

# Project Proposal

The idea is to create a Jenkins plugin for one of widely used EDA tools. Both ASIC or FPGA design flow are acceptable, the tool should be proposed by the potential student. Open-source EDA tools would be preferable (e.g. Yosys, FuseSoC, ArachnePnR, icetools), but we also consider conditionally-free tools (like FPGA design EDAs).

For example such plugin could report FPGA resource utilization per build as well as the project trend. Other example: timing report trend.

Integrating UVM reports into Jenkins build and project pages is also an example of such plugin.

## Skills to study/improve

- Basic knowledge of Jenkins (as a user)
- Basic knowledge of Java programming language

Hands-on experience with the selected EDA tool. In the case of FPGA flows it would be useful to have a prototyping board as well.

## Project Metadata

**Created on:** 2016

**Goal:** Create a new Jenkins plugin for one of widely used EDA tools.

**Champion:** Martin d'Anjou

**Champion Github Id and link:** <https://github.com/martinda>

**Champion Jenkins JIRA/LDAP id:** deepchip

**Champion Time Zone:** UTC-4

**Champion Role:** I am making this proposal as a **mentor**

**Project Category:** plugin

**SIG/Subproject:** HW and EDA

**Project Gitter chat room:** <https://gitter.im/jenkinsci/hw-and-eda-sig>

## Potential Mentors

The potential mentors are:

- 1) Martin d'Anjou
- 2) Oleg Nenashev
- 3) Mentors could come from the librecores org