rt:labs

EtherCAT SOES slave demo

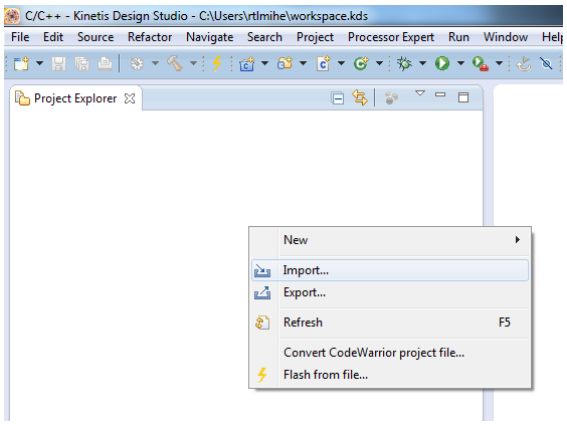
K60 Tower with IXXAT EtherCAT board

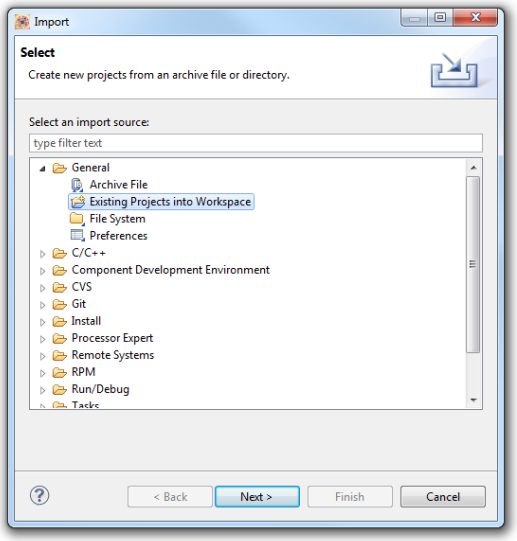
Software example

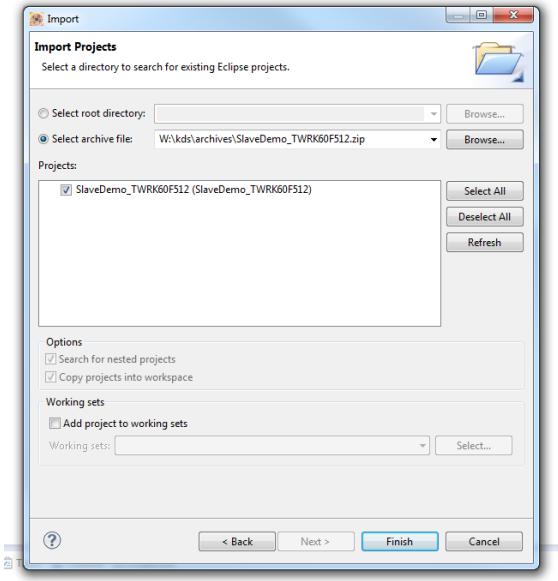
Download the software project

- Goto `http://ethercat.rt-labs.com/download`
- Choose a project suitable to your hardware
- For example `SlaveDemo_TWRK60F512.zip`
- For this example project we are using Kinetis Design Studio which can be downloaded from `http://www.freescale.com`

Start KDS and import the project

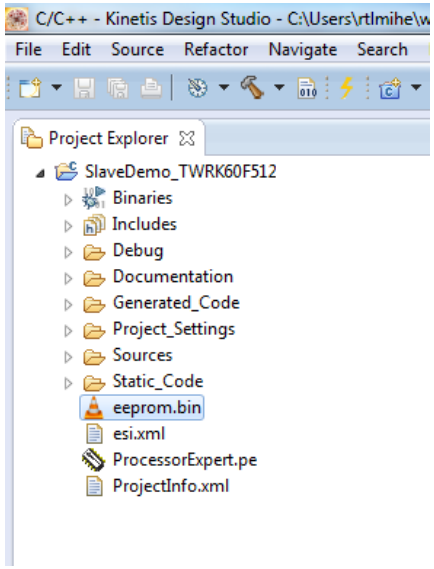






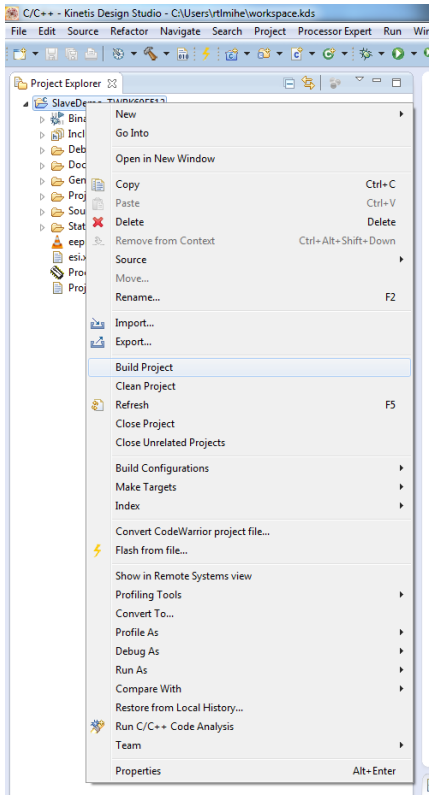
Project files

The project structure contains both the slave source code, hardware functions as well as the EEPROM and ESI file belonging to the slave.



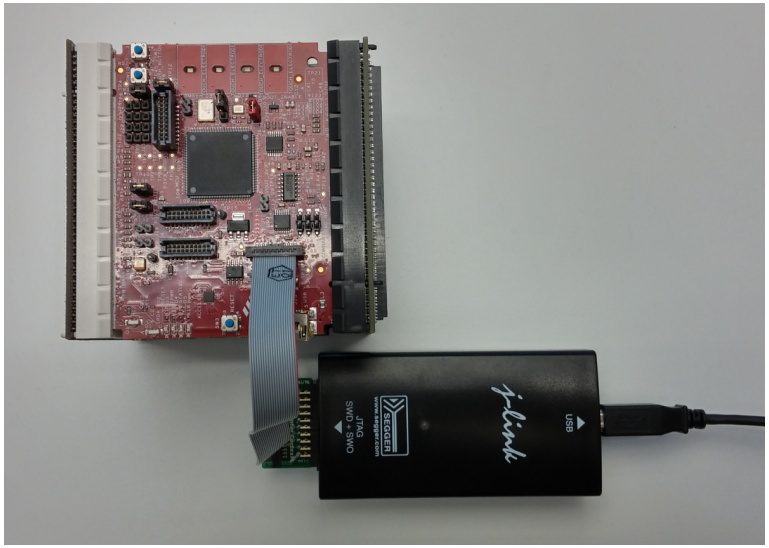
Build the software

The project does already contain a prebuild ELF file, but it can be rebuilt the following way.

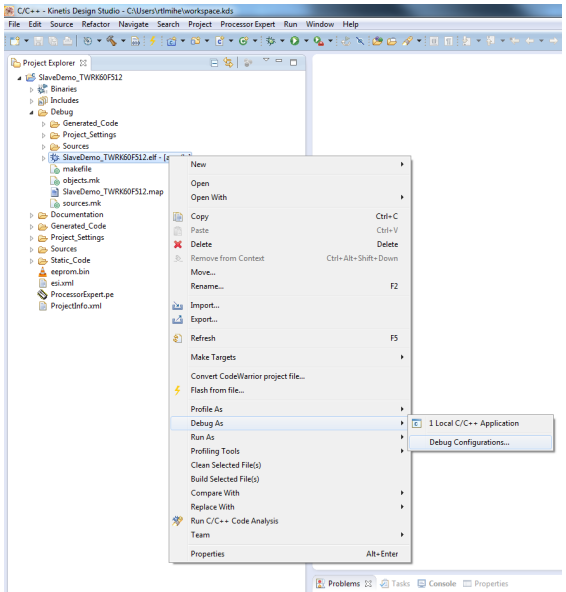


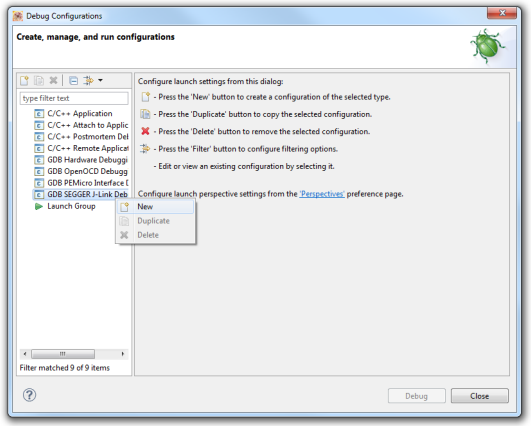
Download the software to the target (1/2)

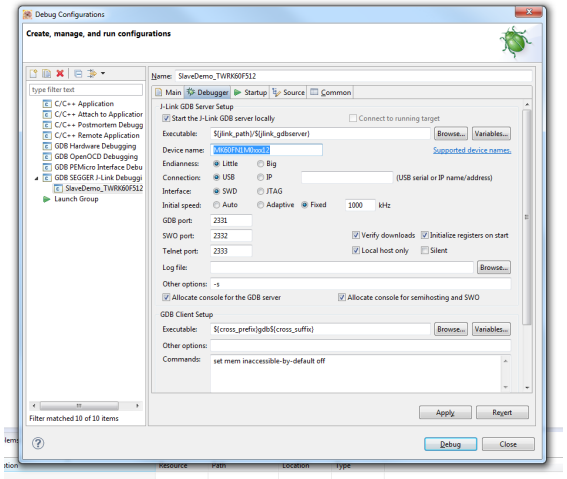
In this example we are using a J-link debugger but any suitable debugger will do.



Download the software to the target (2/2)







Write the EEPROM to the slave and you're up and running!

- Use for example TwinCAT 2
- `https://www.beckhoff.com/tcatweb/`