3 Nov 2015

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Steps to prepare custom CCI libraries for MIPS-32 and MIPS-64

## Steps for creating mips64-bit library

1. Go to (*c:\WindRiver\vxworks-6.2\target\h\stdio.h*) search for the below lines and comment out.

#define BUFSIZE BUFSIZ

extern int fgetpos (FILE \*, fpos\_t \*);

extern int fsetpos (FILE \*, const fpos\_t \*);

1. Open *VxWorks Development Shell (Startmenu->All Programs -> Wind River ->VxWorks 6.2 and General Purpose Technologies-> VxWorks Development Shell)*
2. Create a work directory *(e.g. C:\WindRiver\work)* and copy whole contents of customCCIlib directory from release CD-ROM
3. Change directory to *customCCIlib\mips64be\src (e.g. C:\WindRiver\work\customCCIlib\mips64be\src )*
4. Execute the batch file to make library:

*e.g.* **C:\WindRiver\work\customCCIlib\mips64be\src>** *makeobjs\_mips64be.bat*

1. Undo changes made in step 1 to stdio.h (uncomment following lines)

//#define BUFSIZE BUFSIZ

//extern int fgetpos (FILE \*, fpos\_t \*);

//extern int fsetpos (FILE \*, const fpos\_t \*);

1. The newly created library will be present in *~\customCCIlib\mips64be\newlib* directory. To use this library in VxWorks OS or Image build, copy library to *~/ target\lib\mips\MIPS64\common* directory and rename to libcci.a.

## Steps for creating mips32-bit library

1. Go to (*c:\WindRiver\vxworks-6.2\target\h\stdio.h*) search for the below lines and comment out.

#define BUFSIZE BUFSIZ

extern int fgetpos (FILE \*, fpos\_t \*);

extern int fsetpos (FILE \*, const fpos\_t \*);

1. Open *VxWorks Development Shell (Startmenu->All Programs -> Wind River ->VxWorks 6.2 and General Purpose Technologies-> VxWorks Development Shell)*
2. Create a work directory *(e.g. C:\WindRiver\work)* and copy whole contents of customCCIlib directory from release CD-ROM
3. Change directory to *customCCIlib\mips32le\src (e.g. C:\WindRiver\work\customCCIlib\mips32le\src )*
4. Execute the batch file to make library:

*e.g.* **C:\WindRiver\work\customCCIlib\mips32le\src>** *makeobjs\_mips32le.bat*

1. Undo changes made in step 1 to stdio.h (uncomment following lines)

//#define BUFSIZE BUFSIZ

//extern int fgetpos (FILE \*, fpos\_t \*);

//extern int fsetpos (FILE \*, const fpos\_t \*);

1. The newly created library will be present in *~\customCCIlib\mips32le\newlib* directory. To use this library in VxWorks OS or Image build, copy library to

*~\ target\lib\mips\MIPS32\sfcommonle* directory and rename to libcci.a.

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