

The TLM 2.0 Loosely Time (LT) with DMI System Example

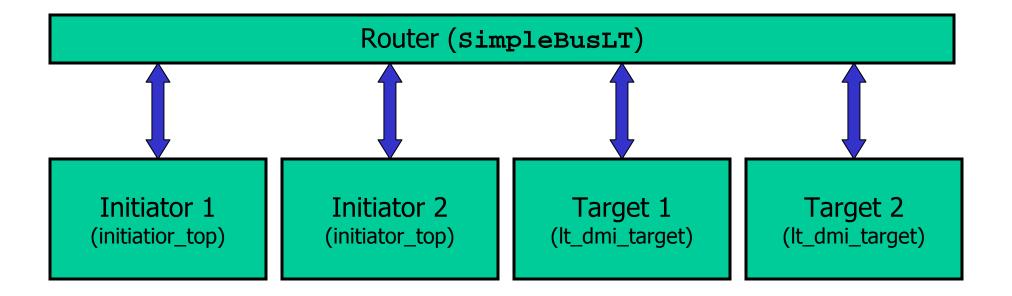
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AT Minimum System Example Use Cases

- Virtual Development Platform
- Initial Hardware/Software Partitioning
- Initial Architectural Performance Analysis



Approximately Timed (AT) Block Diagram







How to run this example (Linux)

- Set SYSTEMC_HOME
- cd examples/tlm/lt_dmi/build-unix
- make clean
- make
- make run



How to run this example (MSVC)

- Open a explorer window on examples/tlm/lt_dmi/build-windows
- Launch lt_dmi.sln
- Select 'Property Manager' from the 'View' menu
- Under 'lt_dmi > Debug | Win32' select 'systemc'
- Select 'Properties' from the 'View' menu
- Select 'User Macros' under 'Common Properties'
- Update the 'SYSTEMC' entry and apply
- Build and run



Expected Output (expected.log)

Info: lt_dmi_target.cpp: 0 s - toggle_dmi_method Target: 201 invalidate_direct_ptr (0, 4096);

Info: dmi_memory.cpp: 0 s - invalidate_dmi_ptr
Initiator:101 DMI Pointer not invalidated for (0, 4096)

Info: dmi_memory.cpp: 0 s - invalidate_dmi_ptr
Initiator:102 DMI Pointer not invalidated for (0, 4096)

Info: lt_dmi_target.cpp: 0 s - toggle_dmi_method Target: 202 invalidate_direct_ptr (0, 4096);

Info: dmi_memory.cpp: 0 s - invalidate_dmi_ptr
Initiator:101 DMI Pointer not invalidated for (268435456, 268439552)

Info: dmi_memory.cpp: 0 s - invalidate_dmi_ptr
Initiator:102 DMI Pointer not invalidated for (268435456, 268439552)

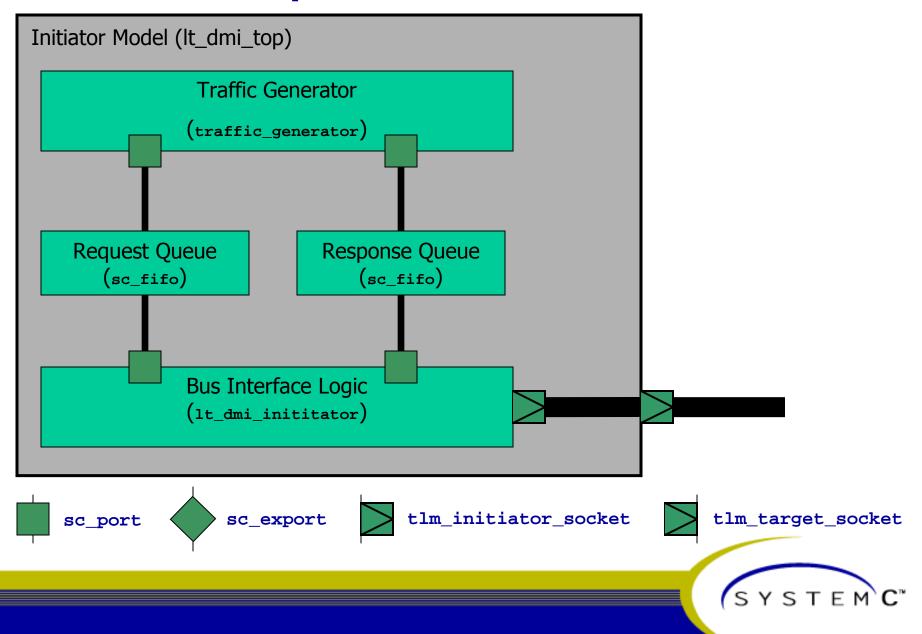
Info: traffic_generator.cpp: 0 s - traffic_generator_thread Initiator: 101 Starting Traffic

Info: traffic_generator.cpp: 0 s - traffic_generator_thread Initiator: 102 Starting Traffic

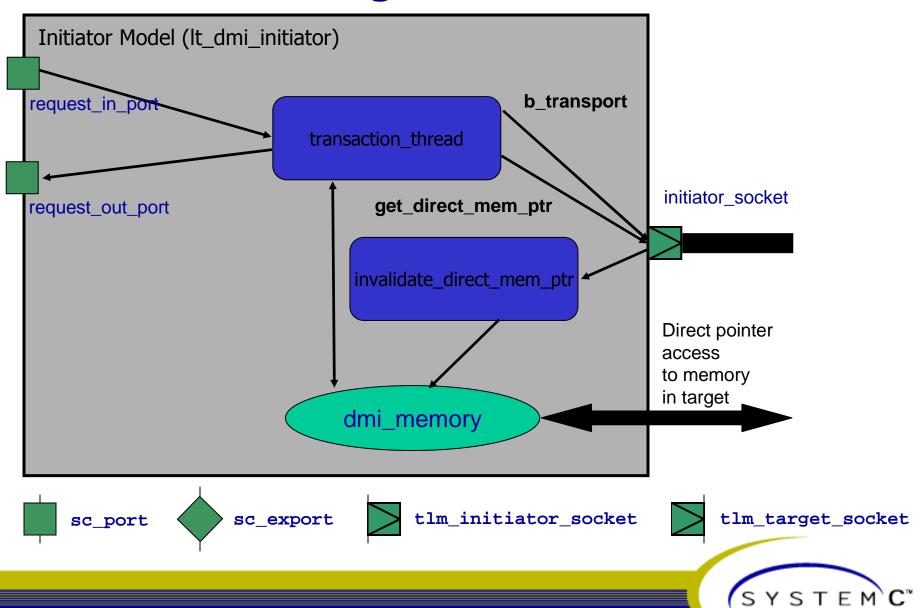
Info: It_dmi_initiator.cpp: 0 s - initiator_thread Initiator: 101 b_transport with delay of 0 s);

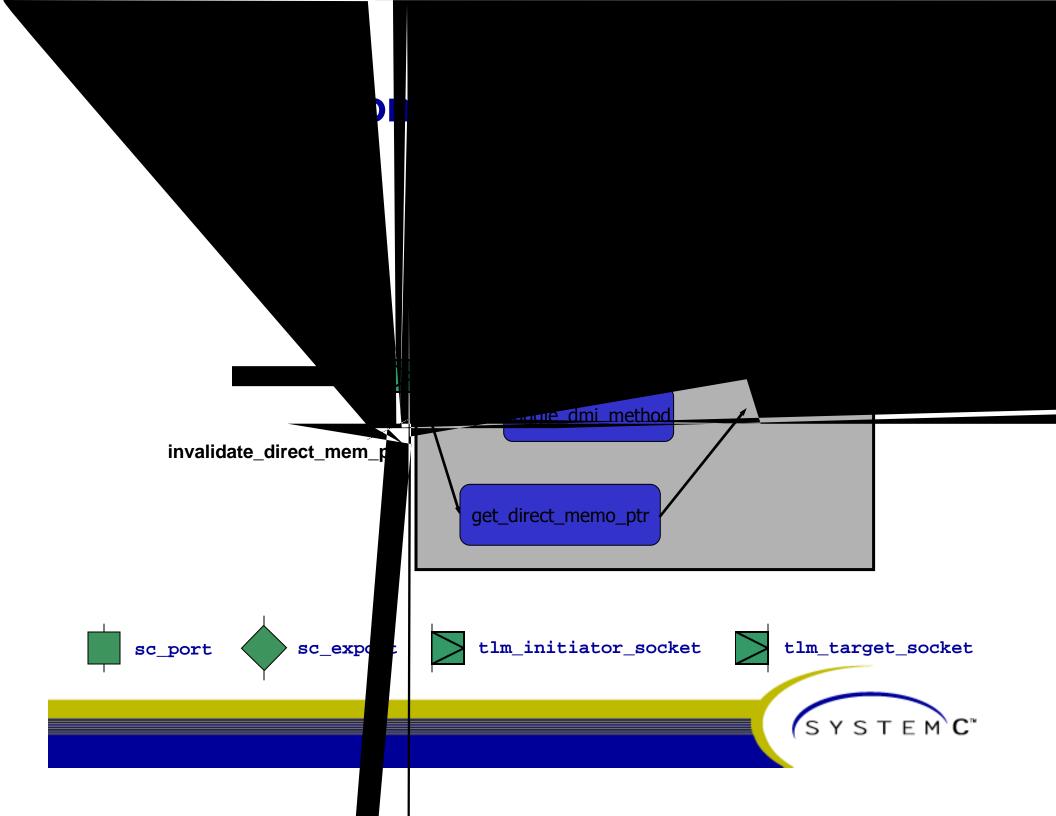


Initiator Component



Bus Interface Logic





Router Component

