Available as of v1.2.0

The `rancher-vcluster` addon allows you to run Rancher Manager as a workload on the underlying Harvester cluster and is implemented using [vcluster](#).

The addon runs a nested K3s cluster in the `rancher-vcluster` namespace and deploys Rancher to this cluster.

During the installation, the ingress for Rancher is synced to the Harvester cluster, allowing end users to access Rancher.

Installing rancher-vcluster

The `rancher-vcluster` addon is not packaged with Harvester, but you can find it in the [experimental-addons repo](#).

Assuming you are using the Harvester kubeconfig, you can run the following commands to install the addon:

```
kubectl apply -f https://raw.githubusercontent.com/harvester/experimental-
addons/main/rancher-vcluster/rancher-vcluster.yaml
```

Configuring rancher-vcluster

After installing the addon, you need to configure it from the Harvester UI as follows:

1. Select **Advanced** > **Addons**.
2. Find the `rancher-vcluster` addon and select ⋮ > **Edit Config**.

1. In the **Hostname** field, enter a valid DNS record pointing to the Harvester VIP. This is essential as the vcluster ingress is synced to the parent Harvester cluster. A valid hostname is used to filter ingress traffic to the vcluster workload.
2. In the **Bootstrap Password** field, enter the bootstrap password for the new Rancher deployed on the vcluster.

Once the addon is deployed, Rancher can take a few minutes to become available.

You can then access Rancher via the hostname DNS record that you provided.

See [Rancher Integration](#) for more information.

:::note Disabling rancher-vcluster

The `rancher-vcluster` addon is deployed on a `vcluster` Statefulset that uses a Longhorn PVC.

When `rancher-vcluster` is disabled, the PVC `data-rancher-vcluster-0` will remain in the `rancher-vcluster` namespace.

If you enable the addon again, the PVC is re-used, and Rancher will have the old state available again.

If you want to wipe the data, ensure that the PVC is deleted.

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Troubleshooting

See [Importing of Harvester Clusters into Rancher](#).