Zedboard Rocket-Chip Virtual Machine User Guide

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1 Purpose

This document describes the general structure of the provided Virtual Machine. This virtual machine is to serve as a RISC-V development environment.

2 Prerequisites

The image provided is to be used with Oracle Virtual Box. We also recommend installing the Oracle VM VirtualBox Extension Pack on the host machine, though this is not required.

3 What's Included

The following items have already been installed on the virtual machine:

- Ubuntu 16.04

- Java JDK

- Scala Build Tool (SBT) (available via apt)

- Xilinx Vivado 2016.2

- RISC-V GNU toolchain, located under *opt/riscv*

The following repositories are installed in the home folder:

- fpga-zynq and all sub-repos

- riscv-linux

- riscv-poky

- riscv-linux

- riscv-tests

- BusyBox source code

4   Credentials

username: rocket
password: rocket