

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	
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

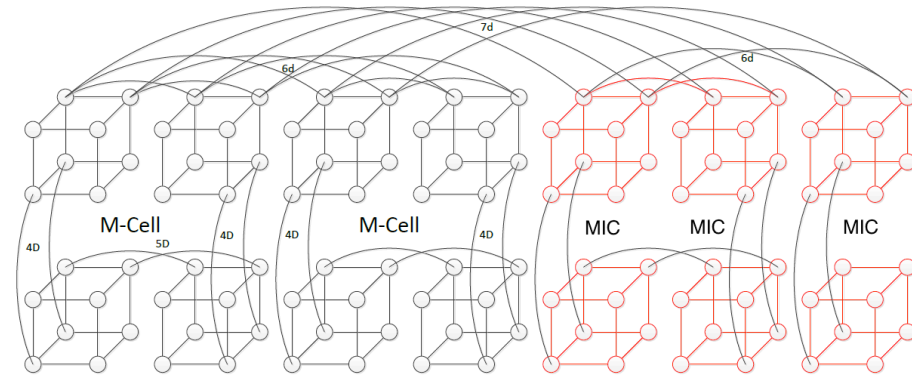


Figure 1:

Node type	Count	Short name	Long name	Rack
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

[Salomon IB topology](https://docs.it4i.cz/salomon/network-1/Salomon_IB_topology.png/@@images/93b8560de-438d-ac4d-a33a843c4eb2.png " Salomon IB topology")