

Cluster	Chula
Step 1	<code>kubectl create ns chula-ofteinplusplus-fedns</code>
Step 2	<code>vi chula-ofteinplusplus-quota.yaml</code>
Step 3	<p>Inside .yaml file</p> <pre> apiVersion: v1 kind: ResourceQuota metadata:   name: compute-resources spec:   hard:     requests.cpu: "1"     requests.memory: 1Gi     limits.cpu: "2"     limits.memory: 2Gi </pre>
Step 4	<code>kubectl create -f ./chula-ofteinplusplus-quota.yaml --namespace=chula-ofteinplusplus-fedns</code>
Step 5	<pre> \$ cat &lt;&lt;EOF   kubectl apply -f - apiVersion: v1 kind: ServiceAccount metadata:   name: chula-ofteinplusplus-sa   namespace: chula-ofteinplusplus-fedns EOF </pre>
Step 6	<pre> \$ cat &lt;&lt;EOF   kubectl apply -f - kind: Role apiVersion: rbac.authorization.k8s.io/v1 metadata:   name: chula-ofteinplusplus-role   namespace: chula-ofteinplusplus-fedns rules: - apiGroups: ["", "extensions", "apps"]   resources: ["*"]   verbs: ["*"] - apiGroups: ["batch"]   resources:   - jobs   - cronjobs   verbs: ["*"] EOF </pre>
Step 7	<pre> \$ cat &lt;&lt;EOF   kubectl apply -f - kind: RoleBinding apiVersion: rbac.authorization.k8s.io/v1 metadata:   name: chula-ofteinplusplus-rolebinding   namespace: chula-ofteinplusplus-fedns subjects: - kind: ServiceAccount </pre>

	<pre> name: chula-ofteinplusplus-sa namespace: chula-ofteinplusplus-fedns roleRef:   apiGroup: rbac.authorization.k8s.io   kind: Role   name: chula-ofteinplusplus-role EOF </pre>
Step 8	export NAMESPACE="chula-ofteinplusplus-fedns"
Step 9	export K8S_USER="chula-ofteinplusplus-sa"
Step 10	<pre>\$ cat .kube/config</pre> <p>Then copy .kube/config to Chula team</p> <p>Please tell public IP to Chula Team</p>
Step 11	<pre> kubectl -n \${NAMESPACE} describe secret \$(kubectl -n \${NAMESPACE} get secret   (grep \${K8S_USER}    echo "\$_")   awk '{print \$1}')   grep token:   awk '{print \$2}'\n </pre>
Step 12	<p><b>COPY YOUR TOKEN . We need it for Kubernetes Federation enabler next step</b></p>
Step 13	<pre> \$ cat .kube/config </pre> <p>You'll get file look like this</p> <pre> apiVersion: v1 clusters: - cluster:     certificate-authority-data: xxx     <b>server: https://0.0.0.0:55555</b>     name: &lt;Your_cluster_name&gt; contexts: - context:     cluster: &lt;Your_cluster&gt;     user: admin@&lt;Your_cluster&gt;     name: &lt;Your_cluster&gt; current-context: &lt;Your_cluster&gt; kind: Config preferences: {} users: - name: admin@&lt;Your_cluster&gt; </pre>

	user: <u>password: xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx</u> <u>username: admin</u>
Step 14	<p>Please send kube/config file to chula team</p> <p>Format should look like this</p> <pre> apiVersion: v1 clusters: - cluster:   certificate-authority-data: xx   <b>server: https://&lt;your_K8S_ip&gt;:55555</b>   name: &lt;Your_cluster_name&gt; contexts: - context:   cluster: &lt;Your_cluster&gt;   user: admin@&lt;Your_cluster&gt;   name: &lt;Your_cluster&gt; current-context: &lt;Your_cluster&gt; kind: Config preferences: {} users: - name: admin@&lt;Your_cluster&gt;   User:     token: &lt;your_token_from_previous_step&gt; </pre>