**Hello World Application – Unified Ingress**

**Components**:

* Citrix ADC VPX
* Citrix Ingress Controller (CIC)
  + Updates the Citrix ADC VPX with the k8s environment to route traffic to the Hello World application
* Hello World Application
  + Exposed by a serviceType=LoadBalancer which exposes the application on an IP address outside of the cluster. This IP address is specified in the CIC configuration.
* RBAC
  + Creates a service account to deploy the CIC

**Steps to Install:**

1. On the OpenShift Cluster, look up the hostsubnets and add those routes in the Citrix ADC VPX
   1. oc get hostsubnets
   2. Add these routes by navigating to System🡪Network🡪Routes
2. Create the helloworld namespace
   1. oc create namespace helloworld
3. Set the namespace as the current project
   1. oc project helloworld
4. Navigate to the directory in which the yaml files are located
   1. cd <directory name>
5. Deploy the RBAC file
   1. oc apply -f rbac-helloworld.yaml
6. Deploy the Hello World application
   1. oc apply -f app-helloworld.yaml
7. Deploy the service to expose the application
   1. oc apply -f service-loadbalancer-helloworld.yaml
8. Deploy the CIC
   1. oc apply -f cic-helloworld.yaml
   2. The parameter in the cic file “NS\_VIP” is the IP address that will expose the application
9. Add the “NS\_VIP” to the hosts file on the cluster and your local machine with the hostname “helloworld.com”
10. Navigate to helloworld.com
    1. A response of Hello Kubernetes! results in a successful deployment