

Procedure Step-by-step UM

Cluster	Malaysia
Step 1	\$ kubectl create ns um-ofteinplusplus-fedns
Step 2	\$ vi um-ofteinplusplus-quota.yaml
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	\$ kubectl create -f ./um-ofteinplusplus-quota.yaml --namespace=um-ofteinplusplus-fedns
Step 5	<pre> \$ cat <<EOF kubectl apply -f - apiVersion: v1 kind: ServiceAccount metadata: name: um-ofteinplusplus-sa namespace: um-ofteinplusplus-fedns EOF </pre>
Step 6	<pre> \$ cat <<EOF kubectl apply -f - kind: Role apiVersion: rbac.authorization.k8s.io/v1 metadata: name: um-ofteinplusplus-role namespace: um-ofteinplusplus-fedns rules: - apiGroups: ["", "extensions", "apps"] resources: ["*"] verbs: ["*"] - apiGroups: ["batch"] resources: - jobs - cronjobs verbs: ["*"] EOF </pre>
Step 7	<pre> \$ cat <<EOF kubectl apply -f - kind: RoleBinding apiVersion: rbac.authorization.k8s.io/v1 metadata: name: um-ofteinplusplus-rolebinding namespace: um-ofteinplusplus-fedns subjects: </pre>

	<pre>- kind: ServiceAccount name: um-ofteinplusplus-sa namespace: um-ofteinplusplus-fedns roleRef: apiGroup: rbac.authorization.k8s.io kind: Role name: um-ofteinplusplus-role EOF</pre>
Step 8	\$ export NAMESPACE="um-ofteinplusplus-fedns"
Step 9	\$ export K8S_USER="um-ofteinplusplus-sa"
Step 10	<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 11	COPY YOUR TOKEN . We need it for Kubernetes Federation enabler next step
Step 12	<pre>\$ cat .kube/config</pre> <p>You'll get file look like this</p> <pre>apiVersion: v1 clusters: - cluster: certificate-authority-data: xxx server: https://0.0.0.0:55555 name: <Your_cluster_name> contexts: - context: cluster: <Your_cluster> user: admin@<Your_cluster> name: <Your_cluster> current-context: <Your_cluster> kind: Config preferences: {} users: - name: admin@<Your_cluster> user: <u>password: xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx</u> <u>username: admin</u></pre>
Step 13	<ul style="list-style-type: none"> - Change Server : https://<your_ip>:<your_port> - Replace password: xxxxxxxxxx Username : admin

	<p>With</p> <p>token: <your_token_from_previous_step></p>
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: xxx <u>server: https://<your_K8S_ip>:55555</u> name: <Your_cluster_name> contexts: - context: cluster: <Your_cluster> user: admin@<Your_cluster> name: <Your_cluster> current-context: <Your_cluster> kind: Config preferences: {} users: - name: admin@<Your_cluster> User: token: <your_token_from_previous_step> </pre>