

Step 4 for all Nodes: Install the KumoScale Software

This page explains Step 4 of installing KumoScale for Appliance Mode in a multi-node environment.

•Install and Configure the Node (Control Plane Endpoint/Additional Master/Worker Node)

Step 1. Determine Installation Settings.

Step 2. Configure the boot order.

Step 3. Prepare the Installation Files.

Step 4.Install KumoScale software.

Step 5. Set up the Node for Remote Access.

Step 6 Configure the Node

To start the installation, complete the appropriate steps for your installation environment. Installation will take a few minutes; the exact time depends on your environment. You may observe multiple reboots, and even be prompted for a login before installation has completed. You must wait until you get a confirmation that the installation has completed successfully before logging in as instructed in Step 5.

Network Installation

1. Boot the server.
2. You will be prompted for the values of the installation parameters you identified in *Step 1. Determine Installation Settings*.
3. After providing all the options, a summary page is presented for review.
4. You are prompted to accept the installation parameters or to go back and edit the options (the default).
5. If you select the option to proceed with installation, the CentOS installation screen will appear.

If you have chosen to bypass the menu, the command line parameters you added to the **pxelinux** menu entry of the PXE **grub.cfg** menu will be applied.

Virtual CD Installation

1. Mount/attach the ISO image from the IPMI/iLO/iDRAC of the deployed machine.
2. Boot your platform from VirtualCD.
3. You will be prompted for the values of the installation parameters you identified in *Step 1. Determine Installation Settings*.
4. After providing all the options, a summary page is presented for review.
5. You are prompted to accept the installation parameters or to go back and edit the options (the default).
6. If you select the option to proceed with installation, the CentOS installation screen will appear.

If you have chosen to bypass the menu, press the **e** key to edit the KIOXIA Auto Deploy grub menu item and set the path to the image location. After providing all the options and entering **ctrl-x**, the installation will begin, and the CentOS installation screen will appear.

USB Installation

Warning: Do not connect the bootable USB drive to a production server since it might delete its content without a warning.

Note: The management port will be configured to **kx0** if all the ports were disconnected during the installation

1. Verify the USB drive has been prepared with the files listed in *Step 3*.

2. Connect the USB drive and boot the appliance. A **SYSLINUX** boot menu will appear containing four options:

KumoScale Auto Deployer

KumoScale Static IP (Define Static IP parameters)

KumoScale Auto Deployer – serial console

KumoScale Live (internal usage for debug)

3. Choose **KumoScale Auto Deployer** or, if using serial port redirection, **KumoScale Auto Deployer – serial console**.
4. Enter the options chosen in *Step 1. Determine Installation Settings*.
5. After providing all the options, a summary page is presented for review.
6. You are prompted to accept the installation parameters or to go back and edit the options (the default).
- If you select the option to proceed with installation, the CentOS installation screen will appear.

If you have chosen to bypass the menu, you will need to press **Tab** to provide values for any of the installation parameters.

Verify Installation Success

At the end of a successful installation, nodes that are set up as

- Masters for the KumoScale cluster are set up with the KumoScale Provisioner service, control operators for installation and configuration, and the CSI driver.
- Worker nodes are configured as storage nodes with DHCP unless a static IP has been specified.

Do not proceed until you get the message stating installation success. You should receive a message like

```
KS DEPLOYMENT COMPLETED SUCCESSFULLY

KumoScale Software 3.22-15757 running

name-of-node login:
```

Next: [Step 5. Set up the Node for Remote Access](#)