SPEC® MPIM2007 Result
Copyright 2006-2010 Standard Performance Evaluation Corporation

Dell Inc.
PowerEdge 1955

SPECmpiM_peak2007 = Not Run

SPECmpiM_base2007 = NC

MPI2007 license: 021	**Test date:** Nov-2007
Test sponsor: Scali, Inc.	**Hardware Availability:** Dec-2006
Tested by: Scali, Inc.	**Software Availability:** Aug-2007

Ranks

104.milc |
107.leslie3d |
113.GemsFDTD |
115.fds4 |
121.pop2 |
122.tachyon |
126.lammps |
127.wrf2 |
128.GAPgeofem |
129.tera_tf |
130.socorro |
132.zeusmp2 |
137.lu |

Non-Compliant

Results Table

| Benchmark | Base | | | | | | Peak | | | | | | |
	Ranks	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Ranks	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
104.milc	8	NC	NC	NC	NC	NC	NC							
107.leslie3d	8	NC	NC	NC	NC	NC	NC							
113.GemsFDTD	8	NC	NC	NC	NC	NC	NC							
115.fds4	8	NC	NC	NC	NC	NC	NC							
121.pop2	8	NC	NC	NC	NC	NC	NC							
122.tachyon	8	NC	NC	NC	NC	NC	NC							
126.lammps	8	NC	NC	NC	NC	NC	NC							
127.wrf2	8	NC	NC	NC	NC	NC	NC							
128.GAPgeofem	8	NC	NC	NC	NC	NC	NC							

Table continues on next page. Results appear in the order in which they were run. Bold underlined text indicates a median measurement.

SPEC MPIM2007 Result
Copyright 2006-2010 Standard Performance Evaluation Corporation

Dell Inc.
PowerEdge 1955

SPECmpiM_peak2007 = Not Run

SPECmpiM_base2007 = NC

MPI2007 license: 021	**Test date:** Nov-2007
Test sponsor: Scali, Inc.	**Hardware Availability:** Dec-2006
Tested by: Scali, Inc.	**Software Availability:** Aug-2007

Results Table (Continued)

Benchmark	Ranks	Base Seconds	Base Ratio	Base Seconds	Base Ratio	Base Seconds	Base Ratio	Peak Ranks	Peak Seconds	Peak Ratio	Peak Seconds	Peak Ratio	Peak Seconds	Peak Ratio
129.tera_tf	8	NC	NC	NC	NC	NC	NC							
130.socorro	8	NC	NC	NC	NC	NC	NC							
132.zeusmp2	8	NC	NC	NC	NC	NC	NC							
137.lu	8	NC	NC	NC	NC	NC	NC							

Results appear in the order in which they were run. Bold underlined text indicates a median measurement.

Hardware Summary
Type of System:	SMP
Compute Node:	Dell PowerEdge 1955
File Server Node:	Dell PowerEdge 1955
Total Compute Nodes:	1
Total Chips:	2
Total Cores:	8
Total Threads:	8
Total Memory:	16 GB
Base Ranks Run:	8
Minimum Peak Ranks:	--
Maximum Peak Ranks:	--

Software Summary
C Compiler:	Intel C++ Compiler 10.0.027
C++ Compiler:	Intel C++ Compiler 10.0.027
Fortran Compiler:	Intel Fortran Compiler 10.0.027
Base Pointers:	64-bit
Peak Pointers:	Not Applicable
MPI Library:	Scali MPI Connect 5.5
Other MPI Info:	None
Pre-processors:	None
Other Software:	None

Node Description: Dell PowerEdge 1955

Hardware
Number of nodes:	1
Uses of the node:	compute, file server
Vendor:	Dell Inc.
Model:	PowerEdge 1955 (Xeon X5355 2.66GHz)
CPU Name:	Intel Xeon X5355
CPU(s) orderable:	1-2 chips
Chips enabled:	2
Cores enabled:	8
Cores per chip:	4
Threads per core:	1
CPU Characteristics:	1333 MHz FSB
CPU MHz:	2660
Primary Cache:	32 KB I + 32 KB D on chip per core
Secondary Cache:	8 MB I+D on chip per chip, 4 MB shared / 2 cores
L3 Cache:	None
Other Cache:	None
Memory:	16 GB (4 x 4GB DIMMs)
Disk Subsystem:	Dell SAS5 RAID 0 with 2 x 73BG Fujitsu MAY2073RC 10k RPM
Other Hardware:	None
Adapter:	None
Number of Adapters:	0
Slot Type:	Not Applicable

Software
Adapter:	None
Adapter Driver:	Not Applicable
Adapter Firmware:	Not Applicable
Operating System:	Microsoft Windows Server 2003 R2 Enterprise X64 Edition Service Pack 2
Local File System:	NTFS
Shared File System:	Not Applicable
System State:	multi-user
Other Software:	None

Continued on next page

SPEC MPIM2007 Result
Copyright 2006-2010 Standard Performance Evaluation Corporation

Dell Inc.
PowerEdge 1955

SPECmpiM_peak2007 = Not Run

SPECmpiM_base2007 = NC

MPI2007 license:	021		**Test date:**	Nov-2007
Test sponsor:	Scali, Inc.		**Hardware Availability**	Dec-2006
Tested by:	Scali, Inc.		**Software Availability:**	Aug-2007

Node Description: Dell PowerEdge 1955

Data Rate:	Not Applicable
Ports Used:	0
Interconnect Type:	None

Base Compiler Invocation

C benchmarks:
```
icl
```

C++ benchmarks:

```
126.lammps: icl
```

Fortran benchmarks:
```
ifort
```

Benchmarks using both Fortran and C:
```
icl ifort
```

Base Portability Flags

```
115.fds4: /DSPEC_MPI_UC_NO_TRAILING_UNDERSCORE
121.pop2: /DSPEC_MPI_WINDOWS_ICL
127.wrf2: /DSPEC_MPI_CASE_FLAG /us /Qlowercase
129.tera_tf: /fpscomp:general
130.socorro: /DSPEC_NO_UNDERSCORE /Qlowercase
132.zeusmp2: /DSPEC_MPI_WINDOWS_ICL /fpscomp:general
```

Base Optimization Flags

C benchmarks:
```
/O3 /Qprec-div- /QxP /F3950000000
```

C++ benchmarks:

```
126.lammps: /O3 /Qprec-div- /QxP /F3950000000
```

Fortran benchmarks:
```
/O3 /Qprec-div- /QxP /F3950000000
```

Benchmarks using both Fortran and C:
```
/O3 /Qprec-div- /QxP /F3950000000
```

Dell Inc.
PowerEdge 1955

SPECmpiM_peak2007 = Not Run

SPECmpiM_base2007 = NC

MPI2007 license: 021		**Test date:**	Nov-2007
Test sponsor: Scali, Inc.		**Hardware Availability**	Dec-2006
Tested by: Scali, Inc.		**Software Availability:**	Aug-2007

Base Other Flags

C benchmarks:
```
/I"C:\Program Files\Scali\Scali MPI Connect\\include"
```

C++ benchmarks:

```
126.lammps: /I"C:\Program Files\Scali\Scali MPI Connect\\include"
```

Fortran benchmarks:
```
/I"C:\Program Files\Scali\Scali MPI Connect\\include"
```

Benchmarks using both Fortran and C:
```
/I"C:\Program Files\Scali\Scali MPI Connect\\include"
```

The flags file that was used to format this result can be browsed at
http://www.spec.org/mpi2007/flags/dell.i110.windows.flags.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/mpi2007/flags/dell.i110.windows.flags.xml

For questions about this result, please contact the tester.
For other inquiries, please contact webmaster@spec.org.

Tested with SPEC MPI2007 v1.0.
Report generated on Tue Jul 22 13:33:04 2014 by SPEC MPI2007 PS/PDF formatter v1463.
Originally published on 30 November 2007.