

GENESYS

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Digital Channels Private Edition Guide

Deploy

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Learn how to deploy into a private edition environment.

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Assumptions

- The instructions on this page assume you are deploying the service in a service-specific namespace, named in accordance with the requirements on Creating namespaces. If you are using a single namespace for all private edition services, replace the namespace element in the commands on this page with the name of your single namespace or project.
- Similarly, the configuration and environment setup instructions assume you need to create namespace-specific (in other words, service-specific) secrets. If you are using a single namespace for all private edition services, you might not need to create separate secrets for each service, depending on your credentials management requirements. However, if you do create service-specific secrets in a single namespace, be sure to avoid naming conflicts.

Deploy Al Connector

Important

Make sure to review Before you begin for the full list of prerequisites required to deploy Digital Channels Al Connector.

Prepare your environment

To prepare your environment for the Google Kubernetes Engine (GKE) deployment, complete the steps in this section.

GKE

Log in to the GKE cluster from the host where you will run the deployment:

gcloud container clusters get-credentials

Create a JSON file called **create-nexus-namespace.json** with the following content:

```
{
  "apiVersion": "v1",
  "kind": "Namespace",
  "metadata": {
     "name": "athena",
     "labels": {
        "name": "athena"
     }
  }
}
```

Use the JSON file to create a new namespace for Digital Channels Al Connector:

kubectl apply -f apply create-athena-namespace.json

Now, confirm the created namespace:

kubectl describe namespace athena

Configure a secret to access JFrog

If you haven't done so already, create a secret for accessing the JFrog registry:

kubectl create secret docker-registry --docker-server= --docker-username= --docker-password=

Deploy

To deploy AI Connector, you'll need the Helm package and override files you downloaded in a previous step. Copy **values.yaml** and the Helm package (**athena-.tgz**) to the installation location.

You must override the following key sections in values.yaml:

- · image.*
- · athena.nexus.*
- athena.redis.*
- · athena.db.*
- ingress.*

Here's an example of how your **values.yaml** file might look:

Default values for athena.

```
# This is a YAML-formatted file.
# Declare variables to be passed into your templates.
version: "100.0.124.3419" # AI Connector Version
nameOverride: ""
fullnameOverride: ""
replicaCount: 1
image:
  registry: "pureengage-docker-staging.jfrog.io"
  repository: nexus/athena
  pullPolicy: IfNotPresent
  pullSecrets:
serviceAccount:
  create: false
  name: ""
  annotations: {}
podAnnotations: {}
podLabels: {}
podSecurityContext:
  runAsNonRoot: true
  runAsUser: 500
  runAsGroup: 500
  fsGroup: 500
securityContext: {}
configChecksum: true
secretChecksum: true
containerPort: 4084
service:
  enabled: true
  type: ClusterIP
  annotations: {}
  port: 80
ingress:
  enabled: false
  annotations: {}
  hosts:
    - host: athena.local
     paths: []
  tls: []
  # - secretName: athena-tls-secret
  #
     hosts:
        - athena.local
resources: {}
  # limits:
      cpu: 100m
     memory: 128Mi
  # requests:
```

```
cpu: 100m
     memory: 128Mi
nodeSelector: {}
tolerations: []
affinity: {}
priorityClassName: ""
dnsPolicy: ClusterFirst
dnsConfig:
  options:
    - name: ndots
     value: "3"
monitoring:
  enabled: false
athena:
  server:
   apiPrefix: "/nexus/v3"
  nexus:
   url: ""
    apiPrefix: "/nexus/v3"
    apiKey: ""
    timeout: 10000
  db:
   host: ""
    port: 5432
   user: ""
    password: ""
    database: ""
    ssl: false
  redis:
    nodes: "redis://:6379"
    password: ""
    cluster: true
    tls: false
  google:
    speechApiKey: ""
```

Run the following command to install AI Connector:

```
helm upgrade --install /athena-.tgz -f values.yaml
```

Validate the deployment

To validate the deployment, first run the following code snippet

```
kubectl port-forward service/athena :80
```

Then, send the GET request on the following URL:

\$athenaURL/health/detail

where **\$athenaURL** is the fully qualified domain name (FQDN) for AI Connector.

The response should look like this:

```
{
     "buildInfo": {
          "version": "100.0.001.97446",
"changeset": "565f432fa8f4555276b55e8237cebcfb201b986e",
"timestamp": "Mon Jan 17 10:21:22 UTC 2022"
     },
"startTime": "2022-03-17T13:15:22.873Z",
     "upTime": 49338032,
     "os": {
    "hostname": "athena-6bb9c5c68f-bz449",
          "freemem": 1316397056,
          "loadavg": [0.35, 0.37, 0.63],
          "totalmem": 4124729344
     "memoryUsage": {
          "rss": 178757632,
          "heapTotal": 83382272,
          "heapUsed": 80987072,
"external": 1890524,
"arrayBuffers": 126610
    "state": "READY",
          "latency": 5
    },
"db": {
    "latency": 202
     },
"isReady": true
}
```

The deployment is successful if state="green". You can also confirm that db.ready=true and redis.ready=true.

Uninstall

Execute the following command to uninstall AI Connector:

```
helm delete -n
```

Next steps

Complete the steps in Provisioning overview to finish deploying AI Connector.