

# Lightweight Kubernetes

The certified Kubernetes  
distribution built for IoT & Edge  
computing

This won't take  
long...

```
curl -sL https://  
get.k3s.io | sh -  
# Check for Ready  
node, takes ~30  
seconds  
sudo k3s kubect1  
get node
```

For detailed  
installation, [refer  
to the docs](#)

Great For

Edge

IoT

CI

ARM

# Why Use K3s

## Perfect for Edge

K3s is a highly available, certified Kubernetes distribution designed for production workloads in unattended, resource-constrained, remote locations or inside IoT appliances.

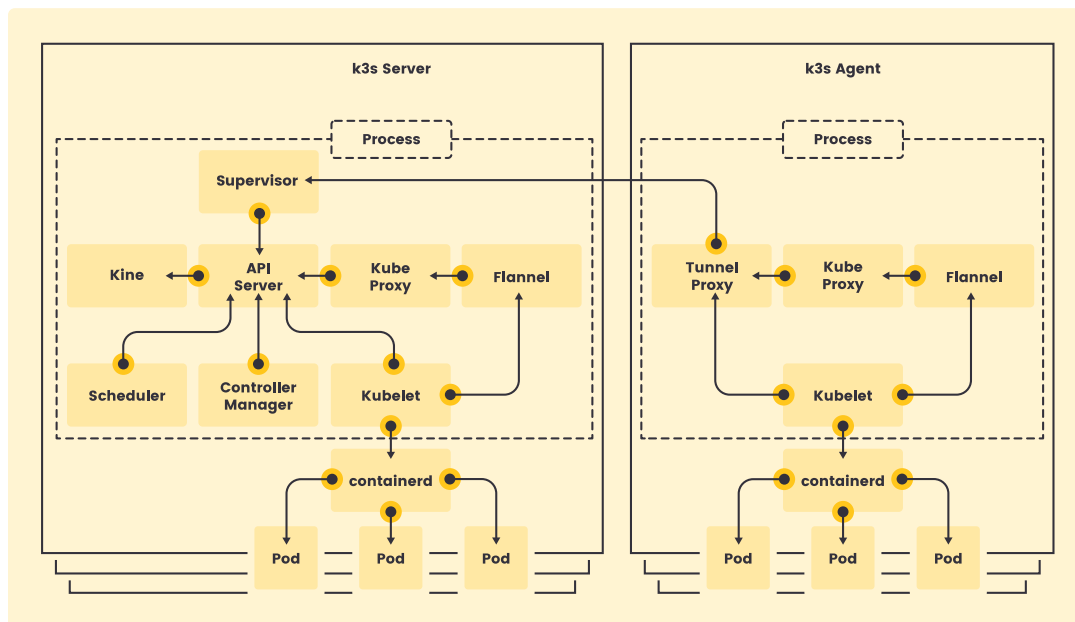
## Simplified & Secure

K3s is packaged as a single <70MB binary that reduces the dependencies and steps needed to install, run and auto-update a production Kubernetes cluster.

## Optimized for ARM

Both ARM64 and ARMv7 are supported with binaries and multiarch images available for both. K3s works great on something as small as a Raspberry Pi to an AWS a1.4xlarge 32GiB server.

# How it Works



The above figure shows the difference between K3s server and K3s agent nodes. For more information, see the [architecture documentation](#).

## Get Started

1. Download K3s - [latest release](#):

x86\_64, ARMv7, and ARM64 are supported

2. Run server

```
sudo k3s server &  
# Kubeconfig is written to /etc/  
rancher/k3s/k3s.yaml  
sudo k3s kubectl get node  
  
# On a different node run the  
below command.  
# NODE_TOKEN comes from /var/lib/  
rancher/k3s/server/node-token on  
your server  
sudo k3s agent --server https://  
myserver:6443 --token  
${NODE_TOKEN}
```

Originally developed by



K3s is a CNCF Sandbox  
Project

