

RFIES fecode-bd Directories

The following notes outline the file structure used by the RFI Department's Embedded Systems Group on the Controls Department's operational server named fecode-bd.

Download Directories

From crusher and nova:

```
/fecode-bd/vxworks_boot/fe/xxx
```

From front-ends:

```
vxworks_boot/fe/xxx
```

Where xxx represents a given project's name (e.g., millrf, rllrf or tvllrf.) This directory contains files that require read only access. The directory typically contains the front-end's main object module, startup scripts and symbolic links to the version of VxWorks to be loaded at boot time. The actual VxWorks object file is located in the appropriate library directory for the relevant VxWorks version and target processor.

Support Directories

From crusher and nova:

```
/fecode-bd/vxworks_boot/fe/rfies/lib/VW_531/XXX
```

```
/fecode-bd/vxworks_boot/fe/rfies/testlib/VW_531/XXX
```

```
/fecode-bd/vxworks_boot/fe/rfies/devlib/VW_531/XXX
```

```
/fecode-bd/vxworks_boot/fe/rfies/dsp/XXX
```

```
/fecode-bd/vxworks_boot/fe/rfies/testdsp/XXX
```

```
/fecode-bd/vxworks_boot/fe/rfies/devdsp/XXX
```

From front-ends:

```
vxworks_boot/fe/rfies/lib/VW_531/XXX
```

```
vxworks_boot/fe/rfies/testlib/VW_531/XXX
```

```
vxworks_boot/fe/rfies/devlib/VW_531/XXX
```

```
vxworks_boot/fe/rfies/dsp/XXX
```

```
vxworks_boot/fe/rfies/testdsp/XXX
```

```
vxworks_boot/fe/rfies/devdsp/XXX
```

Where XXX represents a given target's name (e.g., VXICPU030, MC68020 or SHARC.) These directories contain files that require read only access. The directories contain the various support libraries that are shared across multiple front-ends. Libraries are built for one or more OS versions and targets. VxWorks kernel and symbol table images are also stored in the appropriate library directories. For example /fecode-bd/vxworks_boot/fe/rfies/lib/VW_531/VXICPU030 contains VxWorks 5.3.1 and any developed libraries for the National Instruments VXIcpu-030 board, and /fecode-bd/vxworks_boot/fe/rfies/lib/VW_51/VXICPU030 contains the National Instruments VXI libraries since they were built by National Instruments for VxWorks version 5.1.

Read/Write Directories

From crusher and nova:

```
/fecode-bd/vxworks_write/fe/xxx/nivxi/tbl
```

```
/fecode-bd/vxworks_write/fe/xxx/nivxi/hlp
```

From front-ends:

```
vxworks_write/fe/xxx/nivxi/tbl
```

```
vxworks_write/fe/xxx/nivxi/hlp
```

Where xxx represents a given project's name (e.g., millrf, rllrf or tvllrf.) These directories contain files that require read/write access. A logger file would be a good example of a file to be located here. Since the VXI resource manager creates the resman.tbl file, the VXI resource manager tbl and hlp directories are located here.

End.

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