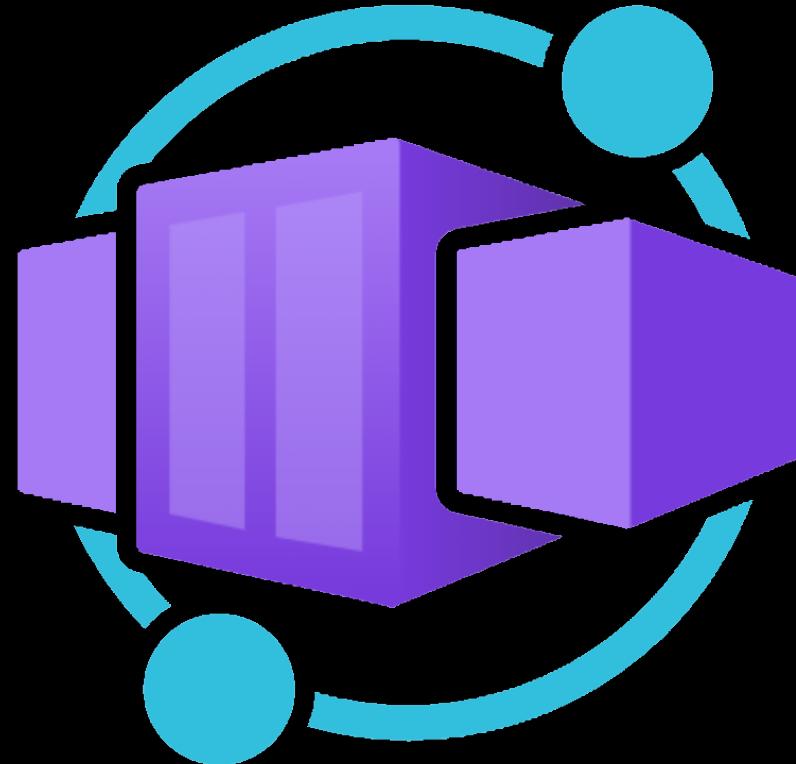


Container Apps deploy with YAML

```
type: Microsoft.App/containerApps
tags:
  env: production
properties:
  managedEnvironmentId: <env_id>
configuration:
  activeRevisionsMode: Multiple
ingress:
  external: true
  allowInsecure: false
  targetPort: 80
template:
  revisionSuffix: myrevision
containers:
  - image: nginx
    name: nginx
```



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Creating Container Apps using Azure CLI - options

```
az containerapp create --name  
  --resource-group  
  [--allow-insecure {false, true}]  
  [--args]  
  [--bind]  
  [--command]  
  [--container-name]  
  [--cpu]  
  [--dal]  
  [--dapr-app-id]  
  [--dapr-app-port]  
  [--dapr-app-protocol {grpc, http}]  
  [--dapr-http-max-request-size]  
  [--dapr-http-read-buffer-size]  
  [--dapr-log-level {debug, error, info, warn}]  
  [--enable-dapr {false, true}]  
  [--env-vars]  
  [--environment]  
  [--environment-type {connected, managed}]  
  [--exposed-port]  
  [--image]  
  [--ingress {external, internal}]  
  [--max-replicas]  
  [--memory]  
  [--min-replicas]  
  [--no-wait]  
  [--registry-identity]  
  [--registry-password]  
  [--registry-server]  
  [--registry-username]  
  [--revision-suffix]  
  [--revisions-mode {multiple, single}]  
  [--scale-rule-auth]  
  [--scale-rule-http-concurrency]  
  [--scale-rule-metadata]  
  [--scale-rule-name]  
  [--scale-rule-type]  
  [--secret-volume-mount]  
  [--secrets]  
  [--system-assigned]  
  [--tags]  
  [--target-port]  
  [--termination-grace-period]  
  [--transport {auto, http, http2, tcp}]  
  [--user-assigned]  
  [--workload-profile-name]  
  [--yaml]
```

Creating Container App using YAML file

```
$ az containerapp create -n app  
-g rg --yaml app.yaml
```

```
type: Microsoft.App/containerApps  
tags:  
  env: production  
properties:  
  managedEnvironmentId: <env_id>  
configuration:  
  activeRevisionsMode: Multiple  
ingress:  
  external: true  
  allowInsecure: false  
  targetPort: 80  
template:  
  revisionSuffix: myrevision  
  containers:  
    - image: nginx  
      name: nginx
```

```
$ kubectl apply -f deployment.yaml  
Similar to deploying Kubernetes YAML manifest.
```

```
apiVersion: apps/v1  
kind: Deployment  
metadata:  
  name: webapp  
spec:  
  selector:  
    matchLabels:  
      app: webapp  
  replicas: 5  
  template:  
    spec:  
      containers:  
        - name: webapp  
          image: nginx  
          ports:  
            - containerPort: 80
```

Name ↑↓	Type ↑↓
<input type="checkbox"/> aca-environment	Container Apps Environment
<input checked="" type="checkbox"/> app-01	Container App
<input type="checkbox"/> workspace-rgacakxPp	Log Analytics workspace

Creating Container App using YAML file

```
$ az containerapp create -n app  
-g rg --yaml app.yaml
```

```
type: Microsoft.App/containerApps  
tags:  
  env: production  
properties:  
  managedEnvironmentId: <env_id>  
configuration:  
  activeRevisionsMode: Multiple  
ingress:  
  external: true  
  allowInsecure: false  
  targetPort: 80  
template:  
  revisionSuffix: myrevision  
containers:  
  - image: nginx  
    name: nginx
```

```
$ kubectl apply -f deployment.yaml
```

Similar to deploying Kubernetes YAML manifest

```
apiVersion: apps/v1  
kind: Deployment  
metadata:  
  name: webapp  
spec:  
  selector:  
    matchLabels:  
      app: webapp  
  replicas: 5  
  template:  
    spec:  
      containers:  
        - name: webapp  
          image: nginx  
          ports:  
            - containerPort: 80
```

```
$ terraform apply -auto-approve
```

Similar to Terraform

```
resource "azurerm_container_app" "aca" {  
  name           = "aca"  
  container_app_environment_id = var.id  
  resource_group_name      = rg.name  
  revision_mode          = "Single"  
  template {  
    container {  
      name    = nginx  
      image   = nginx  
    }  
  }  
  ingress {  
    allow_insecure_connections = false  
    external_enabled           = true  
    target_port                 = 80  
    transport                   = "auto"  
  }  
}
```

Creating ACA App using YAML file

```
location: canadacentral
name: mycontainerapp
resourceGroup: myresourcegroup
type: Microsoft.App/containerApps
tags:
  tagname: value
properties:
  managedEnvironmentId: env_id
  configuration:
    activeRevisionsMode: Multiple
  secrets:
    - name: mysecret
      value: thisismysecret
    - name: myregistrypassword
      value: I<3containerapps
  ingress:
    external: true
    allowInsecure: false
    targetPort: 80
  traffic:
    - latestRevision: true
      weight: 100
  transport: Auto
```

```
registries:
  - passwordSecretRef: pwd
    server: acr.azurecr.io
    username: myregistry
dapr:
  appId: mycontainerapp
  appPort: 80
  appProtocol: http
  enabled: true
template:
  revisionSuffix: myrevision
  containers:
    - image: nginx
      name: nginx
      env:
        - name: HTTP_PORT
          value: 80
        - name: secret_name
          secretRef: mysecret
  command:
    - npm
    - start
  resources:
    cpu: 0.5
```

```
probes:
  - type: liveness
    httpGet:
      path: "/health"
      port: 8080
    httpHeaders:
      - name: "Custom-Header"
        value: "liveness probe"
    initialDelaySeconds: 7
    periodSeconds: 3
  - type: readiness
    tcpSocket:
      port: 8081
    initialDelaySeconds: 10
    periodSeconds: 3
  - type: startup
    httpGet:
      path: "/startup"
      port: 8080
    httpHeaders:
      - name: "Custom-Header"
        value: "startup probe"
    initialDelaySeconds: 3
    periodSeconds: 3
volumeMounts:
  - mountPath: /myempty
    volumeName: myempty
  - mountPath: /myfiles
```