

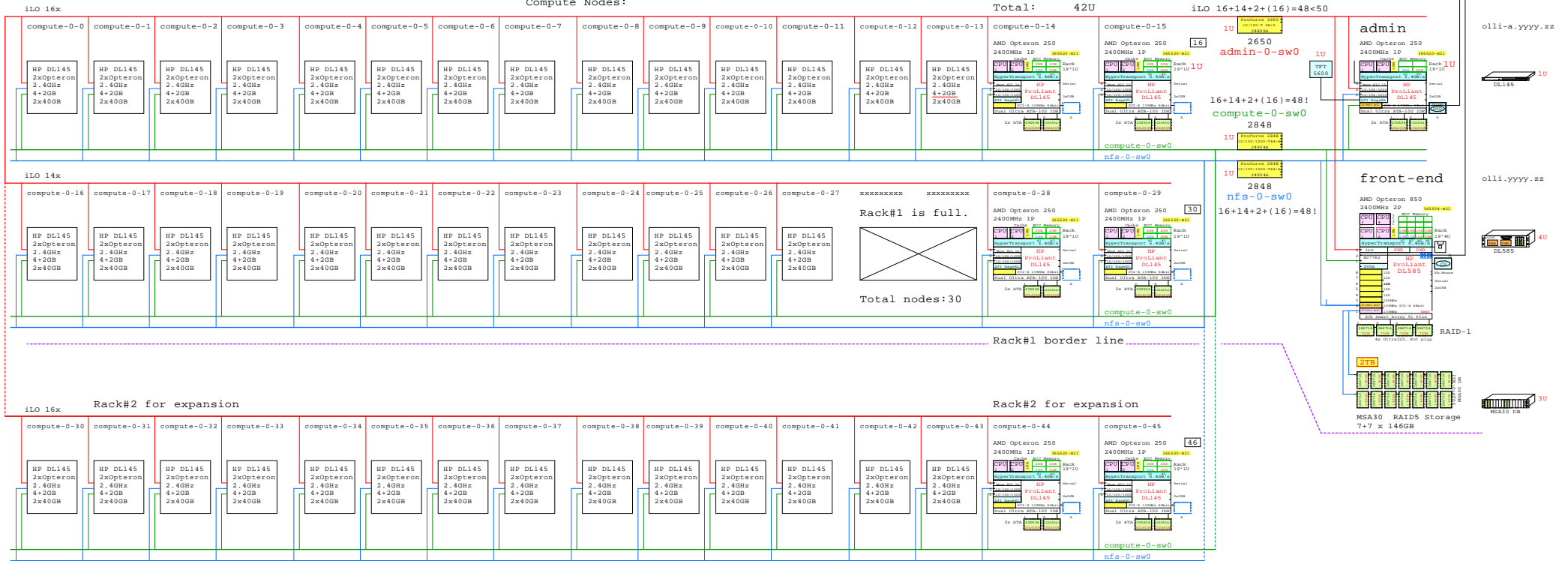
RocksCluster 30 to 46, HP ProLiant DL145 Opteron 2.4GHz

Rack #1
 16U+14U+3U=33U
 1U+1U+4U+3U=9U
 Total: 42U

iLO 16+14+2+(16)=48<50

Public LAN

Compute Nodes:



Server fixed IP addresses

front-end	10.13.1.1		
admin	10.13.1.2		
compute-0-0	10.13.1.254	compute-0-16	10.13.1.238
compute-0-1	10.13.1.253	compute-0-17	10.13.1.237
compute-0-2	10.13.1.252	compute-0-18	10.13.1.236
compute-0-3	10.13.1.251	compute-0-19	10.13.1.235
compute-0-4	10.13.1.250	compute-0-20	10.13.1.234
compute-0-5	10.13.1.249	compute-0-21	10.13.1.233
compute-0-6	10.13.1.248	compute-0-22	10.13.1.232
compute-0-7	10.13.1.247	compute-0-23	10.13.1.231
compute-0-8	10.13.1.246	compute-0-24	10.13.1.230
compute-0-9	10.13.1.245	compute-0-25	10.13.1.229
compute-0-10	10.13.1.244	compute-0-26	10.13.1.228
compute-0-11	10.13.1.243	compute-0-27	10.13.1.227
compute-0-12	10.13.1.242	compute-0-28	10.13.1.226
compute-0-13	10.13.1.241	compute-0-29	10.13.1.225
compute-0-14	10.13.1.240	compute-0-30	10.13.1.224
compute-0-15	10.13.1.239	compute-0-31	10.13.1.223

Expansions in Rack#2

compute-0-32	10.13.1.222
compute-0-33	10.13.1.221
compute-0-34	10.13.1.220
compute-0-35	10.13.1.219
compute-0-36	10.13.1.218
compute-0-37	10.13.1.217
compute-0-38	10.13.1.216
compute-0-39	10.13.1.215
compute-0-40	10.13.1.214
compute-0-41	10.13.1.213
compute-0-42	10.13.1.212
compute-0-43	10.13.1.211
compute-0-44	10.13.1.210
compute-0-45	10.13.1.209

Switch fixed IP addresses

compute-0-sw0	10.11.1.3
nfs-0-sw0	10.12.1.3
admin-0-sw0	10.13.1.3

NPACI Rocks Cluster Distribution 3.2.0 (Linux)
<http://www.rocksclusters.org/Rocks/>

Global Golden Eggs Visuals: <http://www.LinuxHPC.org>

BOM for one Compute Node

Part Number	Qty	Description
365520-B21	1	HP ProLiant DL145 IP 2.4GHz 2GB 40GB ATA
230534-B21	1	40-GB ATA 100 7200r disk drive 1"
361038-B21	3	PC2700 2GB Memory option kit 2x1GB
366619-B21	1	DL145 2.4GHz AMD64 250 CPU option kit

BOM for the Admin

Part Number	Qty	Description
365520-B21	1	HP ProLiant DL145 IP 2.4GHz 2GB 40GB ATA
230534-B21	1	40-GB ATA 100 7200r disk drive 1"
313881-B21	1	NC7170 PCI-X 10/100/1000-T Dual copper
361038-B21	1	PC2700 2GB Memory option kit 2x1GB
361060-B21	1	DVD-ROM Option kit, slimline
366619-B21	1	DL145 2.4GHz AMD64 250 CPU option kit

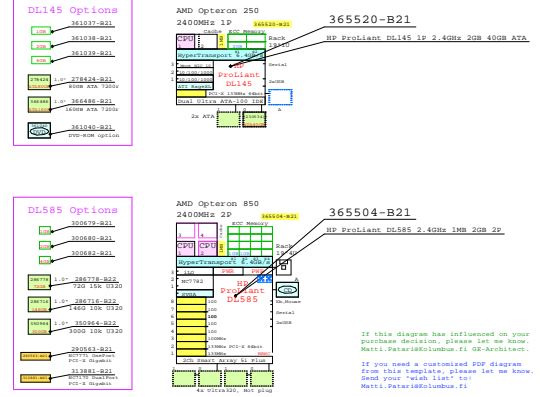
BOM for the Front-End and Storage

Part Number	Qty	Description
365504-B21	1	HP ProLiant DL585 2.4GHz 1MB 2GB 2P
273915-B21	1	Smart Array 6402/128 Ultra320 2-chan
286748-B22	4	72-GB 8GB 10000r U320 disk 1"
300679-B21	6	1GB ECC PC2100 DDR DIMM kit (2x512MB)
313881-B21	1	NC7170 PCI-X 10/100/1000-T Dual copper
366725-B21	2	DL585 2.4GHz AMD64 850 CPU option kit
302970-B21	1	MSA30 Dual Bus Ultra320 7+7 1"
286748-B22	14	146.8GB 10000r U320 disk 1"

BOM for the switches

Part Number	Qty	Description
J4899A	1	ProCurve 2650 10/100-T 48+2x50 Port 10
J4904A	2	ProCurve 2848 10/100/1000-T 44+4x48 Port

Base Nodes



If this diagram has influenced on your purchase decision, please let me know Matti.Patai@linuxun.fi GE-Architect.
 If you need a customized PDF diagram from this template, please let me know. Send your "wish list" to: Matti.Patai@linuxun.fi

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