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|  | DRD3 Project |  |
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|  | **DRD3**  **BUILD INSTRUCTIONS** |  |
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| **REVISIONS** | | | | |
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# DEVELOPMENT ENVIRONMENT AND SOURCE CODE

The development environment is distributed via a Linux virtual machine. The virtual machine contains a single user whose home directory contains an Eclipse based development environment under eclipse/eclipse that can be used to build the DRD3. The source code for the DRD3 can be obtained from GitHub under the DRDSource repository. Once retrieved those files should be copied to the workspace/sensorhub/src directory under virtual machine. The virtual machine currently runs under the Oracle VM Virtual Box version 5.1.28 on Windows 7. This is available for download at <https://www.virtualbox.org/wiki/Download_Old_Builds_5_1> . The virtual machine is setup to run on a sixty-four bit Intel based machine. The original CPU environment was a sixty-four bit Intel I5. The folder contained on the flash drive is the named folder that would go in the “VirtualBox VMs” folder for the windows user that starts the Virtual Box VM manager.

# BUILDING THE DRD3

The IDE for the build environment can be started running “eclipse/eclipse” from the users working directory. Once eclipse is started it will show three projects: 1) lpc\_chip\_5410x, 2) M0PlusLibrary, and 3) sensorhub . In order to build the code, right click on the project sensorhub. Then from the popup menu select “Build Project”. Any changes to the DRD3 code should, of course, be made before building the code. This includes editing main to install the correct .h file for the correct customer (e.g. stl.h for Saint Louis or ret.h for Rotterdam). This can be done with either the editor available in the Eclipse IDE or any command line editor of your choice.