

JLSE Hardware

- Note, *Access Restricted* means you must request access via a [project proposal](#) or the hardware is restricted to administrative staff.

System Name	Description	Hostname (s)	Status	Service Date
witherspoon	Qty 1: IBM Power9 servers with 2 x 20-core Power9 processors @ 2.4GHz (3.00GHz turbo mode), 512GB DDR4 2666Mhz memory, 2 x 960GB internal SSDs, 1 x 1.6TB NVMe Flash adapter, 2-port 100GB EDR IB adapter, 2-port 1/10GbE adapter, 4x NVIDIA Volta V100 16GB GPUs Access Restricted (gpu_power9_v100_smx2 queue)	<ul style="list-style-type: none"> witherspoon00 	In Service	2019-10-15
gpu_v100_smx2	Qty: 3 - SuperMicro SuperServer 1029GQ-TVRT, 4x NVIDIA Tesla V100 SXM2 w/32GB HBM2, 2x Intel Xeon Gold 6152 CPU 22c 2.10GHz, 192GB RAM DDR4-2666, Mellanox ConnectX-5 EDR Access Restricted (DGX Queue)	<ul style="list-style-type: none"> gpu00-02 	In Service	
Petrelkube	Kubernetes testbed managed with Rancher Qty: 14 - IBM x3650 M4, Intel P3700 NVMe 800GB, Mellanox ConnectX-4 40GbE Access Restricted	<ul style="list-style-type: none"> petrelkub01-13 	In Service	
EPYC	Qty: 2 - Gigabyte R181-Z91, 2x AMD EPYC 7601 32c 2.20Ghz, 128GB RAM, Mellanox ConnectX-5 EDR	<ul style="list-style-type: none"> epyc00-01 	In Service	
ATOS	Atos Quantum Learning Machine (QLM-35), Bull Bullion based system with 4x Intel E7-8890 v4, 3TB RAM Access Restricted	<ul style="list-style-type: none"> atos00 	In Service	
DGX	Nvidia DGX-1, 8x Nvidia V100 GPUs with NVlink, https://www.nvidia.com/content/dam/en-zz/Solutions/Data-Center/dgx-1/NVIDIA-DGX-1-Volta-AI-Supercomputer-Datasheet.pdf Access Restricted (DGX Queue)	<ul style="list-style-type: none"> dgx2 	In Service	
Skylake	Qty: 13 - Intel S2600WF, (12 - 2x Intel Xeon Platinum 8180M CPU @ 2.50GHz, 1 2x Intel Xeon Platinum 8176 CPU @ 2.10GHz), 384GB RAM, Omni-path HCA, Intel P4500 1TB NVMe SSD, Intel P4800X 375GB NVMe Optane SSD	<ul style="list-style-type: none"> skylake00-12 	In Service	2018-01-18
JLSE-FS0	NetApp EF560 and E5600, HP Apollo 2000, Mellanox EDR Hosts GPFS jlse-fs0 700TB filesystem at /gdfs/jlse-fs0 Access Restricted, filesystem mounted on all x86_64 and ppc64le nodes, and is available for users and projects.		In Service	
KNL	Qty: 12 - Intel Adam's Pass S7200AP, (10 - KNL 7210 64c 1.3Ghz, 2 KNL 7250), 192GB RAM, (2 - Samsung 128GB NVMe SSD), Omni-path HCA, 200GB SATA SSD Access Restricted (Open Intel Resources)	<ul style="list-style-type: none"> knl00-11 	In Service	
It	Qty: 13 - Intel HNS2600KPR, 2x E5-2699v4 22c 2.2Ghz, 128GB RAM, Omni-path HCA, 200GB SATA SSD	<ul style="list-style-type: none"> it00-12 	In Service	2016-05-25
Gomez	Qty: 5 - SuperMicro 4048B-TR4FT, 4 Socket - Intel Haswell-EX E7-8867v3 16c 2.5Ghz. 1TB RAM, Mellanox EDR HCA, 200GB SATA SSD	<ul style="list-style-type: none"> gomez00-04 	In Service	2016-05-25
Pugsley	Lustre testbed Qty: 6 - IBM x3650 M4, 2x FDR (FDR10) connected Qty: 8 - DDN SS6000 SAS1 JBODs with 60 1TB drives Qty: 1 - DataOn DNS-2640 with 24 200GB SAS3 SSDs Access Restricted, mounted on aarch64 nodes at /lus/jlse-fs1	<ul style="list-style-type: none"> pugsley-mds0-1 pugsley-oss0-3 	In Service	
Firestone	Qty: 1 - IBM S822LC, OpenPower, Power8 10c 2.92Ghz, Mellanox EDR, Nvidia K80 GPU, Qty: 2 - 400GB SATA SSD, 128GB RAM	<ul style="list-style-type: none"> firestone 	In Service	2016-04-11

I2S	SDN Testbed Qty: 1 - Intel HNS2600KPR, 2x E5-2667v4 16c 3.20GHz, 128GB RAM, Mellanox ConnectX-4 HCA Qty: 1 - IBM x3650 M4, Mellanox ConnectX-4 HCA Qty: 2 - Mellanox SN2100 16x 100GbE Switch Access Restricted	<ul style="list-style-type: none"> i2s00 	In Service	
Petrel v3	Qty: 32 - SuperMicro SSG-5019D8-TR12P, 4PB raw, 3.2PB Ceph, 4x10GbE Qty: 2 - Intel HNS2600KPF, E5-1660v3, 4-Nodes in 2RU chassis, 1x40GbE WAN, 1x100GbE for Ceph. See: http://petrel.alcf.anl.gov Access Restricted	<ul style="list-style-type: none"> petrelos[1-32] petrelmon[1-3] petrelmids[1-2] petreltdn[1-8] 	In Service	2016-01-22
Fester	Qty: 1 - Intel R1208W2GS, production JLSE Monitoring server Access Restricted	<ul style="list-style-type: none"> fester 	In Service	2016-08-01
Mustang	Qty: 2 AppliedMicro X-C1 Development Kit Plus (X-Gene ARM64), See: https://www.apm.com/products/data-center/x-gene-family/x-c1-development-kits/x-c1-development-kit-plus/	<ul style="list-style-type: none"> mustang00-01 	In Service	2015-02-06
Thing	Qty: 8 - SuperMicro X10DRi, Intel Haswell-EP E5-2699v3, 128GB RAM, Mellanox EDR, 200GB SATA SSD, 4 RU	<ul style="list-style-type: none"> thing00-07 	In Service, Thing00 & 07 dedicated to projects	2014-12-12
Mutt/Jeff	DataOn CiB-9740 (Ceph Testbed) Access Restricted	<ul style="list-style-type: none"> mutt jeff 	In Service	2015-08-28
Maud	SuperMicro SuperServer 7047GR-TPRF, 2x E5-2687W 8c 3.4Ghz, 64GB RAM, Mellanox FDR (FDR10), Qty: 1 - Nvidia K20x Access Restricted (k20x queue)	<ul style="list-style-type: none"> maud 	In Service	2013-11-12
Neddy	SuperMicro SuperServer 7047GR-TPRF, 2x E5-2687W 8c 3.4Ghz, 64GB RAM, Mellanox FDR (FDR10), Qty: 2 - Nvidia RTX8000 w/NVlink Bridge Access Restricted (gpu_rtx8000 queue)	<ul style="list-style-type: none"> neddy 	In Service	2013-11-12
Lucie	SuperMicro SuperServer 7047GR-TPRF, 2x E5-2687W 8c 3.4Ghz, 64GB RAM, Mellanox FDR (FDR10), Qty: 1 - Nvidia P100	<ul style="list-style-type: none"> lucie 	In Service	2014-07-14
Ruth	FPGA Testbed SuperMicro SuperServer 7047GR-TPRF	<ul style="list-style-type: none"> ruth 	In Service	2014-05-09
Jenny	SuperMicro SuperServer 7047GR-TPRF	<ul style="list-style-type: none"> jenny 	Dedicated to project	2014-05-09
FTSN	Production Service Nodes Access Restricted	<ul style="list-style-type: none"> ftsn1-4 	In Service	2013-11-12
jiselogin1	IBM x3550 M4 (Production Login Node)		In Service	2013-11-12
jiselogin2	IBM x3550 M4 (Production Login Node)		In Service	2013-11-12