



## INSTALLATION AND CONFIGURATION

## Installation and Configuration

### kubeadm - upgrade

If you build your cluster with **kubeadm**, you also have the option to upgrade the cluster using the **kubeadm upgrade** command. While most choose to remain with a version for as long as possible, and will often skip several releases, this does offer a useful path to regular upgrades for security reasons.

- **plan**  
This will check the installed version against the newest found in the repository, and verify if the cluster can be upgraded.
- **apply**  
Upgrades the first control plane node of the cluster to the specified version.
- **diff**  
Similar to an **apply --dry-run**, this command will show the differences applied during an upgrade.
- **node**  
This allows for updating the local kubelet configuration on worker nodes, or the control planes of other cp nodes if there is more than one. Also, it will access a **phase** command to step through the upgrade process.

General upgrade process:

- Update the software
- Check the software version
- Drain the control plane
- View the planned upgrade
- Apply the upgrade
- Uncordon the control plane to allow pods to be scheduled.

Detailed steps can be found in the Kubernetes documentation: [Upgrading kubeadm clusters](#).

