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## How to Deploy a CloudGen User Directory Connector With Kubernetes

<https://campus.barracuda.com/doc/96019876/>

The steps described in this article assume familiarity with kubernetes. The required images are available in the Dockerhub registry under the organization [FydeInc](#).

### Prerequisites:

- Running [kubernetes cluster](#) or local [minikube](#) installation
- [kubectI](#) and [helm](#)
- User Directory connector token
- Directory Provider authorization token. See [CloudGen Access User Directory Connector](#) for more information.

### Helm chart

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The helm chart is available at [Artifactory](#) and covers the Barracuda CloudGen Access Directory Connector.

Check the Artifactory link or 'values.yaml' file for all the configuration parameters.

### Deployment

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Create a 'custom-values.yaml' file with the desired values. The minimum required configurations for a successful deployment are:

- 'authToken.existingSecret.\*' or 'authToken.newSecret.value'
- 'authToken.type'
- 'enrollmentToken.existingSecret.\*' or 'enrollmentToken.newSecret.value'

Add the helm repo and install the chart:

```
helm repo add barracuda-cloudgen-access  
https://barracuda-cloudgen-access.github.io/helm-charts  
helm install my-release barracuda-cloudgen-access/cga-directory-connector --  
namespace my-namespace --set-file custom-values.yaml
```

Optionally, instead of using "helm install", export the yaml files and deploy using your preferred method:

```
helm template barracuda-cloudgen-access/cga-directory-connector --set-file  
custom-values.yaml
```

## Example

Extended example for Google Workspaces directory with Prometheus service monitors:

```
nameOverride: cga-directory-connector-my-deploy  
serviceMonitor: true  
priorityClassName: high-priority  
  
authToken:
```

```
type: google
existingSecret:
  name: cga-directory-connector-secret
  key: auth-token
enrollmentToken:
  existingSecret:
    name: cga-directory-connector-secret
    key: enrollment-token

logLevel: info

customEnv:

  - name: FYDE_GROUPS_INCLUDED
    value: "Engineering"

  - name: FYDE_ONLY_MATCHED_GROUPS
    value: "true"

resources:
  limits:
    cpu: 100m
    memory: 128Mi

  requests:
    cpu: 100m
    memory: 128Mi
```

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