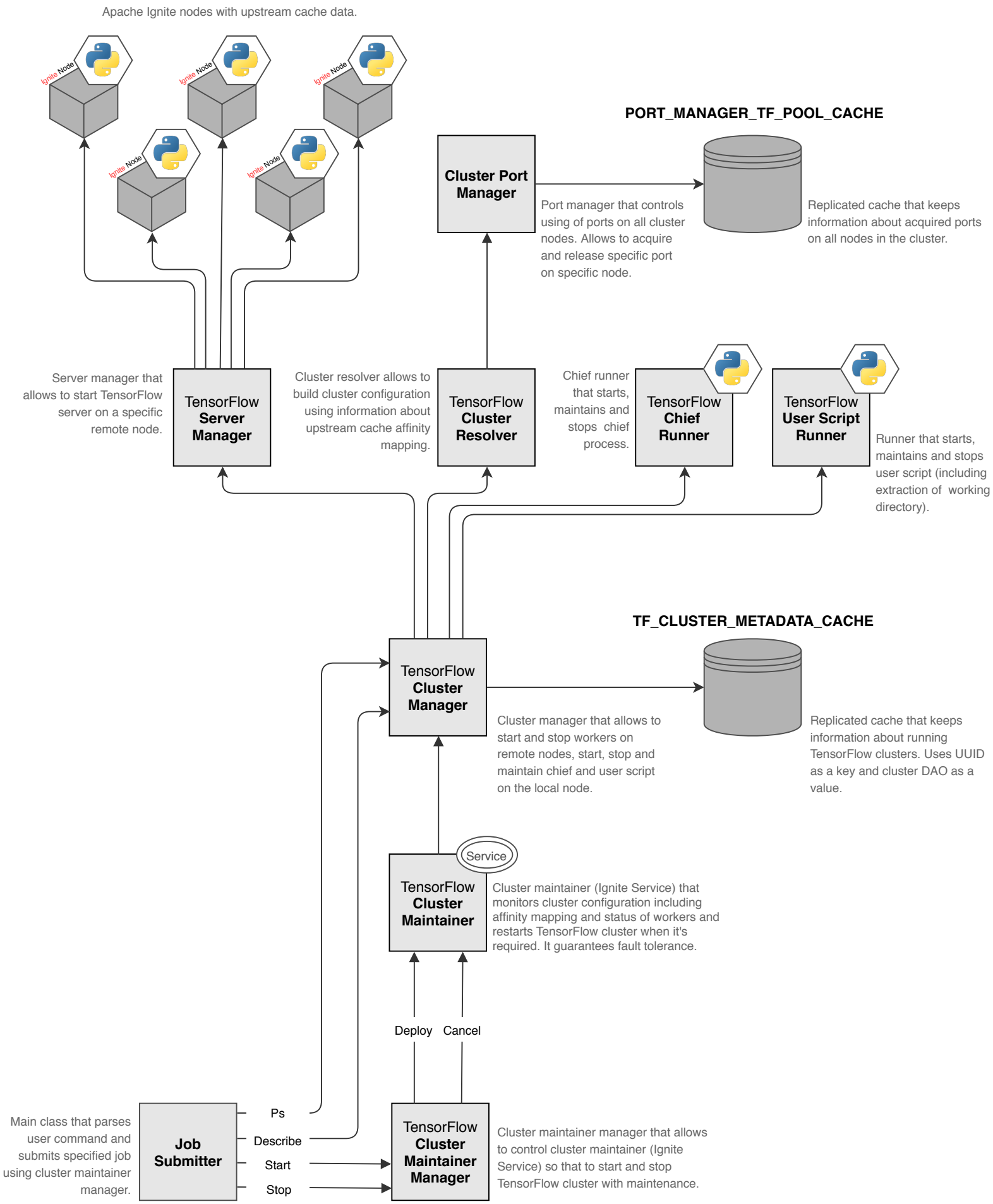
Apache Ignite nodes with upstream cache data.
Ignite Node
Ignite Node
Ignite Node
Ignite Node
Ignite Node
PORT_MANAGER_TF_POOL_CACHE
Cluster Port Manager
Port manager that controls using of ports on all cluster nodes. Allows to acquire and release specific port on specific node.
Replicated cache that keeps information about acquired ports on all nodes in the cluster.
Server manager that allows to start TensorFlow server on a specific remote node.
TensorFlow Server Manager
Cluster resolver allows to build cluster configuration using information about upstream cache affinity mapping.
TensorFlow Cluster Resolver
Chief runner that starts, maintains and stops chief process.
TensorFlow Chief Runner
TensorFlow User Script Runner
Runner that starts, maintains and stops user script (including extraction of working directory).
TF_CLUSTER_METADATA_CACHE
TensorFlow Cluster Manager
Cluster manager that allows to start and stop workers on remote nodes, start, stop and maintain chief and user script on the local node.
Replicated cache that keeps information about running TensorFlow clusters. Uses UUID as a key and cluster DAO as a value.
Service
TensorFlow Cluster Maintainer
Cluster maintainer (Ignite Service) that monitors cluster configuration including affinity mapping and status of workers and restarts TensorFlow cluster when it's required. It guarantees fault tolerance.
Deploy
Cancel
Main class that parses user command and submits specified job using cluster maintainer manager.
Job Submitter
Ps
Describe
Start
Stop
TensorFlow Cluster Maintainer Manager
Cluster maintainer manager that allows to control cluster maintainer (Ignite Service) so that to start and stop TensorFlow cluster with maintenance.