Intro

XCP-ng is a high performance enterprise level virtualization platform with a rich ecosystem.
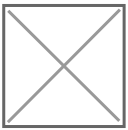
- [About XCP-NG](#)
- [Useful commands in the XCP-ng Command Line Interface (CLI)](#)

About XCP-NG

XCP-ng is a high performance enterprise level virtualization platform with a rich ecosystem.

Originally based on [XenServer (opens new window)](now [Citrix Hypervisor (opens new window)](now Citrix Hypervisor (opens new window))), it's the result of massive cooperation between individuals and companies, to deliver a product without limits. No restrictions on features and every bit available on GitHub!

Visit the main website to learn more: [https://xcp-ng.org(opens new window)](https://xcp-ng.org)

#Overview

TIP

Those videos are made independently by *Lawrence Systems / PC Pickup*, thanks for bringing quality content like this! [YouTube channel(opens new window)](#)

Here is some content explaining XCP-ng in detail:

https://www.youtube.com/embed/hh1QADop_IY

About the project itself, please see the [project page](#).

#XCP-ng comparing to other products

#vs VMware

https://www.youtube.com/embed/wrLue-ENMJc

vs Proxmox

https://www.youtube.com/embed/5IinFgGAsRs

vs Xen vs XenServer vs KVM vs Proxmox

https://www.youtube.com/embed/yulfCYmliX8

TIP

No flamewar! There are no miracle solutions, but only solutions adapted to your usage. We truly respect all other virtualization platforms!

Useful commands in the XCP-ng Command Line Interface (CLI)

XCP-NG Useful Commands

Here are some useful commands in the XCP-ng Command Line Interface (CLI) that can help you manage and interact with your virtualization environment:

1. Listing VMs and Hosts:

- List all VMs:

```
xe vm-list
```

List all hosts:

```
xe host-list
```

2. VM Operations:

- Start a VM:

```
xe vm-start vm=<VM UUID>
```

- Shut down a VM:

```
xe vm-shutdown vm=<VM UUID>
```

- Reboot a VM:

```
xe vm-reboot vm=<VM UUID>
```

- Suspend a VM:

```
xe vm-suspend vm=<VM UUID>
```

- Reset VM Powerstate

```
xe vm-reset-powerstate uuid=******* --force
```

3. Host Operations:

- Reboot the host:

```
xe host-reboot host=<Host UUID>
```

- Shutdown the host:

```
xe host-shutdown host=<Host UUID>
```

- Put the host into maintenance mode:

```
xe host-disable host=<Host UUID>
```

4. Snapshot Management:

- Take a snapshot of a VM:

```
xe vm-snapshot vm=<VM UUID> new-name-label=<Snapshot Name>
```

- Revert a VM to a snapshot:

```
xe vm-revert-to-snapshot snapshot=<Snapshot UUID>
```

- List snapshots of a VM:

```
xe snapshot-list vm=<VM UUID>
```

5. Storage Operations:

- List SRs (Storage Repositories):

```
xe sr-list
```

- Scan for new SRs:

```
xe sr-scan
```

6. Networking:

- List network interfaces on a host:

```
xe pif-list host=<Host UUID>
```

- List VM's VIFs (Virtual Network Interfaces):

```
xe vif-list vm=<VM UUID>
```

7. Resource Pool Operations:

List resource pools:

```
xe pool-list
```

- Create a new resource pool:

```
xe pool-create name-label=<Pool Name>
```

8. Performance Monitoring:

- Display VM performance statistics:

```
xe vm-param-list uuid=<VM UUID> | grep guest-metrics
```

9. Logs and Diagnostics:

- Display host logs:

```
less /var/log/xensource.log
```

- Display VM logs:

```
less /var/log/xensource/vm-logs/<VM UUID>.log
```

These are just a few examples of the commands you can use to manage your XCP-ng environment. Be sure to refer to the official XCP-ng documentation for more details and command options specific to your version and setup. Always exercise caution when using CLI commands, especially in production environments.