

Hardware Resources

Current IFCA computational resources (apart from the [High Performance Computing](#) resources) are shown here:

Name	Date	Model	Processor	Cores	HEP-SPEC	Memory	Hard Disk	Network	OS	Number of nodes	Total cores	Hostnames	Purpose	Status
acloud	May 2013	IBM dx360M4 idataplex	2 x Intel(R) Xeon(R) CPU E5-2670 0 @ 2.60GHz, 16 cpc	32	SPECint (632) / SPECfp(481)	64GB RAM (62 GB after VM)	435 GB	2 x Intel Corporation I350 Gigabit Network Connection	Ubuntu server 18.04	24	768	acloud01 to acloud24	General purpose (managed by Open Stack)	Active bl ocked URL
aitken	Sept 2015	IBM system x3850 X5	4 x Intel(R) Xeon(R) CPU E7- 4870 @ 2.40GHz, 20 cpc	80	SPECint (1100) / SPECfp(741)	1TB RAM (996 GB after VM)	259 GB	2 x Broadcom Corporation NetXtreme II BCM5709 Gigabit Ethernet	Ubuntu server 18.04	2	160	aitken01 to aitken02	General purpose (managed by Open Stack)	Down
astro	Oct 2010	HP ProLiant DL585G7	4 x Amd Opteron 6176 SE, 12 cpc	48	330	256GB RAM (220 GB after VM)	860 GB	2 x Emulex OneConnect 10Gb / 4 x NetXen NX3031 Multifunction 1/10-Gigabit	Ubuntu server 16.04	5	240	astro01 to astro06	General purpose (managed by Open Stack)	Active bl ocked URL
cms	Jun 2011	Fujitsu PRIMERGY BX920 S2	2 x Intel(R) Xeon(R) CPU X5670 @ 2.93GHz, 6 Cores per proc	12	191.68 (HT) / 154.51 (no HT)	48GB RAM	250 GB	4 x Gbit Ethernet via midplane at Ethernet Connection Blade Ethernet	Ubuntu server 18.04	36	432	cms01 to cms36	Computing nodes (managed by Open Stack)	Active bl ocked URL
cmsfj	Aug 2014	Fujitsu PRIMERGY BX924 S4	2 x Intel(R) Xeon(R) CPU E5-2697 v2 @ 2.70GHz, 12 cpc	24	415 (HT)	96 GB RAM	400 GB	2 x 10Gbit Emulex OneConnect	Ubuntu server 18.04	18	432	cmsfj01 to cmsfj18	Computing nodes (managed by Open Stack)	Active bl ocked URL
cmsphp	May 2013	HP ProLiant BL460c Gen8	2 x Intel(R) Xeon(R) CPU E5-2670 0 @ 2.60GHz, 8 cpc	16	305.83	128GB RAM	500 GB	HP FlexFabric 10Gb 2-port 554FLB	Ubuntu server 18.04	34	544	cmsphp01 to cmsfj34	Computing nodes (managed by Open Stack)	Active bl ocked URL
cmsln	Sept 2020	Lenovo ThinkSystem SD530	2x Intel(R) Xeon(R) Gold 6252 CPU @ 2.10GHz, 48 cpc	96		192Gb	450 GB	Intel Corporation Ethernet Connection X722 for 10GbE SFP+	Ubuntu server 18.04	20	1920	cmsln01 to cmsln20	Computing nodes (managed by Open Stack)	Active bl ocked URL
fcloud	Jul 2020	Lenovo ThinkSystem SR630	2x Intel(R) Xeon(R) Gold 6230 CPU @ 2.10GHz, 40 cpc	80		755Gb	200 GB	Intel Corporation Ethernet Connection X722 for 10GBASE-T	Ubuntu server 18.04	5	400	fcloud01 to fcloud05	Computing nodes (managed by Open Stack)	Active bl ocked URL
gpumad	Dec 2019	Lenovo ThinkSystem SR650	2x Intel(R) Xeon(R) Gold 6230 CPU @ 2.10GHz, 40 cpc + 2x NVIDIA Corporation GV100GL 32Gb + Infiniband EDR	80		188G	2Tb + 60Tb	Intel Corporation Ethernet Connection X722 for 10GBASE-T	Ubuntu server 18.04	20	1600	gpumad01 to gpumad20	Computing nodes (managed by Open Stack)	Active bl ocked URL
gpu01	Nov 2017	Fujitsu R920 POWER	Intel(R) Xeon(R) CPU E5-2620 0 @ 2.00GHz + 1 Nvidia 1080Ti	12		24GB RAM	900 GB	2 x Intel(R) Gigabit Ethernet Network Connection	Ubuntu server 18.04	1	12	gpu01	Computing nodes (managed by Open Stack)	Active bl ocked URL
gpumax0x	Jan 2018	Supermicro 418-20	Intel(R) Xeon(R) CPU E5-2603 v4 @ 1.70GHz + 10 GPUs Nvidia 1080Ti	12		192GB RAM	1.7 TB	2 x Intel(R) Gigabit Ethernet Network Connection	Ubuntu server 18.04	1	12	gpumax01	Computing nodes (managed by Open Stack)	Active bl ocked URL
gpumax1x	Dec 2021	Supermicro 418	Intel(R) Xeon(R) Gold 5220R CPU @ 2.20GHz + 8 GPUs Nvidia T4	96		384GB RAM	512 GB	2 x Intel(R) Gigabit Ethernet Network Connection	Ubuntu server 18.04	10	960	gpumax11 to gpumax20	Computing nodes (managed by Open Stack)	Active bl ocked URL
mcloud	Feb 2021	DELL	Intel Xeon Gold 5220R 2.20 GHz	96		192GB RAM	4 x 1TB	2 x 10GB Intel(R) Ethernet Network Connection	Ubuntu server 18.04	8	768	mcloud01 to mcloud08	Computing nodes (managed by Open Stack)	Active bl ocked URL
titan	Aug 2017	Fujitsu R920 POWER	2 x Intel(R) Xeon(R) CPU E5-2670 0 @ 2.60GHz, 8 cpc + Nvidia TitanX	16		128GB RAM	900 GB	2 x Intel(R) Gigabit Ethernet Network Connection	Ubuntu server 18.04	1	16	titan	Computing nodes (managed by Open Stack)	Active bl ocked URL
icloud	May 2013	IBM dx360M4 idataplex	2 x Intel(R) Xeon(R) CPU E5-2670 0 @ 2.60GHz, 16 cpc + Infiniband FDR	32	SPECint (632) / SPECfp(481)	32GB RAM (30 GB after VM)	435 GB	2 x Intel Corporation I350 Gigabit Network Connection	Ubuntu server 18.04	90	2880	icloud001 to icloud090	General purpose (managed by Open Stack)	Active bl ocked URL
ucloud_I	Jan 2012	SuperMicro MicroCloud 5037MC-H8TRF	Intel(R) Xeon(R) CPU E31260L @ 2.40GHz	8		16GB RAM	2 x 400 GB	2 Ethernet Gigabit	Ubuntu server 18.04	16	128	ucloud01 to ucloud16	General purpose (managed by Open Stack)	Active bl ocked URL
ucloud_II	Feb 2012	SuperMicro MicroCloud 5037MC-H8TRF	Intel(R) Xeon(R) CPU E31270 @ 3.40GHz	8		16GB RAM	2 x 1 TB	2 Ethernet Gigabit	Ubuntu server 18.04	16	128	ucloud17 to ucloud32	General purpose (managed by Open Stack)	Active bl ocked URL