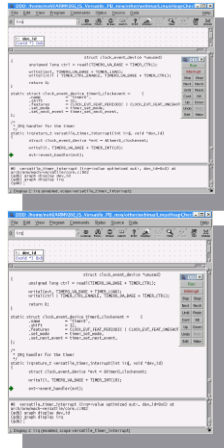


Virtual Platform Android Demonstrator

Application Debugging

3rd party debuggers/SDKs (E.g Android Eclipse SDK, etc.)

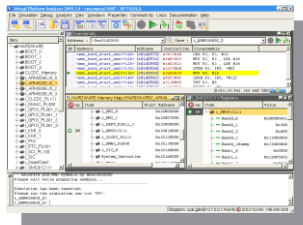


Kernel Debugging

3rd party debuggers (E.g. Lauterbach, gdb/ddd, Realview)

Virtual Platform Analyzer:

Platform aware Debugging Signals/Registers



Environment Connectivity:

via API connect: Device GUI Ethernet GSM Modem



ANDROID

Applications

JAVA VM

Libraries

Drivers

Linux Kernel

H.264 Dec.

ARM926

ARM926

GPIO

VIC

UARTs

Timers

Ethernet

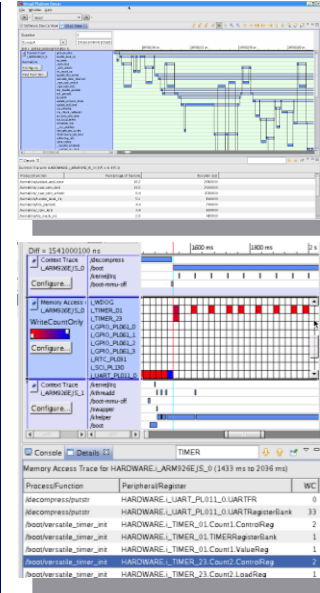
DMA

Touchscreen/Key IF

Audio

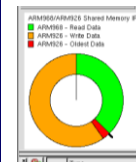
LCD Controller

USB



OS Aware Platform Level Software Analysis

Processes
Threads
Functions
Instructions
Memory Accesses
Cache Activity



TCL Scripting

Custom Analysis
Debug Monitors
Assertions
Test Harness
Fault injection
Mock-ups



Checkpoint/Restart