

Notes on upgrading VxWorks OS Changer package from OS PAL release of 1.3.5 to 1.3.6.

Please note that the OS Changer is a component of OS PAL and it's version is "3.5.3" inside OS PAL release 1.3.5 and "3.5.4" inside OS PAL release 1.3.6

- Base OS Abstractor product for Linux target OS, a component inside OS PAL was previously referred as "osabstractor_linux". The new name is "cross_os_linux"
 - This means the directory names "osabstractor_linux" will be "cross_os_linux" and this requires you to alter you "include paths" and "library paths" in your make files
 - The include header file called "osabstractor.h" is now called "os_target.h". This means you have to make modifications in your application to include the file with the correct name
- VxWorks OS Changer product component inside OS PAL was previously referred as "vxworks_oschanger" and the new name is "vxworks_interface".
 - This means the directory names "vxworks_oschanger" will be "vxworks_interface" and this requires you to alter you "include paths" and "library paths" in your make files
 - The include header file called "vxworks_oschanger.h" is now called "vxworks_interface.h". This means you have to make modifications in your application to include the file with the correct name
- Names of documentation changes
 - OS Abstractor reference manual is now broken down into two docs namely "system configuration" and "cross_os reference manual"
- We now support SMP/UP processor options and also 64 bit target support. Please note that OS PAL software package in 1.3.6 will only run on a 32 bit Linux host (machine could be 64 bit), however the target code will support both 32 and 64 bit compiles and environment. Under SMP, if application wants to protect data for thread access, they have to use either mutex or the access protection apis within cross_os component.
- OS_Application_Init
 - Especially for developers who initialize the application by passing a sys_config structure, there is a macro provided for initializing the structure prior to set your values. This way you can set the only that matters and leave the rest since the initializer will set the structure for the default values defined in the usr.h.
 - Please refer to the vxworks_demo that comes within the OS PAL for usage of this initializer
- Added support for porting vxworks application/libraries directly from windriver's workbench project
- Please refer to the 1.3.6 release notes for obsolete & new apis http://mapusoft.com/admin/wp-content/uploads/Release_Notes_1.3.6.pdf
- The 1.3.6 patch 1 release can be downloaded from MapuSoft Website as follows:
 - OS PAL for Linux Host:
 - http://mapusoft.com/admin/wp-content/uploads/ospal_linux.tar.gz
 - OS PAL for Windows Host:
 - http://mapusoft.com/admin/wp-content/uploads/ospal_windows.zip
 - NOTE: Install directory names should not have spaces (e.g "my_dir" but not "my dir")