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# Genesys Web Services and Applications Private Edition Guide

Deploy GWS Ingress

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Learn how to deploy GWS Ingress 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.

### Warning

If you are deploying Genesys Web Services and Applications in a single namespace with other private edition services, then you do not need to deploy GWS ingress.

## Prerequisites

Before you deploy GWS ingress, you must first [Deploy GWS Services and Configure GWS Ingress](#).

## Deploy

To deploy GWS ingress, you need the GWS ingress Helm package and override file. Copy **values.yaml** and the Helm package (**gws-ingress.tgz**) to the installation location. Run the following command to deploy GWS ingress:

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```
helm upgrade --install gws-ingress /gws-ingress --version= -n gws -f ./override.gws-ingress.values.yaml -f ./versions.yaml
```

## Validate the deployment

First, check that the pod is running:

```
kubectl get pod
```

The result should show that gws-service-proxy is running. For example:

```
gws-service-proxy-d5997957f-m4kcg 1/1 Running 0 4d13h
```

### Check the service:

```
kubectl get svc
```

The result should display the service name, gws-service-proxy. For example:

```
gws-service-proxy ClusterIP 10.202.55.20 80/TCP,81/TCP,85/TCP,86/TCP 4d13h
```

Check the **gws-ingress** status:

```
helm status gws-ingress -n gws
```

The result should show the namespace details with a status of deployed:

```
NAME: gws-ingress
LAST DEPLOYED: Fri Sep 17 11:54:31 2021
NAMESPACE: gws
STATUS: deployed
REVISION: 1
TEST SUITE: None
```

Check the installed Helm release:

```
helm list -n gws
```

The result should show the **gws-services** and **gws-ingress** deployment details. For example:

NAME CHART	NAMESPACE APP	REVISION VERSION	UPDATED	STATUS
gws-ingress gws-ingress-0.2.7	gws 1.0	1	2021-09-17 11:54:31.339091 -0300 ADT	deployed
gws-services gws-services-1.0.55	gws 1.0	1	2021-09-17 11:43:50.0692273 -0300 ADT	deployed

Check the GWS Kubernetes objects created by Helm:

```
kubectl get all -n gws
```

The result should show all the created pods, services, ConfigMaps, and so on.

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## Next steps

- Provision Genesys Web Services and Applications