DEMONSTRATION:

```
[cloud-user@dockerhkm simplismart]$ ll
total 16940
-rw-rw-r--. 1 cloud-user cloud-user
drwxrwxr-x. 2 cloud-user cloud-user
drwxrwxr-x. 2 cloud-user cloud-user
drwxrwxr-x. 2 cloud-user cloud-user
for Dec 28 10:49 kubernetes-files
drwxrwxr-x. 2 cloud-user cloud-user
for Dec 28 10:49 kubernetes-files
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drwxrwxr-x. 2 cloud-user cloud-user
for Dec 28 10:49 kubernetes-files
drwxr-xr-x. 2 cloud-user cloud-user
for Dec 28 10:49 kubernetes-files
drwxr-xr-x. 2 cloud-user@dockerhkm simplismart]$ rm linux-amd64
rm: cannot remove 'linux-amd64': Is a directory
[cloud-user@dockerhkm simplismart]$ rm -rf linux-amd64
[cloud-user@dockerhkm simplismart]$ sudo rm -rf /usr/local/bin/helm
[cloud-user@dockerhkm simplismart]$ rm ./scripts/k8s_automation.sh
[cloud-user@dockerhkm simplismart]$ rm ./scripts/k8s_automation
k8s_automation_local.sh k8s_automation.sh
[cloud-user@dockerhkm simplismart]$ rm ./scripts/k8s_automation.sh
[cloud-user@dockerhkm simplismart]$ rm ./scripts/k8s_automation.sh
[cloud-user@dockerhkm simplismart]$ rm ./scripts/k8s_automation.sh
```

```
Ros_autumat cun_tocat.sn Ros_autumat cun.sn [cloud-user@dockerhkm simplismart]s //scripts/k8s_automation_local.sh [cloud-user@dockerhkm simplismart]s //scripts/k8s_automation.sh Checking Rosa dependenctes...
Authorized users only Helm is not unstalled. Installing Helm... -.2024 12-28 12-48:10-- https://get.helm.sh/helm-v3.16.4-linux-amd64.tar.gz Connecting to 10.157.240.245:28080... 200 OK Length: 17344287 (17M) [application/xiar] Saving to: 'helm-v3.16.4-linux-amd64.tar.gz' helm-v3.16.4-linux-amd64.tar.gz' helm-v3.16.4-linux-amd64.tar.gz' saved [17344287/17344287] linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd64/linux-amd6
```

```
Helm installed successfully.

All local dependencies are installed.
Enter the deployment name: simplismart
Enter the manespace (default): default
Enter the Docker image name (e.g., nginx): devopsartifact.jio.com/jdp-internal_project_process_dev_dcr/nginx
Enter the Docker image name (e.g., nginx): devopsartifact.jio.com/jdp-internal_project_process_dev_dcr/nginx
Enter the Container port to expose: 80
Enter CPU requests (e.g., 500m): 500m
Enter memory requests (e.g., 500m): 512Mi
Enter cPU lumits (e.g., 100m): 512Mi
Enter cPU lumits (e.g., 100m): 512Mi
Enter cPU lumits (e.g., 100m): 512Mi
Enter the service type (ClusterIP/NodePort/LoadBalancer): NodePort
Enter the service type (ClusterIP/NodePort/LoadBalancer): NodePort
Enter the maximum number of replicas: 3
Enter the target CPU utilization (e.g., 50): 20
Setting up Kubernetes files on remote server...
Authorized users only
deployment.yaml
Authorized users only
deployment.yaml
Authorized users only
for containing the service inchanged
Authorized users only
deploying Kubernetes resources...
```

FOR KEDA I HAVE SOME RESTRICTIONS IN MY CURREENT ENVIRONMENT NEED TO WHITELIST THE URL THAT'LL take some time.

```
service/simplismart-service unchanged
Authorized users only
horizontalpodautoscaler.autoscaling/simplismart-hpa configured
Number of the service of the serv
```

FINAL DEPLOYMENT

NAME	READY	STATUS	RESTARTS	AGE
acs-7d5b9dbff7-8zcqb	0/1	ImagePullBackOff	0	9m38s
debug	0/1	ImagePullBackOff	0	44h
kdm-5fd8689b89-zs7sg	0/1	ImagePullBackOff	0	11m
nginx-64f799fbc7-8zl74	1/1	Running	0	2d21h
simplismart-54dd886f6d-jqqxb	1/1	Running	0	107m

HEALTHCHECK

```
RollingUpdateStrategy: 25% max unavailable, 25% max surge
Pod Template:
  Labels: app=simplismart
  Containers:
   simplismart:
                   devopsartifact.jio.com/jdp-internal_project_process__dev__dcr/nginx:stable3.19
     Image:
    Port:
Host Port:
                   80/TCP
                  0/TCP
     Limits:
                  1
1Gi
       cpu:
    memory:
Requests:
                       500m
       cpu:
                       512Mi
       memory:
    Environment:
                       <none>
    Mounts:
                       <none>
  Volumes: <none>
Node-Selectors: <none>
<none>
Conditions:
                    Status Reason
  Type
  Available
                             MinimumReplicasAvailable
Progressing
OldReplicaSets:
NewReplicaSet:
                             NewReplicaSetAvailable
                   <none>
                    simplismart-54dd886f6d (1/1 replicas created)
Events:
Authorized users only
Name:
                     simplismart-54dd886f6d-jqqxb
Namespace:
                      default
Priority: 0
Service Account: default
Node:
Start Time:
Labels:
                     minikube/192.168.49.2
Sat, 28 Dec 2024 11:01:51 +0530
app=simplismart
                     pod-template-hash=54dd886f6d
Annotations:
Status:
                     Running
10.244.0.12
IP:
IPs:
  IP:
```

```
| Service Account: default | Service Account: de
```