

MOC services for general users

- Available now:
 - Production VM, Object Storage, Orchestration, Hadoop, Spark services...
- Estimated Timeline:
 - 6 months:
 - OpenShift PaaS platform for software development
 - Simpler GUI for scientific end users (XSEDE iPlant base)
 - Rich federation between two OpenStack clouds
 - 8 months:
 - BMI
 - Automated migration of resources to HPC
 - Bare metal on-demand Big Data
 - 12 months: ???
 - Matlab
 - (JBoSS) Data grid
 - ...

MOC for MACS (trusted)

- Bare-metal isolation platform : HIL
- Rich monitoring, data logging collection
- Simple OpenFlow testbed (one switch)
- Bifurcated ring with 200+ servers and 5TB/rack SSD, 326TB with Ceph 103TB usable storage and 90 OSDs.

MOC Production (Kaizen)

- Get started: (MOC/MACS sponsorship required)
 - <http://info.massopencloud.org/blog/user-account-request-form/>
 - <https://github.com/CCI-MOC/moc-public/wiki/Getting-started>
- Infrastructure:
 - 48 Cisco UCSCs each with 2 sockets/24 cores and 128 GB memory,
 - Fujitsu CD10000 CEPH appliance with 123 TB storage,
 - 1024+ public (floating) IP addresses (Thank you CSAIL)

MOC Production (Kaizen)

- Limitations for current free service per project:
 - 20 VCPU, 10 VMs, 10 volumes, 100GB
 - CentOS and Ubuntu images
 - Call if you need more...