

RVS (Risk-V Visual Simulator)

FAQ v0.01

1. **Is there an ecall code (print service) to output in binary format?**

No, please use `print_hexadecimal (ecall rd, rs, 2)` instead. Binary output would produce very long string of 0s and 1s e.g. a double word would require a string of length 64. The hexadecimal output on the other hand is more compact (16 characters per double-word) and can be easily rewritten in binary.

2. **There is no "New File" button so how do I create a new (empty) file?**

Delete the content of the Source window, e.g. press CTRL+a (select all) then press Delete or Backspace. Then select **SaveAs** from the File menu and enter the name of the new file you want to create (if the filename is already in use you will get a warning message to prevent overwriting.)

3. **Why only one source file can be opened at a time?**

There are no separate compilation and linking steps so RVS can only simulate the execution of RISC-V code in a single file.

4. **How to run the RVS on a Mac/Linux?**

Start a Terminal then change the current directory (cd) to the one where the RVS was downloaded. Make the downloaded file executable (chmod). The file is ready to run (put ./ in front of the filename to run it from the current directory).

```
cd Downloads
chmod u+x RVS039.mac
./RVS039.mac
```