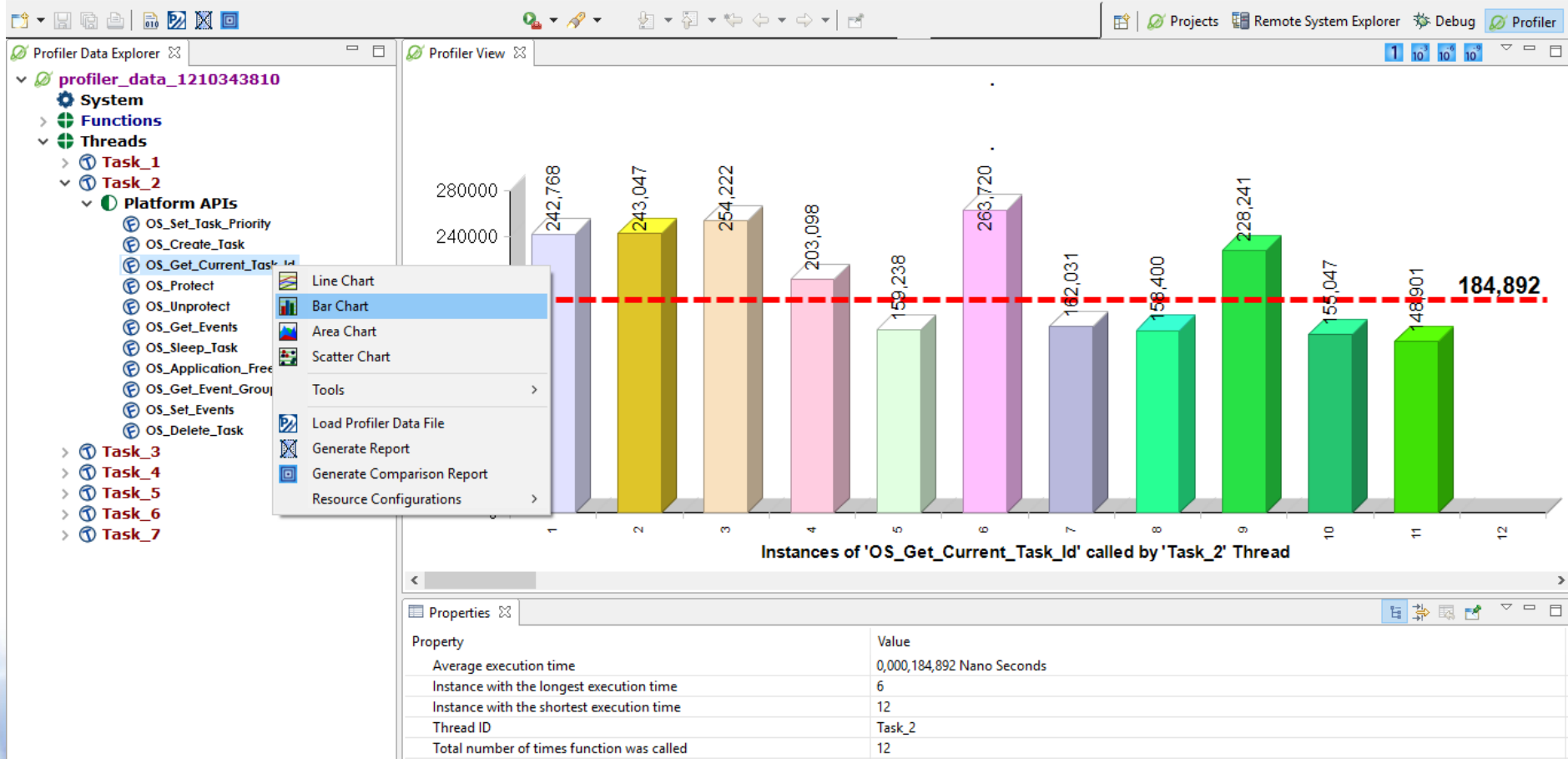


Application-OS Profiler

Performance Data – Bar Graph

Profiler - Application Common Operating Environment (AppCOE)

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Application-OS Profiler

Performance Data – Line Graph

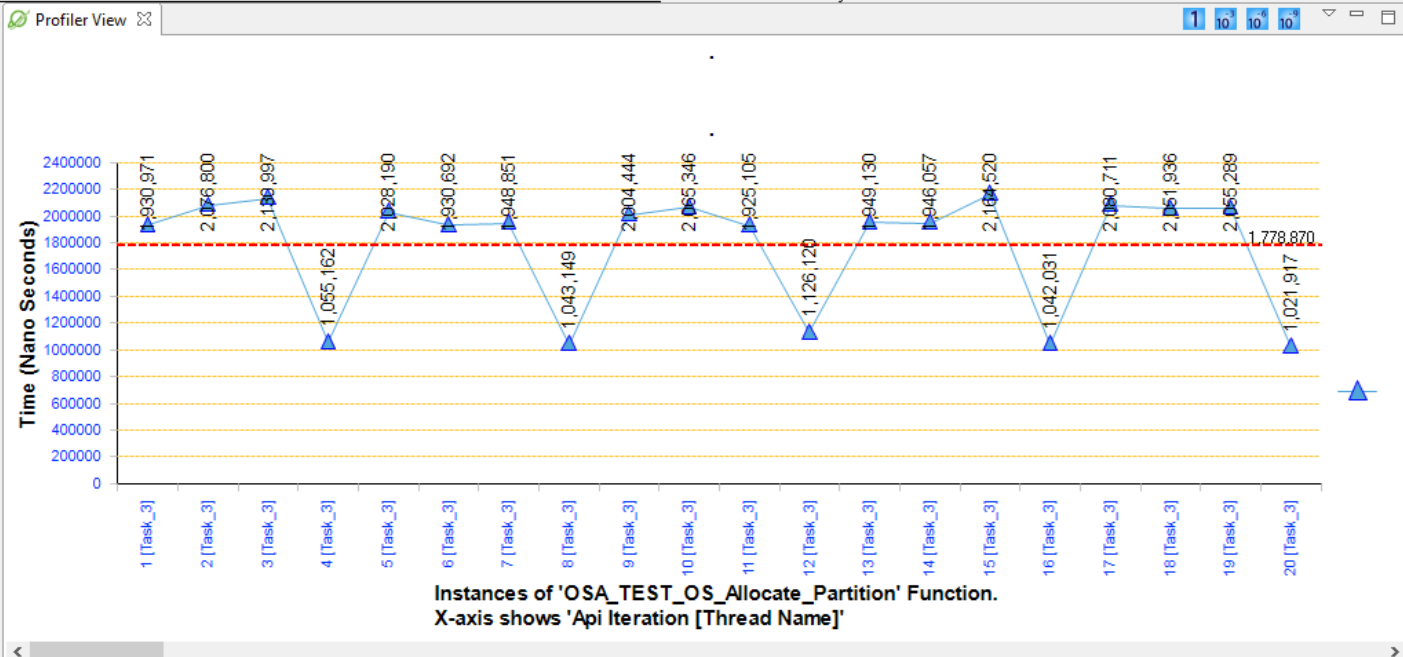
Profiler - cross_os/source/os_get_hr_clock_freq.c - Application Common Operating Environment (AppCOE)

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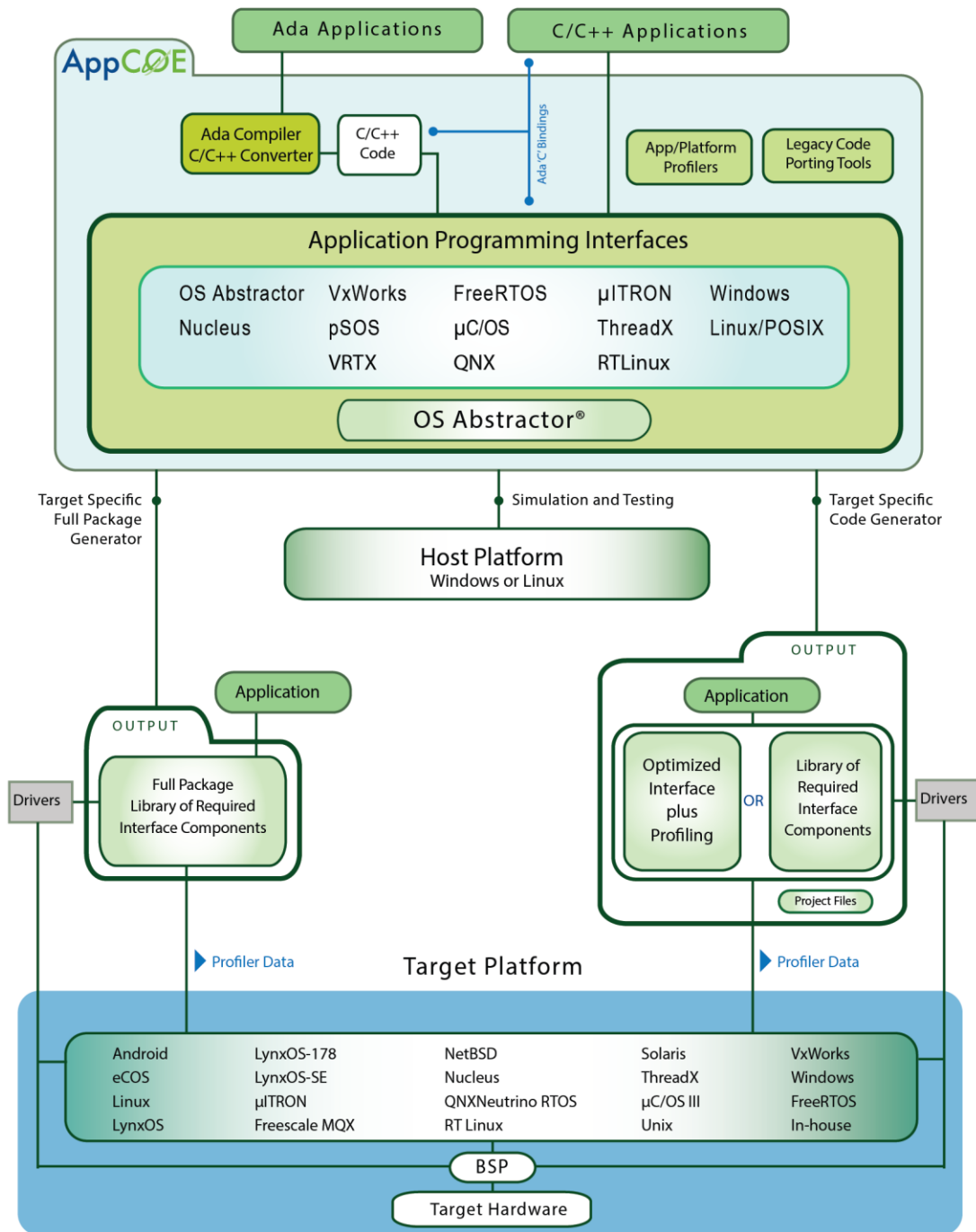


Projects Remote System Explorer Debug Profiler

- Profiler Data Explorer
- profiler_data_1210343810
 - System
 - Functions
 - Platform APIs
 - Application Functions
 - OSA_TEST_OS_Create_Partition_Pool
 - OSA_TEST_OS_Allocate_Partition
 - OSA_TEST_OS_Deallocate_Partition
 - OSA_TEST_OS_Delete_Partition_Pool
 - Threads



Properties	
Property	Value
Average execution time	0,001,778,870 Nano Seconds
Instance with the longest execution time	15 [Task_3]
Instance with the shortest execution time	20 [Task_3]
Total number of times Application Function was called	20



AppCOE™

Application Common
Operating Environment