Increasing Node Size

If we want to increase the size of nodes (i.e. the machine type, not the number of nodes), then there is a "best practice" workload migration process to follow. This way affords better uptime than just re-creating the existing node pool.

Steps

Follow: Migrating workloads to different machine types | Kubernetes Engine

tl;dr

i. Add Terraform config for a new node pool

ii. Disable autoscaling on the old node pool

   - Remove the `autoscaling` section from the terraform config and apply

iii. Cordon the nodes of the old node pool

   - `kubectl cordon $NODE`

iv. Drain the nodes of the old node pool

   - `kubectl drain --force --ignore-daemonsets --delete-local-data --grace-period=10 $NODE`

v. Delete the old node pool

   - Remove the terraform config and apply

vi. Done!