

# k3s Basics

k3s Installation

# Agenda

1. System Requirements
2. Script Installation
3. Manual Installation

# System Requirements

Architecture	Operating Systems	Hardware	Networking
<ul style="list-style-type: none"><li>• x86_64</li><li>• armhf</li><li>• arm64/aarch64</li><li>• s390x</li></ul>	<ul style="list-style-type: none"><li>• SLES</li><li>• openSUSE Leap</li><li>• MicroOS</li><li>• CentOS</li><li>• Oracle Linux</li><li>• RHEL</li><li>• Rocky Linux</li><li>• Ubuntu</li><li>• Etc.</li></ul>	<ul style="list-style-type: none"><li>• Minimum<ul style="list-style-type: none"><li>• CPU<ul style="list-style-type: none"><li>• 1 core</li></ul></li><li>• RAM<ul style="list-style-type: none"><li>• 512 MB</li></ul></li></ul><li>• Recommended<ul style="list-style-type: none"><li>• CPU<ul style="list-style-type: none"><li>• 2 cores</li></ul></li><li>• RAM<ul style="list-style-type: none"><li>• 1 GB</li></ul></li></ul></li></li></ul>	<ul style="list-style-type: none"><li>• Ports<ul style="list-style-type: none"><li>• 6443</li><li>• 2379-2380</li></ul></li></ul>

<https://docs.k3s.io/installation/requirements>

# Script Installation

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```
curl -sfL https://get.k3s.io | sh -
```

Server Node



```
curl -sfL https://get.k3s.io | K3S_URL=https://myserver:6443 K3S_TOKEN=mynodetoken sh -
```

Agent Node

# Manual Installation

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```
sudo mkdir -p /var/lib/rancher/k3s/agent/images/
```

Create Directory

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```
sudo cp ./k3s-airgap-images-ARCH.tar /var/lib/rancher/k3s/agent/images/
```

Copy Files

---

```
INSTALL_K3S_SKIP_DOWNLOAD=true ./install.sh
```

Server Node

---

```
INSTALL_K3S_SKIP_DOWNLOAD=true K3S_URL=https://<SERVER_IP>:6443 K3S_TOKEN=<YOUR_TOKEN> ./install.sh
```

Agent Node



# Thank you

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