

R-Car Proactive Partner Solution

DTS INSIGHT adviceXross



Solution Summary

JTAG ICE advice series has evolved further.

It has all functions which are required for developing actual system.

JTAG ICE debugging tool "adviceXross" has significantly improved response performance by redesigning the hardware. GUI debugger for advice series and enhancing basic functions meet the demands of software development in the increasingly sophisticated and diverse embedded products marketplace. In addition, as support for optimal debugging and test efficiency improvement, it has hypervisor debug function, test automation function and large-capacity trace memory.

Supports the R-Car family.

Features/Benefits

- Improved debugging speed
Enhanced debugger responsiveness, high speed JTAG communication and streaming trace function
- Reduced test manpower by test automation
Supporting autonomous test by Python script and extended GPIO
- Support advanced debugging with trace and measurement analysis for complex software environments
Debugging functions for embedded Linux and multi-core operating systems
Virtual Memory Environment of MMU and Operation Analysis of parallel processing on multicore processor

Diagrams/Graphics

Hardware & UI



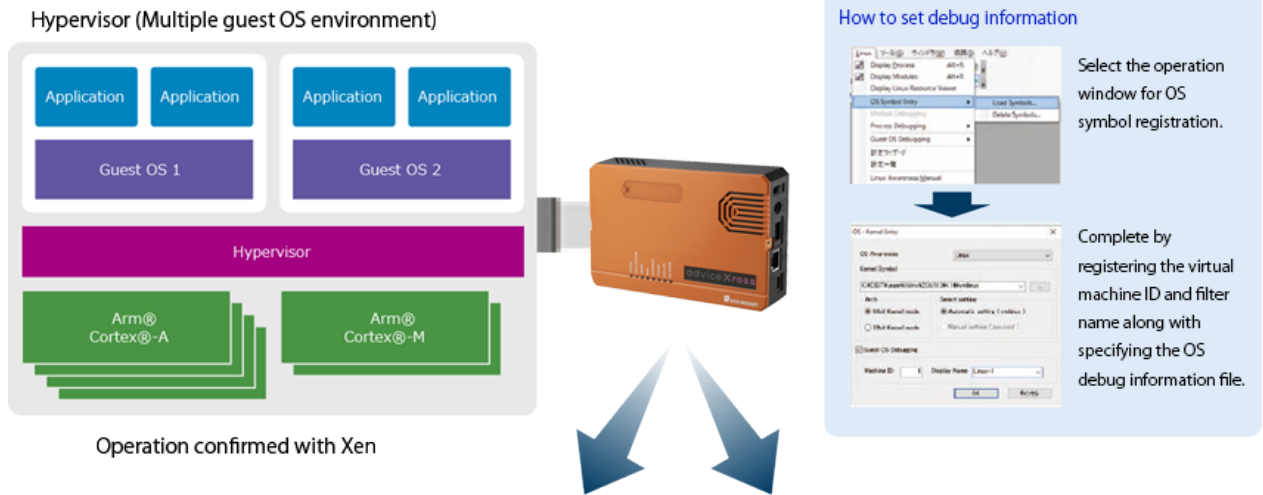
Target Markets and Applications

- Automotive
- Industrial Automation
- Industrial Cameras
- Human Machine Interface System

<https://www.dts-insight.co.jp/en/product/ice-jtag/index.html>

Scene to utilize of adviceXross

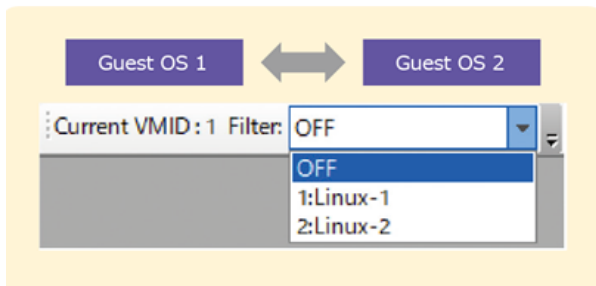
Supports debugging of Hypervisor environments where multiple OSs operate on SoC. By setting the guest OS debugging information, it is possible to debugging by specifying a single OS, automatically switch between multiple OSs and debugging them at the same time.



Select a single OS to debug

Debugging is possible by specifying the registered virtual machine ID. This allows breakpoints and watchpoints to be set only on the specified guest OS.

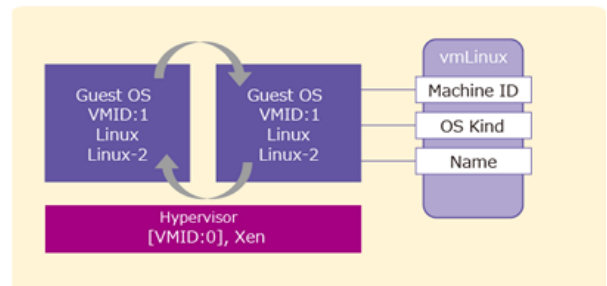
Selectable OS for debugging



Automatically detect and debug the running OS

The VM context detection feature allows you to automatically switch OS Awareness and OS symbol information to debug.

Automatically detect virtual machine ID Multi-OS debugging



Company Summary

At DTS Insight, we offer customers a range of services that support their business needs, including system development support products in the automotive and embedded systems fields, hardware, firmware, and software development, measurement control systems in the healthcare field, and development by commission in various fields, as well as a system LSI design and solutions service that leverages our collected knowledge to provide total support from OS porting and driver and middleware development through to hardware development.

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Quotation request form : https://www.dts-insight.co.jp/en/contact_en/index.php?m=Mailadvice&page=input