

A vertical image on the left side of the slide shows a network diagram with blue nodes connected by lines, overlaid on a map of Europe.

Panel on Resources in Spain for the Federated Cloud

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¹IFCA-CSIC

- Resource contribution
- Development contribution
- Communities supported

Exclusive

192 slot/512 GB/ 45 TB

16x SM 5037MC-H8TRF	2x Intel(R) Xeon(R) CPU E31260L @ 2.40GHz (8-slot)	16GB RAM	800GB	2x Ethernet Gigabit
16x SM 5037MC-H8TRF	2x Intel(R) Xeon(R) CPU E31260L @ 2.40GHz (4-slot)	16GB RAM	2TB	2x Gigabit Ethernet

On demand

Cloud-ready clusters

2896 slots/ 8800 GB/ 33 TB

18x Fujitsu PRIMERGY BX924 S4	2x Intel(R) Xeon(R) CPU E5-2697 @ 2.70GHz (48-slot)	96GB RAM	400GB	2x 10Gbit Emulex OneConnect
34x HP ProLiant BL460c Gen8	2x Intel(R) Xeon(R) CPU E5-2670 @ 2.60GHz (32-slot)	128GB RAM	500GB	HP FlexFabric 10Gb 2-port 554FLB
36x Fujitsu PRIMERGY BX920 S2	2x Intel(R) Xeon(R) CPU X5670 @ 2.93GHz (24-slot)	48GB RAM	250GB	4x Gigabit Ethernet
1x IBM X3850-X5	4x Xeon E7-4870 10C 2.40 GHz 1066 MHz (80-slot HT)	1TB RAM	250GB	1x Mellanox MT27500 ConnectX-3 + 4x GigEther

OS Release	Bexar	Cactus	Diablo	Essex	Folsom	Grizzly	Havana	Icehouse	Juno
nova	x	x	x	x	x	x	x	x	x
glance	x	x	x	x	x	x	x	x	x
keystone				x	x!	x	x	x	x
horizon				x	x	x	x	x	x
cinder						x	x	x	x!
ceilometer							x	x	x
heat								x	x
	192	192	192	192	2144	2144	3008	3008	3008

x!keystone-voms adoption
x!ceph break-in

Storage outline

- **glance** 1.8TB image local storage
- **cinder** 2TB volume iSCSI storage
 ⇒ ceph integration Hundreds TB storage (GPFS
 Fibre Channel)

FedCloud adopted

keystone-voms <https://github.com/IFCA/keystone-voms.git>

occi-os <https://github.com/tmetsch/occi-os.git>

caso <https://github.com/IFCA/caso.git>

Internal use

atrope <https://github.com/alvarolopez/atrope.git>

FedCloud VOs

- fedcloud.egi.eu
- demo.fedcloud.egi.eu
- Monitoring VOs

FedCloud communities

- highthroughputseq.egi.eu
- [vcycle atlas/cms](#)
- [lifewatch](#)