

OSChanger benefits to Silicon Vendors

Using the OSChanger Platform, Silicon vendors can develop proof-of-concept demo software quickly and easily across various RTOS/Peripherals. Why spend a lot of time and money developing software that you do not sell and just use it for demo purposes?

In a nutshell, OSChanger provides you the following

- Wrapper-less RTOS abstraction APIs
- Unix-style Device I/O APIs
- Set of core ANSI APIs
- Off-the-shelf RTOS integration solution that you can use readily

You may have an abstraction solution in-house, but it

- Costs time, money and requires skillful resources to maintain and support, which takes the focus away from developing your core products
- Greatly restricts applications and firmware development by allowing them to use only limited OS features
- Makes it harder to migrate solutions from OS platforms to yours
- Increases in complexity/code size as you extend support and will eventually become too hard to maintain
- May degrade OS performance if not implemented correctly
- Require you to obtain costly licenses from various RTOS vendors for you and your downstream to test your solution every time you add RTOS support

Easily port your existing code from one RTOS to another using the compatibility kits that we have. You can also directly map your existing wrapper interface API to OSChanger to allow the translation to occur at compile time instead of run-time.

Use our compatibility APIs to develop native RTOS applications using the API that is preferred by your customer. This will give your customer a head start in understanding your software and in fact re-use it in their real products.

Why not make it easy for your customers to adapt to your silicon/RTOS solution? OSChanger Abstraction APIs allow your customers to do an in-house RTOS port to your silicon using our off-the-shelf RTOS integration solution. This saves your customer from the additional RTOS and even tools licensing cost and they are thankful that you are not forcing them to change RTOSs to adapt to your solution. Also, customers who have decided to go with a low-cost RTOS alternative can now greatly benefit from the OSChanger compatibility APIs to migrate the existing code and readily re-use it.

From a technical point of view, our products will enable you to develop your software rapidly with very little RTOS worries. Our feature-rich RTOS/Device abstraction provides you a greater level of flexibility in your development and allow both your application and driver code re-usable again and again.

We comb the RTOS source code line by line to see what is going on inside the black box and implement our design to provide you the best abstraction in the market. Our expertise saves you time and money and put your engineering focus back into your core products.

Having an architecture that allows easy adaptation of industry standards for developing applications and drivers is of great value to you and your end customer. This will allow you to easily find the necessary solutions and skill-set needed for your product in the market place. Customers needing a lot of additional peripheral support can now find it much easier to either port their existing driver or a driver from the open source community. Even in situations where your downstream customers may have their own abstraction, their code can be readily ported using our various industry standard compatibility APIs.

Our motto is to give our customers the freedom to choose an RTOS and use it with a familiar APIs. Why not give this freedom to your customers also? You want them to easily change RTOSs so you can offer them an economic hardware solution that they can afford.

Why start all over? Current market and economy conditions have placed a lot of restrictions on starting new projects from scratch. OSChanger is a big cost and time saver that allows customers to recycle existing application/driver code base to rapidly get the product to market.

On one hand, the customers don't want to change RTOSs (due to license cost, porting work, re-learning new RTOSs), but on the other, they are forced to do so by the availability of attractive hardware discounts and royalty-free RTOS license models. Showing them your low cost solutions with sample demo applications in their familiar RTOS API will greatly interest them in your solution.

OSChanger is the ONLY product on the market that provides you the abstraction along with backwards compatibility with popular APIs. Interestingly, the OSChanger products in themselves are fully portable by easily modifying two RTOS interface files.

Please contact us to find out more on how we can help you!!

MapuSoft Technologies

1301 Azalea Road
Mobile, AL 36693
Tel: 251.665.0280
Fax: 251.665.0288

www.mapusoft.com
info@mapusoft.com