

# Installation Instructions

## 1. Install VictoriaMetrics K8s Stack using Helm:

```
helm upgrade --install vmks oci://ghcr.io/victoriametrics/helm-charts/victoria-metrics-k8s-stack -f values.yaml -n austin
```

## 2. Install Metrics Server:

```
kubectl apply -f https://github.com/kubernetes-sigs/metrics-server/releases/download/v0.5.0/components.yaml
```

## 3. Patch Metrics Server Deployment:

- Edit the patch file as needed:

```
vi metrics-server-patch.yaml
```

- Apply the patch:

```
kubectl patch deployment metrics-server -n kube-system --patch "$(cat metrics-server-patch.yaml)"
```

- Alternatively, add the insecure TLS argument:

```
kubectl patch -n kube-system deployment metrics-server --  
type=json \  
-p  
'[{"op":"add","path":"/spec/template/spec/containers/0/args/-  
","value":"--kubelet-insecure-tls"}]'
```

## 4. Set up VictoriaLogs:

- Create and enter the logs directory:

```
mkdir logs  
cd logs
```

- Get default values and install VictoriaLogs:

```
helm show values vm/victoria-logs-single > values.yaml  
helm upgrade --install vls vm/victoria-logs-single -f values.yaml  
-n austin
```

## 5. Verify Installation:

```
kubectl get pods -A | grep 'vls'
```

## 6. Port Forward VictoriaLogs (optional):

```
export POD_NAME=$(kubectl get pods --namespace austin -l "app=server"  
-o jsonpath="{.items[0].metadata.name}")  
kubectl --namespace austin port-forward $POD_NAME 9428
```