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# Genesys Web Services and Applications Private Edition Guide

Upgrade, roll back, or uninstall

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Learn how to upgrade, roll back, or uninstall GWS.

**Related documentation:**

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**RSS:**

- [For private edition](#)

**Important**

The instructions on this page assume you have deployed the services in service-specific 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.

## Supported upgrade strategies

Genesys Web Services and Applications supports the following upgrade strategies:

Service	Upgrade Strategy	Notes
	<ul style="list-style-type: none"><li>• Rolling Update</li></ul>	
	<ul style="list-style-type: none"><li>• Rolling Update</li></ul>	

The upgrade or rollback process to follow depends on how you deployed the service initially. Based on the deployment strategy adopted during initial deployment, refer to the corresponding upgrade or rollback section on this page for related instructions.

For a conceptual overview of the upgrade strategies, refer to Upgrade strategies in the Setting up Genesys Multicloud CX Private Edition guide.

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## Timing

A regular upgrade schedule is necessary to fit within the Genesys policy of supporting N-2 releases, but a particular release might warrant an earlier upgrade (for example, because of a critical security fix).

If the service you are upgrading requires a later version of any third-party services, upgrade the third-party service(s) before you upgrade the private edition service. For the latest supported versions of third-party services, see the Software requirements page in the suite-level guide.

## Scheduling considerations

Genesys recommends that you upgrade the services methodically and sequentially: Complete the upgrade for one service and verify that it upgraded successfully before proceeding to upgrade the next service. If necessary, roll back the upgrade and verify successful rollback.

## Monitoring

Monitor the upgrade process using standard Kubernetes and Helm metrics, as well as service-specific metrics that can identify failure or successful completion of the upgrade (see Observability in Genesys Web Services and Applications).

Genesys recommends that you create custom alerts for key indicators of failure — for example, an alert that a pod is in pending state for longer than a timeout suitable for your environment. Consider including an alert for the absence of metrics, which is a situation that can occur if the Docker image is not available. Note that Genesys does not provide support for custom alerts that you create in your environment.

## Preparatory steps

Ensure that your processes have been set up to enable easy rollback in case an upgrade leads to compatibility or other issues.

Each time you upgrade a service:

1. Review the release note to identify changes.
2. Ensure that the new package is available for you to deploy in your environment.
3. Ensure that your existing **-values.yaml** file is available and update it if required to implement changes.

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## Rolling Update

### Rolling Update: Upgrade

Execute the following command to upgrade :

```
helm upgrade --install -f -values.yaml -n
```

**Tip:** If your review of Helm chart changes (see Preparatory Step 3) identifies that the only update you need to make to your existing **-values.yaml** file is to update the image version, you can pass the image tag as an argument by using the **--set** flag in the command:

```
helm upgrade --install -f -values.yaml --set .image.tag=
```

#### GWS example:

```
helm upgrade -f values.yaml -f versions.yaml gws-services ./gws-services
```

#### GWS Ingress example:

```
helm upgrade -f values.yaml -f versions.yaml gws-ingress ./gws-ingress
```

### Rolling Update: Verify the upgrade

Follow usual Kubernetes best practices to verify that the new service version is deployed. See the information about initial deployment for additional functional validation that the service has upgraded successfully.

### Rolling Update: Rollback

Execute the following command to roll back the upgrade to the previous version:

```
helm rollback
```

or, to roll back to an even earlier version:

```
helm rollback
```

Alternatively, you can re-install the previous package:

1. Revert the image version in the **.image.tag** parameter in the **-values.yaml** file. If applicable, also revert any configuration changes you implemented for the new release.
2. Execute the following command to roll back the upgrade:

```
helm upgrade --install -f -values.yaml
```

**Tip:** You can also directly pass the image tag as an argument by using the **--set** flag in the command:

```
helm upgrade --install -f -values.yaml --set .image.tag=
```

#### GWS Services examples

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An example using `helm rollback`:

```
helm rollback gws-services
```

An example using `helm upgrade`:

```
helm upgrade -f previous-values.yaml -f previous-versions.yaml gws-services ./gws-services
```

### **GWS Ingress examples**

An example using `helm rollback`:

```
helm rollback gws-ingress
```

An example using `helm upgrade`:

```
helm upgrade -f previous-values.yaml -f previous-versions.yaml gws-ingress ./gws-ingress
```

### **Rolling Update: Verify the rollback**

Verify the rollback in the same way that you verified the upgrade (see [Rolling Update: Verify the upgrade](#)).

## **Uninstall**

### **Warning**

Uninstalling a service removes all Kubernetes resources associated with that service. Genesys recommends that you contact Genesys Customer Care before uninstalling any private edition services, particularly in a production environment, to ensure that you understand the implications and to prevent unintended consequences arising from, say, unrecognized dependencies or purged data.

Execute the following command to uninstall :

```
helm uninstall -n
```

### **GWS example**

```
helm uninstall gws-services
```

### **GWS Ingress example**

```
helm uninstall gws-ingress
```