



INGRESS

## Ingress

### Google Load Balancer Controller (GLBC)

There are several objects which need to be created to deploy the GCE Ingress Controller. YAML files are available to make the process easy. Be aware that several objects would be created for each service, and currently, quotas are not evaluated prior to creation.

The GLBC Controller must be created and started first. Also, you must create a ReplicationController with a single replica, three services for the application Pod, and an Ingress with two hostnames and three endpoints for each service. The backend is a group of virtual machine instances, Instance Group.

Each path for traffic uses a group of like objects referred to as a pool. Each pool regularly checks the next hop up to ensure connectivity.

The multi-pool path is:

**Global Forwarding Rule -> Target HTTP Proxy -> URL map -> Backend Service -> Instance Group**

Currently, the TLS Ingress only supports port 443 and assumes TLS termination. It does not support SNI, only using the first certificate. The TLS secret must contain keys named **tls.crt** and **tls.key**.