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# Workspace Web Edition Private Edition Guide

[Deploy Workspace Web Edition](#)

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Learn how to deploy Workspace Web Edition (WWE) 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.

### Important

Make sure to review [Before you begin](#) for the full list of prerequisites required to deploy Workspace Web Edition.

## Deploying in GKE

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## Prerequisites for GKE

Secret configuration for pulling image

### Connect to the cluster using Cloud SDK

Use the following command to connect to the cluster from the deployment host:

```
gcloud container clusters get-credentials --zone --project
```

### Create the secret for accessing the jfrog registry

Use the following command to create the secret:

```
kubectl create secret docker-registry mycred  
--docker-  
--docker-username=  
--docker-password=  
--docker-email= -n wwe
```

## Environment Preparation for GKE

Download the Helm charts

1. Download the WWE Helm charts from following repository: <https://pureengageuse1.jfrog.io/ui/login/>
2. Create the **override\_values.yaml** with appropriate overrides from the following sample file for a sample deployment:

```
context:  
  envs:  
    optimizedConfig: false  
    gwsUrl: 'https://'
```

3. Enable and set Ingress with the appropriate hostname.
4. Set the value for **gwsUrl** applying the external gws url.

## WWE installation on GKE

Log in to GKE cluster

Use the following command to connect to the GKE cluster using Cloud SDK from the deployment host:

```
gcloud container clusters get-credentials --zone --project
```

Create Namespace for WWE

Use the following command to create a new namespace for WWE:

```
kubectl create namespace wwe
```

---

## Render the templates

To verify whether resources are getting created without issue, execute the following command to render templates without installing:

```
helm template --debug wwe ./wwe-nginx-9.0.5.tgz -f override_values.yaml -n wwe
```

Review the displayed Kubernetes descriptors. The values are generated from Helm templates and are based on settings from the **values.yaml** and **values-test.yaml** files. Ensure that no errors are displayed. Later, you will apply this configuration to your Kubernetes cluster.

## Deploy WWE

Use the following command to deploy WWE:

```
helm install wwe ./wwe-nginx-9.0.5.tgz -f override_values.yaml -n wwe
```

This process takes several minutes. Wait until all objects are created and allocated, and the Kubernetes descriptors applied to the environment appear.

## Verify the installation

Use the following command to check the installed Helm release:

```
helm list --all-namespaces
```

Use the following command to check the WWE objects created by Helm:

```
kubectl get all -n wwe
```

Verify that you can now access WWE at the following URL:

<http://wwe>.

## Provisioning WWE Ingress on GKE

Create or download the `wwe-ingress.yaml` file

Use the following example template to create the **wwe-ingress.yaml** Ingress file for WWE. In this example template, the namespace is set specifically to **wwe**. Adjust the values needed for your deployment.

```
apiVersion: extensions/v1beta1
kind: Ingress
metadata:
  name: wwe-ingress
  namespace: wwe
  annotations:
    # add an annotation indicating the issuer to use.
    cert-manager.io/cluster-issuer: "selfsigned-cluster-issuer"
    # Custom annotations for NGINX Ingress Controller
    kubernetes.io/ingress.class: "nginx"
    nginx.ingress.kubernetes.io/ssl-redirect: "false"
    nginx.ingress.kubernetes.io/use-regexp: "true"
spec:
```

---

```
rules:
- host: wwe.test.dev
  http:
    paths:
      - path: /*
        backend:
          serviceName: wwe-wwe-nginx
          servicePort: 80
tls:
- hosts:
  - wwe.test.dev
  secretName: wwe-ingress-cert
```

Apply the yaml file to your namespace

Use the following command to apply the yaml file to your namespace:

```
kubectl apply -f wwe-ingress.yaml -n wwe
```

## Deploy in AKS

### Prerequisites

#### Secret configuration for pulling image

Use the following commands to create the Secret for accessing the jfrog registry and map the secret to the default account:

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

#### Install the azure-cli based in you OS environment

Follow the instructions found in the following website to install the Azure CLI:

<https://docs.microsoft.com/en-us/cli/azure/install-azure-cli?view=azure-cli-latest>

#### Login to AKS cluster

```
$ az login
```

#### Connect to cluster

Use the following command to log in to the cluster from the deployment host:

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

---

## Environment preparation

### Create Namespace for WWE

Use the following command to create a new namespace for WWE:

```
$ kubectl create namespace wwe
```

### Download the Helm charts

Download the WWE Helm charts from following repository: <https://pureengageuse1.jfrog.io/ui/login/>

### Create the override file

Create the **override\_values.yaml** file using the appropriate overrides based on the following sample:

```
context:
  envs:
    optimizedConfig: false
    gwsUrl: 'https://'
```

**Note:** Enable **ingress** and set it with an appropriate hostname. The value for **gwsUrl** must be set with the external gws url.

## WWE Installation

### Render the templates

To verify whether resources are getting created without issue, execute the following command to render templates without installing:

```
$ helm template --debug wwe ./wwe-nginx-9.0.5.tgz -f override_values.yaml -n wwe
```

Review the displayed Kubernetes descriptors. The values are generated from Helm templates and are based on settings from the **values.yaml** and **values-test.yaml** files. Ensure that no errors are displayed. Later, you will apply this configuration to your Kubernetes cluster.

### Deploy WWE

Use the following command to deploy WWE:

```
$ helm install wwe ./wwe-nginx-9.0.5.tgz -f override_values.yaml -n wwe
```

This process takes several minutes. Wait until all objects are created and allocated, and the Kubernetes descriptors applied to the environment appear.

### Verify the installation

Use the following command to check the installed Helm release:

```
$ helm list --all-namespaces
```

---

Use the following command to check the WWE objects created by Helm:

```
$ kubectl get all -n wwe
```

Execute the following helm status command:

```
$ kubectl status wwe -n wwe
```

```
LAST DEPLOYED: Mon Jun 20 10:21:25 2022
```

```
NAMESPACE: wwe
```

```
STATUS: deployed
```

```
REVISION: 2
```

```
TEST SUITE: None
```

Verify that you can now access wwe at the following URL:

<http://wwe>.