



Swimlane (10x) Upgrade Guides

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1. Pre-Upgrade Health Check

Node Status

- Check that all Nodes are in Ready state

```
kubectl get nodes -owide
```

- If any nodes are in NotReady, SchedulingDisabled, etc then it would be recommended to review and fix them before upgrading.

Pod Status

- Check that all pods are in Running state and the pod values are matching 1/1, 3/3, etc.

```
kubectl get pods -A
```

- If any pods are not running i.e, 0/1, 2/3, CrashLoopBackoff, Error, etc then it would be advised to review the issue and fix it prior to upgrading

Cluster Status

- Check that Kubernetes is up and running and healthy.

```
kubectl cluster-info
```

- If Kubernetes indicates that it is not healthy then review and establish where the issue is prior to upgrading.

etcd health

- etcd needs to be in a stable state prior to upgrading any issues

```
for pod in $(kubectl get pods -l component=etcd -n kube-system \
-o jsonpath='{.items[*].metadata.name}')
do
  echo "### etcd pod : ${pod} ###"
  kubectl -n kube-system exec ${pod} -- /bin/sh \
  -c "ETCDCTL_API=3 etcdctl \
  --cert=/etc/kubernetes/pki/etcd/server.crt \
  --key=/etc/kubernetes/pki/etcd/server.key \
  --cacert=/etc/kubernetes/pki/etcd/ca.crt \
```

11. Swimlane 10.20.2 Upgrade Instructions

Use these upgrade instructions to upgrade your instance of Swimlane 10.x. The instructions are divided into subsections within this document, guiding you through the upgrade process based on your specific installation type, whether it is an embedded installation or an existing cluster.

Upgrade Swimlane on Embedded Cluster Installations

Use the following instructions to upgrade this version of Swimlane on an embedded cluster installation.

Prerequisites:

- Swimlane version 10.19 or later

If you are not on a version that is ≥ 10.19 , contact your Swimlane support representative.

- MongoDB 7.0.17

Important! Swimlane recommends that you perform a MongoDB backup before starting this update. For more information, see [Backup and Restore on an Embedded Cluster with Snapshots](#).

If Swimlane uses an external MongoDB, scale down the cluster by setting the replicas for deployments and stateful sets (STS) to 0.

Then upgrade your external MongoDB servers to version 7.0.17 and then follow the upgrade instructions.

During the startup of the external MongoDB process, use the following commands:

```
--tlsAllowConnectionsWithoutCertificates --tlsAllowInvalidCertificates
```

```
kubectl scale deploy <deployment name> -n <name space> --replicas=0  
kubectl scale sts <sts name> -n <name space> --replicas=0
```

Upgrade Instructions:

1. SSH into any node in your deployment and execute the following command to begin the

21. Swimlane 10.16.3 Upgrade Instructions

Use these upgrade instructions to upgrade your instance of Swimlane 10.x. The instructions are organized by subsections of this document that will help you upgrade by specific installation type, whether you have an embedded, or existing cluster installation.

Upgrade Swimlane on Embedded Cluster Installations

Use the following instructions to upgrade this version of Swimlane on an embedded cluster installation.

Prerequisites:

- Swimlane version 10.14+

If you are not on a version that is ≥ 10.13 , contact your Swimlane support representative.

- MongoDB 5.0.24

Important! Swimlane recommends that you perform a MongoDB backup before starting this update. For more information, see [Backup and Restore on an Embedded Cluster with Snapshots](#).

Upgrade Instructions:

1. SSH into any node in your deployment and execute the following command to begin the Swimlane Platform Installer component upgrade:

```
$ curl -sSL https://curl.sh/swimlane-platform-stable-10-16-3 | sudo bash -s ha
```

NOTE: If you have configured SELinux, add this to the end of the command above:

```
installer-spec-files=se.yaml
```

2. For a multi-node (HA) cluster, the script prompts you to drain node one (1) and apply the upgrade. Once the upgrade on node one (1) is complete, the process continues running. It then asks for confirmation to drain node two (2) as well as a command to run in that node.

31. Swimlane 10.13.2 Upgrade Instructions

Use these upgrade instructions to upgrade your instance of Swimlane 10.x. The instructions are organized by subsections of this document that will help you upgrade by specific installation type, whether you have an embedded, or existing cluster installation.

Upgrade Swimlane on Embedded Cluster Installations

Use the following instructions to upgrade this version of Swimlane on an embedded cluster installation.

Prerequisites:

- Swimlane version 10.12+

If you are not on a version that is ≥ 10.12 , contact your Swimlane support representative.

Upgrades from 10.13.0+ can skip to step 5.

- MongoDB 5.0.14

Important! Swimlane recommends that you perform a MongoDB backup prior to starting this update. For more information, see [Backup and Restore on an Embedded Cluster with Snapshots](#).

Upgrade Instructions:

1. SSH into the any node in your deployment and execute the following command to begin the Swimlane Platform Installer component upgrade:

```
$ curl -sSL https://curl.sh/swimlane-platform-stable-10-13-2 | sudo bash -s  
ha
```

NOTE: If you have configured SELinux, add this to the end of the command above:
installer-spec-file=se.yaml

2. For a multi-node (HA) cluster, the script prompts you to drain node one (1) and apply the upgrade. Once the upgrade on node one (1) is complete, the process continues running. It then asks for confirmation to drain node two (2) as well as a command to run in that node. See this example:

41. Download and Push New Velero Images

Use these commands to download and push new Velero images.

```
$ docker pull velero/velero:v1.10.2
```

```
$ docker tag velero/velero:v1.10.2 <my-registry>/<my-namespace>/velero/velero:v1.10.2
```

```
$ docker push <my-registry>/<my-namespace>/velero/velero:v1.10.2
```

```
$ docker pull velero/velero-restic-restore-helper:v1.10.2
```

```
$ docker tag velero/velero-restic-restore-helper:v1.10.2 <my-registry>/<my-namespace>/velero/velero-restic-restore-helper:v1.10.2
```

```
$ docker push <my-registry>/<my-namespace>/velero/velero-restic-restore-helper:v1.10.2
```

```
$ docker pull velero/velero-plugin-for-aws:v1.5.0
```

```
$ docker tag velero/velero-plugin-for-aws:v1.5.0 <my-registry>/<my-namespace>/velero/velero-plugin-for-aws:v1.5.0
```

```
$ docker push <my-registry>/<my-namespace>/velero/velero-plugin-for-aws:v1.5.0
```

```
$ docker pull velero/velero-plugin-for-gcp:v1.5.0
```

```
$ docker tag velero/velero-plugin-for-gcp:v1.5.0 <my-registry>/<my-namespace>/velero/velero-plugin-for-gcp:v1.5.0
```

```
$ docker push <my-registry>/<my-namespace>/velero/velero-plugin-for-gcp:v1.5.0
```

```
$ docker pull velero/velero-plugin-for-microsoft-azure:v1.5.0
```

```
$ docker tag velero/velero-plugin-for-microsoft-azure:v1.5.0 <my-registry>/<my-namespace>/velero/velero-plugin-for-microsoft-azure:v1.5.0
```

```
$ docker push <my-registry>/<my-namespace>/velero/velero-plugin-for-microsoft-azure:v1.5.0
```