The Harvester net install ISO is a minimal installation image that contains only the core OS components, allowing the installer to boot and then install the Harvester OS on a disk. After installation is completed, the Harvester OS pulls all required container images from the internet (mostly from Docker Hub).

You can use the net install ISO in the following situations:

- The virtual media implementation on a server is buggy or slow. Community users have reported that ISO redirection is too slow to preload all images onto a system. For more information, see [Issue 2651](#).
- You have a private registry that contains all Harvester images, as well as the knowledge and experience required to configure image mirrors for containerd.

:::caution **You must always use the full ISO to bootstrap a Harvester cluster** (in other words, use the ISO without the `-net-install` suffix). The full ISO contains all required images, and the installer preloads those images during installation. You can easily reach the [Docker Hub rate limit](#) when using a net install ISO to bootstrap the Harvester cluster. :::

Usage

Download the net install ISO from the GitHub [Releases](#) page, and then boot the ISO to install Harvester. Net install ISO file names have the suffix `net-install` (for example, https://releases.rancher.com/harvester/v1.3.0/harvester-v1.3.0-amd64-net-install.iso).

PXE Installation

If you decide to use the net install ISO as the PXE installation source, add the following parameter when booting the kernel:

```
harvester.install.with_net_images=true
```

Please check [PXE Boot Installation](#) for more information.