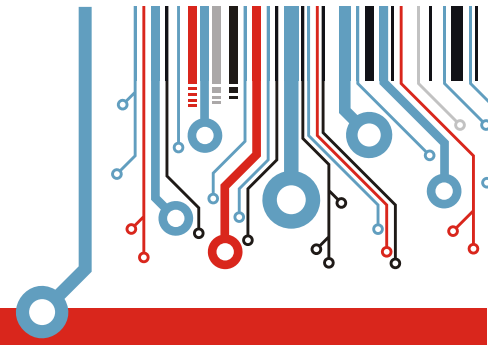




Instigate

Parallel Systems Development



Design Services ◦ Quality Assurance

Software tools verification

Verification of proprietary SystemC and SystemVerilog compilers
 Verification of GUI IDE for TLM modeling
 Verification of NoC Compiler including automated GUI testing
 Verification of FPGA place & route tools
 Verification of Static Timing Analysis tool for ASIC
 Verification of Compilers for Programmable device architectures

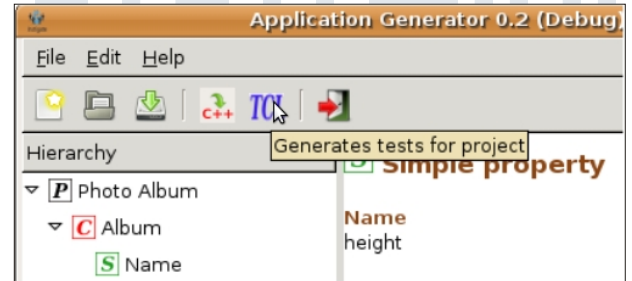
- Functionality against specification
- Performance and stress testing
- Random, corner, positive, negative testing
- Usability validation

Verification of GUI IDE for Course Grained Reconfigurable device

- Functionality testing via command line UI
- Manual and Automated GUI testing

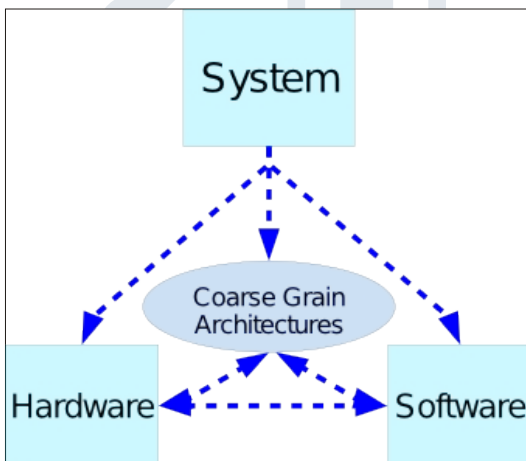
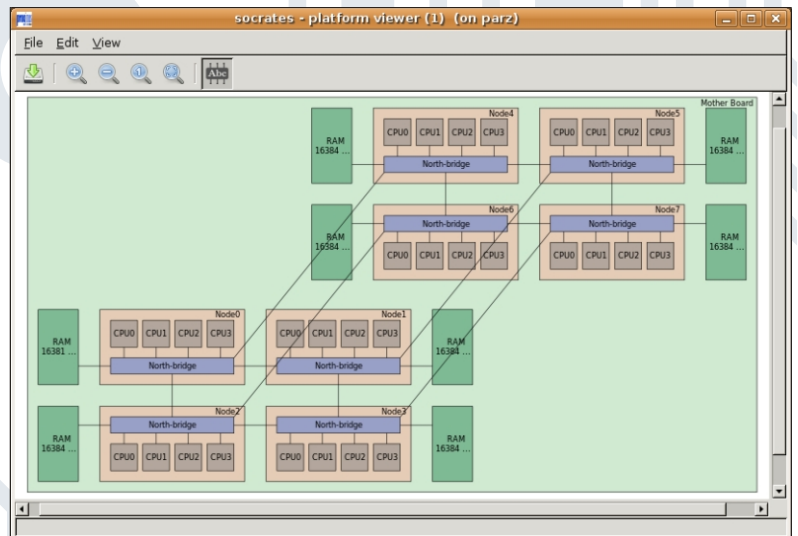
Automated test-environment for various ESL/EDA tools, IDEs, GUI cockpits

Verification of virtual prototype of Memory controller



Hardware fabrics validation

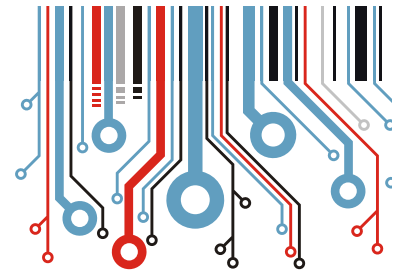
- Development of rich functions library for Course Grain Reconfigurable architecture validation
- Validation of massive parallel multi-cpu architecture
- Development of large (more than 1M gates) synthesizable designs for FPGA validation
- Development of complex real-life designs for validation of Sparc Leon architecture





Instigate

Parallel Systems Development



Design Services ◦ Quality Assurance

Methodology

Use-case driven verification

- acceptance test-plan based on real-life usage scenarios

White-box testing

- tests are ready before real coding
- tests are written directly by developers
- assertion based defensiveness

Black-box testing

- verification based on functional specification through the public UI
- starts as soon as the shell is ready

Regression testing: continuous, nightly, weekly test-suites

Automated test-environments

- flexibly and easy to use UI for insertion/extraction of a test to/from a suite
- automated reports generation

Full life cycle testing including usability and GUI testing

Structured test-suites

- random/corner/stress test-cases
- negative/positive test-cases
- performance testing

nightly builds from 2009-Jun-20 to 2009-Jul-21

Show complete log

Project	Status	Unitest (Fail/Total)	Revision	Date Start	Date Finish	Host	Platform
Proximus_Shared_Release	SUCCESSFUL	0/278	3098	2009-Jul-20 - 22:01	2009-Jul-21 - 02:12	CentOS-5.2-i386	Linux-CentOS(Final)
Proximus_v0.7.92_Shared_Release	FAILED	5/328	3229	2009-Jul-21 - 02:14	2009-Jul-21 - 06:19	platon	Linux-Ubuntu8.04_hardy
WiFi_802.11g_design	running	0/0	38555	2009-Jul-21 - 00:52	-	tosp	Linux-Ubuntu8.10_intrepid
Localized_Test_Cases_from_Designs	FAILED	17/82	3438	2009-Jul-21 - 00:49	2009-Jul-21 - 00:52	tosp	Linux-Ubuntu8.10_intrepid
Repeat_Test_Suite_for_C_Compiler	FAILED	3/304	3496	2009-Jul-21 - 00:35	2009-Jul-21 - 00:49	tosp	Linux-Ubuntu8.10_intrepid
MiBench_Test_Suite_for_C_Compiler	SUCCESSFUL	0/23	3490	2009-Jul-21 - 00:29	2009-Jul-21 - 00:35	tosp	Linux-Ubuntu8.10_intrepid
Inline_Assembly_Test_Suite_for_C_Compiler	FAILED	7/140	3480	2009-Jul-21 - 00:26	2009-Jul-21 - 00:29	tosp	Linux-Ubuntu8.10_intrepid
Scheduler_Test_Suite_for_C_Compiler	SUCCESSFUL	0/75	3503	2009-Jul-21 - 00:23	2009-Jul-21 - 00:26	tosp	Linux-Ubuntu8.10_intrepid
Performance_Benchmark_Test_Suite	SUCCESSFUL	0/27	3506	2009-Jul-20 - 22:24	2009-Jul-21 - 00:23	tosp	Linux-Ubuntu8.10_intrepid
Proximus_Shared_Release	SUCCESSFUL	0/278	3098	2009-Jul-20 - 22:01	2009-Jul-21 - 02:02	ubuntu-804-i386	Linux-Ubuntu8.04_hardy
Proximus_v0.7.92_Shared_Debug	FAILED	5/328	3229	2009-Jul-20 - 22:01	2009-Jul-21 - 02:14	platon	Linux-Ubuntu8.04_hardy
Localized_Test_Cases_from_Designs	FAILED	17/82	3438	2009-Jul-20 - 17:10	2009-Jul-20 - 17:13	tosp	Linux-Ubuntu8.10_intrepid
Repeat_Test_Suite_for_C_Compiler	FAILED	3/304	3496	2009-Jul-20 - 16:56	2009-Jul-20 - 17:09	tosp	Linux-Ubuntu8.10_intrepid
MiBench_Test_Suite_for_C_Compiler	SUCCESSFUL	0/23	3490	2009-Jul-20 - 16:50	2009-Jul-20 - 16:56	tosp	Linux-Ubuntu8.10_intrepid
Inline_Assembly_Test_Suite_for_C_Compiler	FAILED	7/140	3480	2009-Jul-20 - 16:47	2009-Jul-20 - 16:50	tosp	Linux-Ubuntu8.10_intrepid
Scheduler_Test_Suite_for_C_Compiler	SUCCESSFUL	0/75	3501	2009-Jul-20 - 16:44	2009-Jul-20 - 16:47	tosp	Linux-Ubuntu8.10_intrepid
Performance_Benchmark_Test_Suite	SUCCESSFUL	0/27	3495	2009-Jul-20 - 14:47	2009-Jul-20 - 16:44	tosp	Linux-Ubuntu8.10_intrepid
Localized_Test_Cases_from_Designs	FAILED	17/82	3438	2009-Jul-20 - 01:01	2009-Jul-20 - 01:04	tosp	Linux-Ubuntu8.10_intrepid

