Time and Space Partitioning Demo of Linux for XratuM hypervisor

Debug & trace tools for RTOSes on GR740

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Time and Space Partitioning Demo of Linux for XratuM hypervisor

- *Budget:* 247.573,00 EUR

- *Duration: 12 months*

- *Prime:* ENEA Services Romania SRL

- *Main Objectives:*

  1. Adapt Linux and RTEMS to run as guest operating systems on XtratuM hypervisor on Leon4 (GR740);

  2. Implement inter-partition communications between the guests using ARINC standard;

  3. Analyze the time-space partitioning behavior under exceptional conditions;

European Space Agency

Debug & trace tools for RTOSes on GR740

- *Budget:* 249.945,00 EUR

- *Duration: 12 months*

- *Prime:* ENEA Services Romania SRL

- *Main Objectives:*

  1. Select and port a small footprint Real Time Operating System on Leon4 architecture, adapting it to run as a guest OS on XtratuM hypervisor together with RTEMS;

  2. Design and develop a common debug and trace set of tools for the guest operating systems;

  3. Develop and execute a demo system that highlights the debug and trace capabilities;