

# Intel® Cluster Ready

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Certificate of Compliance  
for:

**DELTA Computer Products GmbH**  
**DELTA Cluster TU Harburg**

Number of nodes: 36 compute nodes and 1 head node

Date Issued: October 7, 2011

Certificate Number: 20111007001



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This certificate is only valid for the specific product corresponding to the attached bill of materials.

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# Bill of Materials

(Certificate Number: 20111007001)

## Hardware Components

Quantity	Item	Manufacturer	Model
<b>1 Login</b>			
1	Chassis	Supermicro*	SC825TQ-
1	Board	Supermicro*	X8DTE-F
2	Processor Intel® Xeon® X5675	Intel	
12	Memory	Nanya*	NT8GC72B4N1NK-CG
1	Storage Controller	LSI*	SAS9211-4i
2	Hard Drive	Seagate*	ST500NM0011
<b>1 Fileserver</b>			
1	Chassis	Supermicro*	SC846E16
1	Board	Supermicro*	X8DTE-F
2	Processor Intel Xeon E5620	Intel	
6	Memory	Apacer*	78.B1GDR.4210C
1	Storage Controller MegaRaid SAS 9260-4i + LSiIBBU07	LSI*	
24	Hard Drive	Hitachi*	HUA723020ALA640
1	Network card	Supermicro*	AOC-STGN-I2S
<b>36 Compute nodes</b>			
1/2	Twin Chassis, two nodes per chassis	Supermicro*	SYS-6016TT-IBQF
2	Intel Xeon X5675	Intel	
12	Memory	Nanya*	NT8GC72B4N1NK-CG
1	Hard Drive	Seagate*	ST500NM0011
<b>Infrastructure</b>			
	Ethernet Switch	Supermicro*	SSE-G48-TG4 + AOM-SSE-X2S
	Ethernet Switch	Netgear*	FS705T2EU
	InfiniBand Switch	Mellanox*	MIS5025Q
	Rack	Schroff*	Varistar* LHX40
2	Power Distribution Units	APC*	AP8981
	APC* Smart UPS	APC*	SUA3000RMI2U

## Software Components

Distributed By	Description	File Name or location
OpenSUSE.org*	openSUSE* 11.4 x84_64	openSUSE-11.4-DVD-x86-64.iso
Mozilla Foundation*	Mozilla Firefox* 6.0.2	openSUSE 11.4 package MozillaFirefox-6.0.2-0.2.1.x86_64
Open Fabrics Alliance*	OFED* 1.5.3.2	OFED-1.5.3.2.tgz MD5: b89ad3639c4433a34797305836a4a435
Ganglia*	Ganglia* 3.1.7	ganglia-3.1.7.tar.gz
Perl.org*	Perl* 5.8.9	perl-5.8.9.tar.gz MD5: 2c8d78a61fb8c4c2c19fc514eb591500

Adaptive Computing*	Torque* 3.0.2	torque-3.0.2.tar.gz MD5: a2f008c7eeffcb3a0721fbb252397936
	Maui* 3.3	maui-3.3.tar.gz MD5: 638455e3d7475768ec57f50326267bb2
open-mpi.org*	OpenMPI* 1.2.9	openmpi-1.2.9.tar.bz2 MD5: 78c2aebbb746610ed12bdedcc2b6ec0e
	OpenMPI* 1.4.3	openmpi-1.4.3.tar.bz2 MD5: d2ead141c43b915343f5c5a18f3b5016
	OpenMPI* 1.5.4	openmpi-1.5.4.tar.bz2 MD5:1153d794c49ce6d275dba2793ab0c68
Intel Corporation	Intel Fortran Compiler for Linux* 12.1	l_fcomp_xe_intel64_2011.6.233.tgz MD5: c4af9e1460e402c57ccd302a8753ec72
	Intel Cluster Runtimes 3.2	intel_cluster_runtimes_3.2-1.tgz MD5: 9016c7735c07f34f1812e2206b6e5293
	Intel Cluster Checker 1.8	l_clck_p_1.8.007.tgz MD5: 984e3de73c10d99dfff9d5e6a9b009c8