






Hardware

Currently, the IDUN cluster consists of:

Compute Nodes

Node	Type	#Processors	Processor	#Cores	Memory [GB]	#GPUs	GPU	Topology
compute-2-0-[1-27]	Dell PE630	2	Intel Xeon E5-2630 v4	20	128			
compute-5-0-[17-23,25,27]	Dell PEC6420	2	Intel Xeon Gold 6132	28	192			
compute-3-0-[1-8]	Dell PE730	2	Intel Xeon E5-2695 v4	36	128	2	NVIDIA Tesla P100	
compute-4-0-[1-19]	Dell PE730	2	Intel Xeon E5-2650 v4	24	128	2	NVIDIA Tesla P100	
compute-5-0-[1-5]	Dell PE740	2	Intel Xeon Gold 6132	28	768	2	NVIDIA Tesla V100	

Login Nodes

Node	Type	#Processors	Processor	#Cores	Memory [GB]	#GPUs	GPU
idun-login1.hpc.ntnu.no	Dell PE630	2	Intel Xeon E5-2630 v4	20	64		
idun-login2.hpc.ntnu.no	Dell PE630	2	Intel Xeon E5-2630 v4	20	64		
idun-login3.hpc.ntnu.no	Dell PE730	2	Intel Xeon E5-2695 v4	36	128	1	NVIDIA Tesla P100

Admin Nodes

- 1 admin node/provisioning node: Dell PE620
- 2 samba server (**idun-samba1**, **idun-samba2**).hpc.ntnu.no

Network

- 3 Mellanox passive FDR switches for interconnect/storage on general part of cluster
- 2 Mellanox passive EDR switch for interconnect/storage on GPU part of cluster
- 3 Gigabit ethernet switches for provisioning and admin network