Ashling announce *RiscFree*™ support for MachineWare's SIM-V RISC-V Instruction Set Simulator.

Limerick, Ireland. 29th May 2023.
Ashling announced today that Ashling's ***RiscFree*** SDK now provides target debug support for MachineWare's **SIM-V** RISC-V Instruction Set Simulator.

RiscFree is Ashling's SDK including an IDE, compiler, libraries and debugger and provides software development and debug support for RISC-V. Since its introduction, Ashling's ***RiscFree*** SDK has been steadily building market share within the embedded tools market and is particularly strong in the RISC-V market where its ease-of-use, broad functionality, plug-in architecture and real-time trace have made it the go-to choice for 32-bit and 64-bit RISC-V software development.

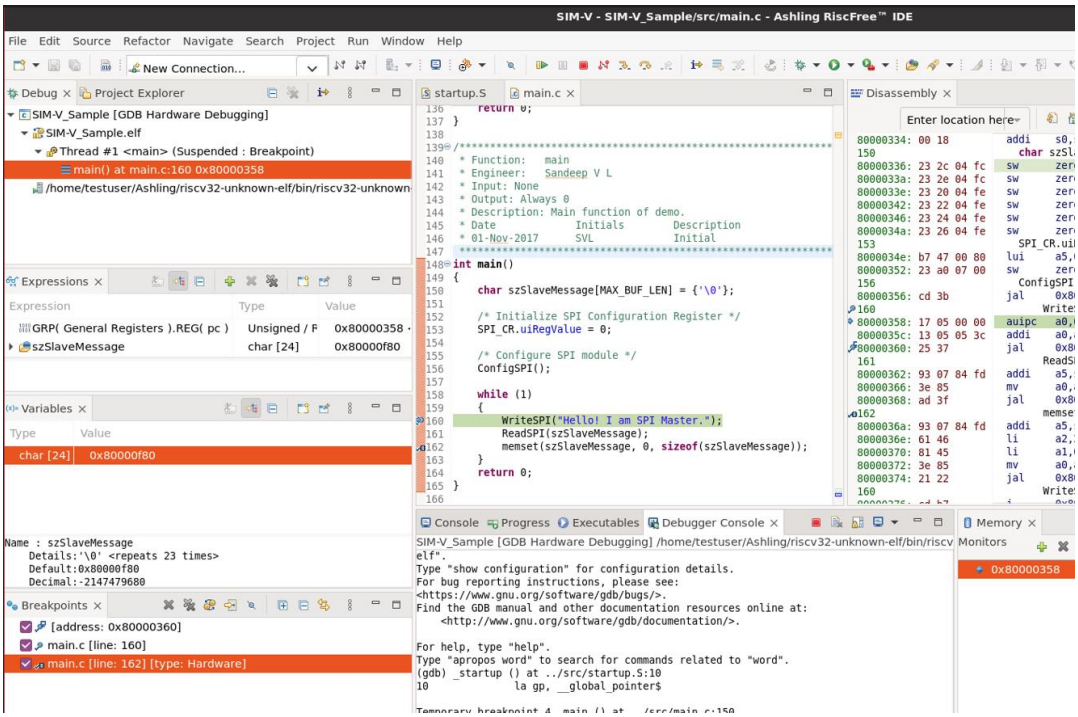

Figure1. RiscFree connected to MachineWare SIM-V

"We are excited to offer our customers target debug support for the MachineWare SIM-V simulator" said **Hugh O'Keeffe, CEO of Ashling**. *"This collaboration between Ashling and MachineWare enables developers to accelerate their RISC-V software development, testing, and debugging, ultimately leading to faster time-to-market for RISC-V-based products."*

MachineWare's **SIM-V** is a RISC-V simulator that enables developers to test and verify RISC-V based systems and software applications. The simulator provides a high-performance Instruction Set Simulator (ISS) that supports all RISC-V standard extensions, including privileged ISA and custom instructions. The intuitive **SIM-V** extension allows quick addition of custom instructions and registers to **SIM-V** to get immediate feedback on design choices.

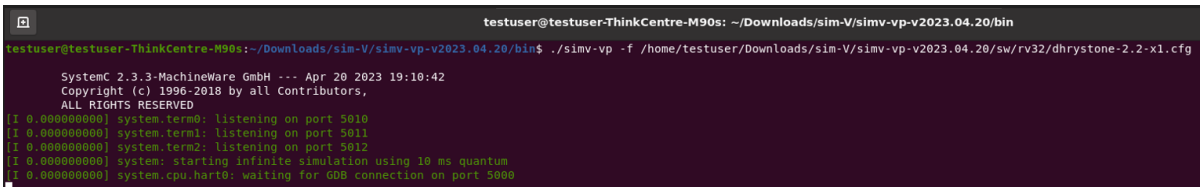

Figure2. Invoking MachineWare SIM-V.

"MachineWare is excited to work with Ashling to bring this solution to the RISC-V community" **said Lukas Jünger, Managing Director with MachineWare.** *"The combination of Ashling's RiscFree SDK and MachineWare's SIM-V simulator provides developers with a powerful and flexible solution for simulation-based RISC-V software development, enabling them to develop high-quality applications more efficiently and begin target debug before hardware availability."*

Ashling's ***RiscFree*** SDK with support for the **SIM-V** simulator is now available and for more information, please visit the Ashling website at https://www.ashling.com/ashling-riscv/ for more on our RISC-V tools.

About Ashling

Ashling have been a leading provider of Embedded Development Tools & Services since 1982 with design centres in Limerick Ireland and Kochi India and sales and support offices in Europe, Asia Pacific, the Middle East and America. Visit www.ashling.com for more general details.

About MachineWare

Founded in 2022 in Aachen, Germany, MachineWare leverages decades of experience in system level simulation and high-performance simulation tooling. Visit https://www.machineware.de/ for more details.

About RISC-V

The RISC-V open architecture ISA is under the governance of RISC-V International. Visit https://riscv.org for more details.

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