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How to install Kimchi on ClearOS

Kimchi is an HTML5 based management tool for the KVM virtualization infrastructure. Permits access via the [Spice protocol](#) or [VNC](#)

Status as of 2017-11-24: The apps is complete. Next step is to ask both ClearOS and Kimchi communities to test extensively.

Your server must support virtualization. You will see a warning if this is not the case.

1. Install a ClearOS system
2. Register the ClearOS system (to configure the CentOS/EPEL repos properly)
3. Run:

```
yum install app-kimchi
```

4. Open up firewall port TCP / 8001 at ClearOS -> Firewall -> Incoming Firewall -> Allowed Incoming Connections (https://example.org:81/app/incoming_firewall)
5. Reboot your server
6. Visit Server -> Virtualization -> Kimchi in the ClearOS admin panel (or directly <https://example:81/app/kimchi>)
7. Make sure Kimchi is running
8. Follow the link to access the Kimchi Admin Console (<https://example.org:8001/>)

The screenshot shows the Kimchi web interface. On the left is a navigation menu with categories: Community, Cloud, Server (with sub-items Virtualization and Kimchi), Network, System, and Reports. The main content area has a header 'Kimchi' and a description: 'Kimchi is an HTML5 based management tool for KVM. It is designed to make it as easy as possible to get started with KVM virtualization.' Below this is a green box for 'Kimchi Admin Console' with a checkmark icon and the text 'Follow the link to access the Kimchi Admin Console.' and a 'Go To Admin Console' button. On the right is a 'Kimchi' status panel with a table:

Vendor	WikiSuite
Version	1.1.7-1
Status	Running
Action	<button>Stop</button>

Below the table are buttons for 'Details', 'Uninstall', and 'Rate App'. The 'Status' and 'Running' text in the table is circled in red.

When you log into the Kimchi/Wok web interface, you might only have the "Wok" and "Host" tabs, but not the "Virtualization" tab ([screenshot](#):). This will be the case if the underlying hardware does not support KVM.

Networking

1. <https://example:8001/#plugins/kimchi/tabs/network>

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2. Add a network

- Network Type: "Bridged: Virtual machines are connected through a network bridge"
- Destination: Use a different network interface than the main one used by ClearOS

Known issues

- [ISO templates don't work](#), so you need to SFTP the ISOs on the server.
 - Create a sub-directory of /var/lib/libvirt
 - Upload ISO there (or wget them to there)
 - Use that path when creating a virtual machine template

Related links

- <https://github.com/WikiSuite/app-kimchi>
- <https://github.com/WikiSuite/wok>
- <https://github.com/WikiSuite/kimchi>
- <https://github.com/WikiSuite/ginger-base> (no longer needed since Kimchi 2.5)
- [Kimchi and KVM development](#)