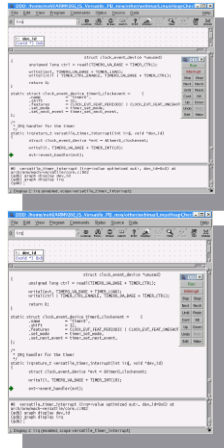


# Virtual Platform Android Demonstrator

## Application Debugging

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

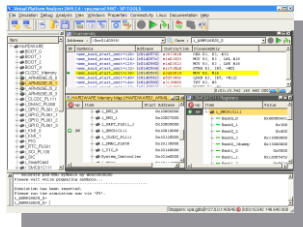


## Kernel Debugging

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

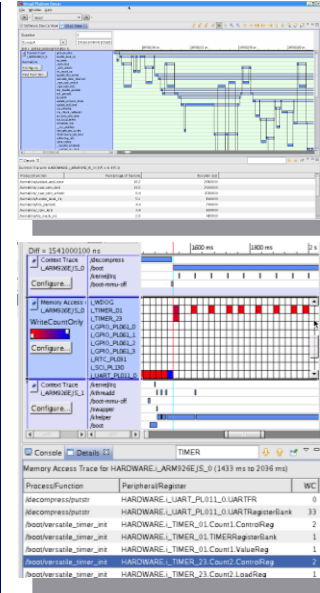
DMA

Touchscreen/Key IF

Audio

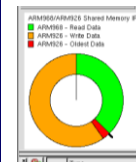
LCD Controller

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