

7D Enhanced Hypercube

More about Job submission - Placement by IB switch / Hypercube dimension.
Nodes may be selected via the PBS resource attribute ehc_[1-7]d .

Hypercube dimension	
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	1D ehc_1d 2D ehc_2d
3D ehc_3d	4D ehc_4d 5D ehc_5d 6D ehc_6d 7D ehc_7d

Schematic representation of the Salomon cluster IB single-plain topology represents hypercube dimension 0.

7D Enhanced Hypercube

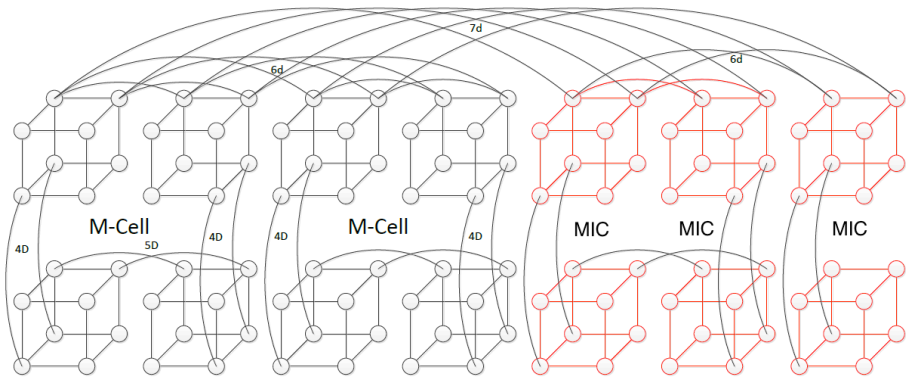


Figure 1:

Node type Count		Short name Long name		Rack	
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compute nodes w/o accelerator	576	cns1 -cns576	r1i0n0 - r4i7n17	1-4	compute
nodes MIC accelerated	432	cns577 - cns1008	r21u01n577 - r37u31n1008	21-38	

IB Topology

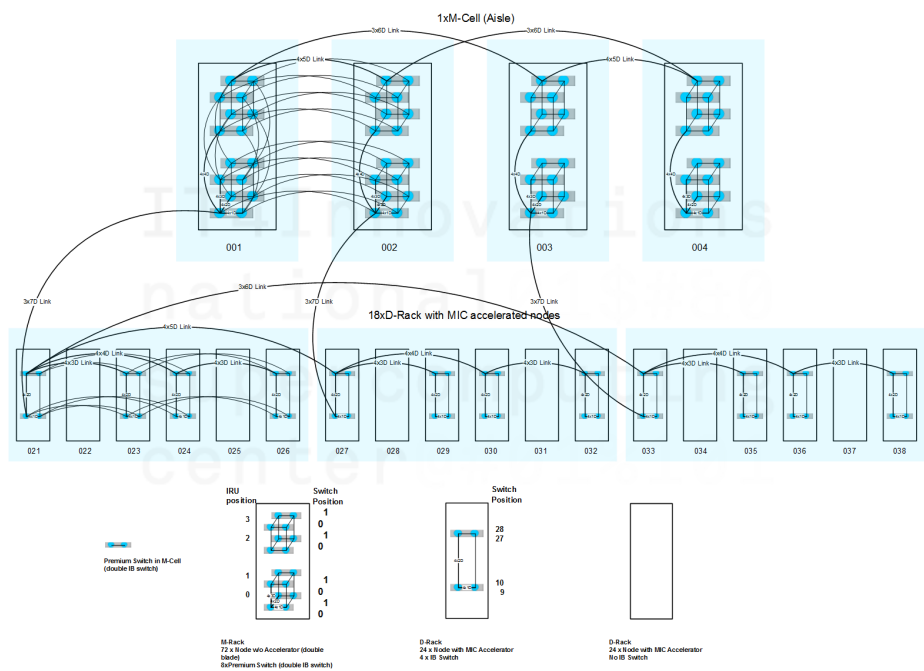


Figure 2: