

# 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

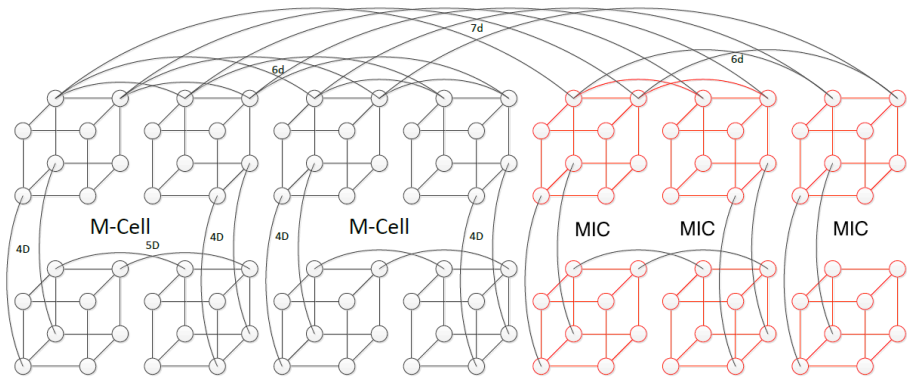


Figure 1:

Node type Count Short name Long name Rack	
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	M-Cell
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

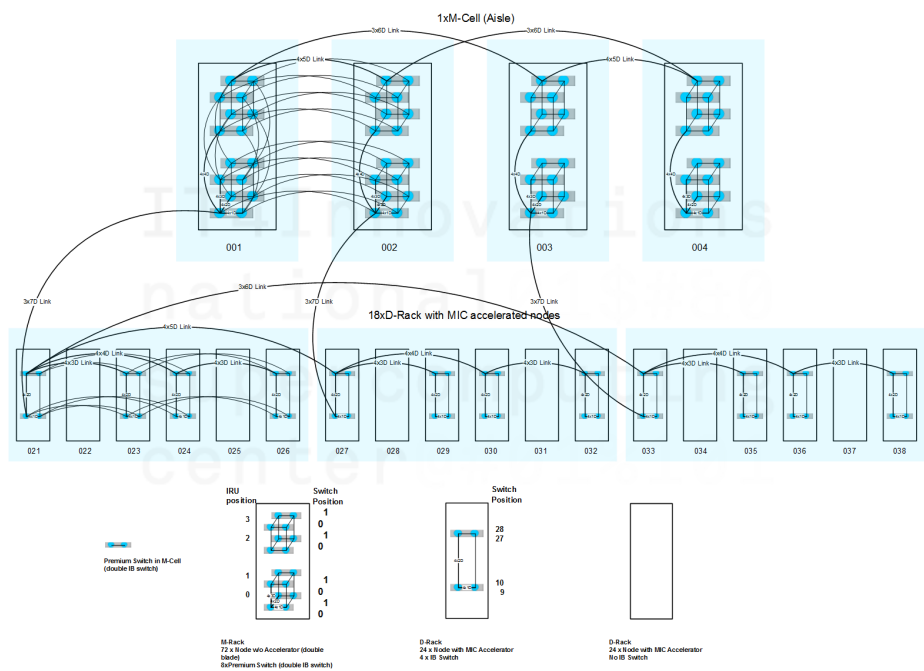


Figure 2: