

Cloud PaaS

Hadoop
Iterative MapReduce
HDFS
Hbase
Swift Object Store

IaaS

Nimbus
Eucalyptus
OpenStack
ViNE

GridaaS

Genesis
Unicore
SAGA
Globus

HPCaaS

MPI
OpenMP
CUDA

TestbedaaS

Infrastructure: *Inca, Ganglia*
Provisioning: *RAIN, CloudMesh*
VMs: *Phantom, CloudMesh*
Experiments: *Pegasus, Precip,*
Cloudmesh
Accounting: *FG, XSEDE*