GENESYS™

Email Private Edition Guide

Deploy Email

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Contents

Learn how to deploy Email into a private edition environment.

Related documentation:
-
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-
-

RSS:
- For private edition

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.

Kubernetes

Prepare

1. Create a new project using the following command:

   ```
   kubectl create namespace iwdem
   ```

2. Create a pull secret for accessing the JFrog registry. See Create the pull secret.

3. Download the IWD helm chart from the JFrog repository. See Download the Helm charts.

4. Email requires the Digital Channels API key. The key must be provisioned and shared via Digital Channels.

Deploy

1. Extract parameters from chart to see multiple (default) values used to fine tune the installation.

   ```
   $ helm show values iwdem-.tgz > values.yaml
   ```

   For information on parameters and values in the **values.yaml** file, see Override Helm chart values. Sample override file:

   ```
   replicaCount: 1

   image:
     registry: pureengage-docker-staging.jfrog.io
     repository: nexus/iwd-email
     pullSecrets:
       - name: pullsecret

   gauth:
     auth:
       url: http://gauth-auth.${GAUTH_NAMESPACE}:80

   redis:
     nodes: redis://${REDIS_ADDR}:${REDIS_PORT}
     useCluster: true
     enableTLS: false
     #password: xxx #in secrets

   nexus:
     url: http://nexus.${NEXUS_NAMESPACE}
     #apikey: xxx #in secrets

   monitoring:
     # Deploy PodMonitor
     enabled: true
     # Create PrometheusRule k8s object with alarm definitions
     alarms: true
     # Create ConfigMap with Grafana Dashboards
     dashboards: true
     # URL to Runbook
     # runbookUrl:
   ```

2. Install Email using the following command (replace with applicable values):

   ```
   helm install iwdem ./iwdem-.tgz -f override_values.yaml \
       --set redis.password= \
       --set nexus.apikey= \
       --namespace=iwdem
   ```

OpenShift

Prepare

1. Create a new project using the following command:

```
  oc get clusterversion
  oc new-project iwdem
```

2. Create a pull secret for accessing the JFrog registry. See Create the pull secret.

3. Download the IWD helm chart from the JFrog repository. See Download the Helm charts.

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  auth:
    url: http://gauth-auth.${GAUTH_NAMESPACE}:80

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  nodes: redis://${REDIS_ADDR}:${REDIS_PORT}
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2. Install Email using the following command (replace with applicable values):

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helm install iwdem ./iwdem-.tgz -f override_values.yaml \
    --set redis.password= \
    --set nexus.apikey= \
    --namespace=iwdem
```

Google Kubernetes Engine (GKE)

Prepare

1. Log in to the GKE cluster.

   ```
   gcloud container clusters get-credentials
   ```

2. Create a new project:

   1. Create a *create-iwdem-namespace.json* :

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

   2. Create a namespace using the above JSON:

      ```
      kubectl apply -f create-iwdem-namespace.json
      ```

   3. Confirm the namespace creation:

      ```
      kubectl describe namespace iwdem
      ```

3. Create a pull secret for accessing the JFrog registry.

   ```
   kubectl create secret docker-registry jfrog-stage-credentials \
   --docker-server=pureengage-docker-staging.jfrog.io \
   --docker-username= \
   --docker-password= \
   --docker-email=
   ```

4. Download the IWD helm chart from the JFrog repository. See Download the Helm charts.

5. Email requires the Digital Channels API key. The key must be provisioned and shared via Digital Channels.

Deploy

1. Extract parameters from chart to see multiple (default) values used to fine tune the installation.

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   $ helm show values iwdem-.tgz > values.yaml
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   For information on parameters and values in the **values.yaml** file, see Override Helm chart values. Sample override file:

   ```
   replicaCount: 1

   image:
     registry: pureengage-docker-staging.jfrog.io
     repository: nexus/iwd-email
   ```

```
    pullSecrets:
      - name: pullsecret

  gauth:
    auth:
      url: http://gauth-auth.${GAUTH_NAMESPACE}:80

  redis:
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2. Install Email using the following command (replace with applicable values):

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    --set redis.password= \
    --set nexus.apikey= \
    --namespace=iwdem
```

Azure Kubernetes Service (AKS)

Prepare

1. Log in to the AKS cluster.

```
az aks get-credentials --resource-group  --name  --admin
```

2. Create a new project:

   1. Create a *create-iwdem-namespace.json* :

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

```
    }
```

2. Create a namespace using the above JSON:

```
kubectl apply -f create-iwdem-namespace.json
```

3. Confirm the namespace creation:

```
kubectl describe namespace iwdem
```

3. Create a pull secret for accessing the JFrog registry.

```
kubectl create secret docker-registry pullsecret \
--docker-server=pureengageuse1-docker-multicloud.jfrog.io \
--docker-username= \
--docker-password= \
--docker-email=
```

4. Download the IWD helm chart from the JFrog repository. See Download the Helm charts.

5. Email requires the Digital Channels API key. The key must be provisioned and shared via Digital Channels.

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  auth:
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```
    # URL to Runbook
    # runbookUrl:
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2. Install Email using the following command (replace with applicable values):

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helm install iwdem ./iwdem-.tgz -f override_values.yaml \
    --set redis.password= \
    --set nexus.apikey= \
    --namespace=iwdem
```

Validate the deployment

Watch the helm output at the end of installation. Pods must be in a *Running* state and they must pass all *READY* checks.

See the following sample output:

```
Release "iwdem" has been upgraded. Happy Helming!
NAME: iwdem
LAST DEPLOYED: Tue Jul 13 10:18:07 2021
NAMESPACE: iwd
STATUS: deployed
REVISION: 1
TEST SUITE: None
NOTES:
Please be patient while iwd 100.0.0741322 is being deployed
```