

開源虛擬化系統 XenServer

自由軟體推動小組 胡適國 小王彥博

2017.10.06

XenServer

詢問 投票

向演講者提問

 輸入您的提問



還沒有人提出問題。

成為第一個!



sli.do

XenServer

詢問 投票

即時意見調查 0 人

各校虛擬化現況調查

使用 XenServer

使用 PVE

使用 KVM

已購買 VMware vSphere(ESXi)

使用 ESXi 免費版

我用 Hyper-V

無虛擬化經驗

傳送



<https://sli.do/tPXen>

About

- 王彥博 (Alex Wang)
- 胡適國小 系管師
- 台北市自由軟體推動小組



Agenda

- Virtualization
- XenServer
- Demo
- Q&A

看一下統計

虛擬化

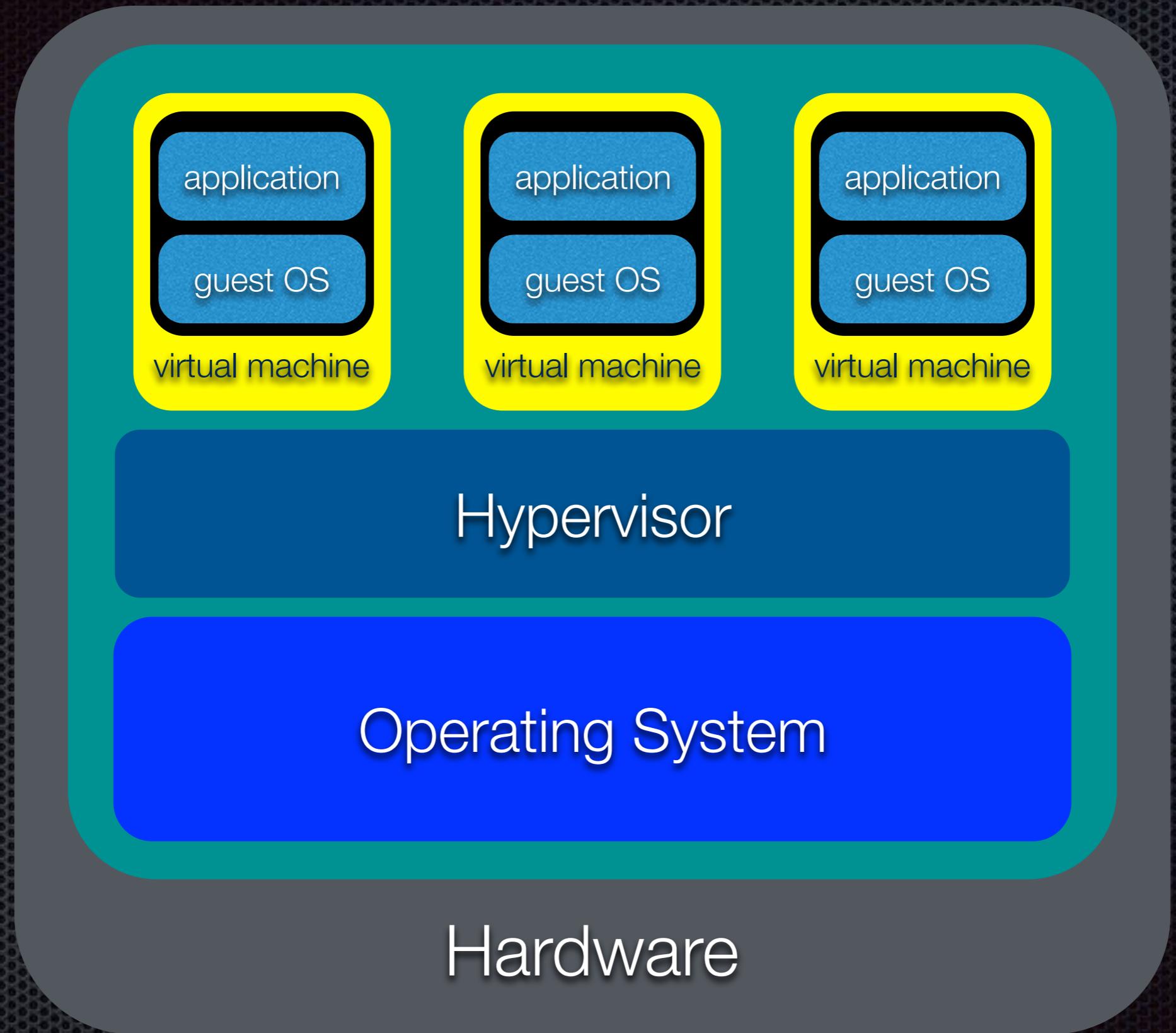
Virtualization

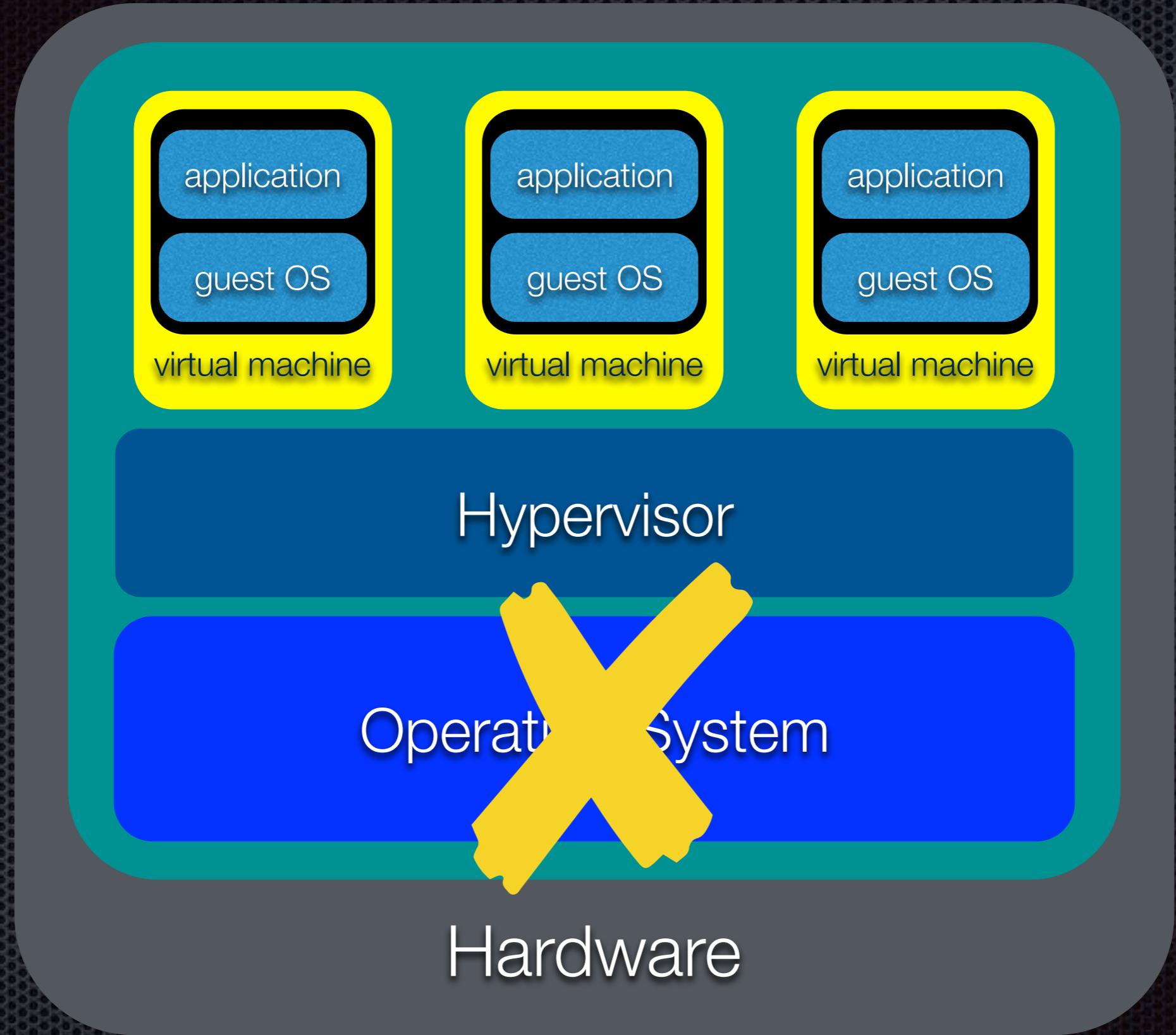
一個打十個

單一機器 多個系統 同時存在 互不干擾

VMware Workstation Parallels / Fusion VirtualBox

常見的桌面版虛擬化軟體

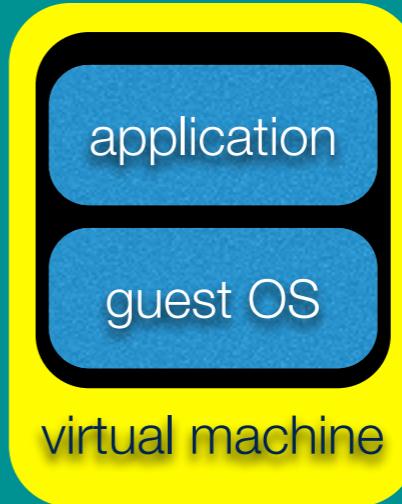
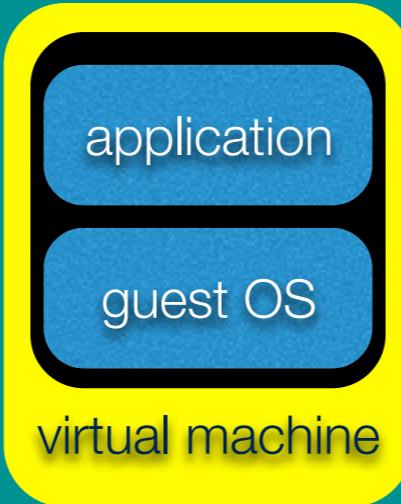




VMware vSphere
Proxmox VE
XenServer
虛擬化作業系統

Hypervisor

Hardware



然後嘞？

阿不就一台當多台用

Storage

運算單元與儲存單元的分離

CPU

RAM

HDD

APP

OS

VM

APP

OS

VM

APP

OS

VM

Server

CPU

RAM

HDD

Server

CPU

RAM

HDD

Storage

APP

OS

VM

APP

OS

VM

APP

OS

VM

$$2 + 1 = 1$$

2 server + 1 storage = 1 pool (cluster)

pool

Server

CPU

RAM

HDD

Server

CPU

RAM

HDD

Storage

APP

OS

VM

APP

OS

VM

APP

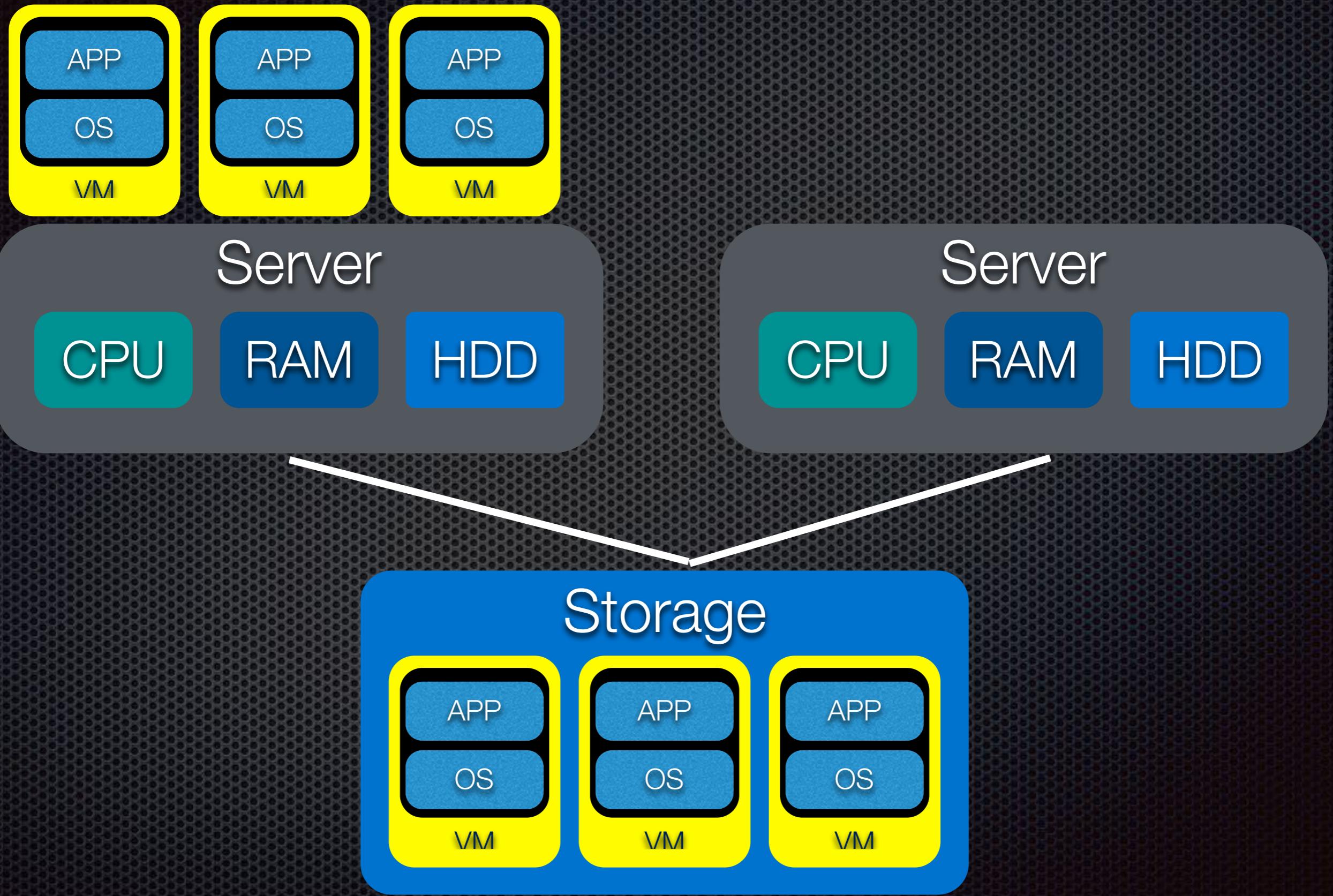
OS

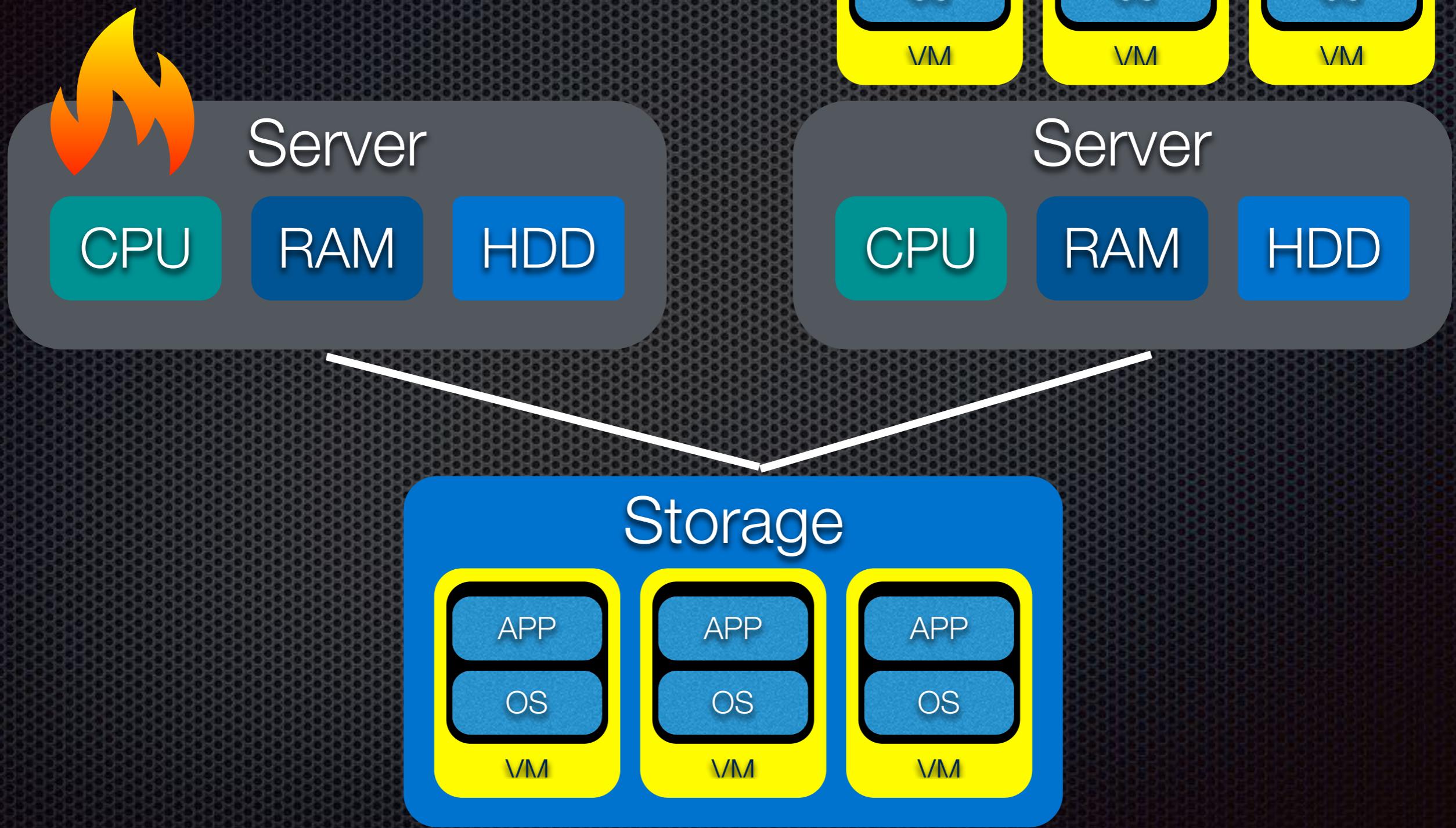
VM

migration

VirtualMachine / Storage

VM migration





Storage migration

Server

CPU

RAM

HDD

Server

CPU

RAM

HDD

Storage

APP

OS

VM

APP

OS

VM

Storage

APP

OS

VM

Server

CPU

RAM

HDD

Server

CPU

RAM

HDD

Storage



Storage

APP

OS

VM

APP

OS

VM

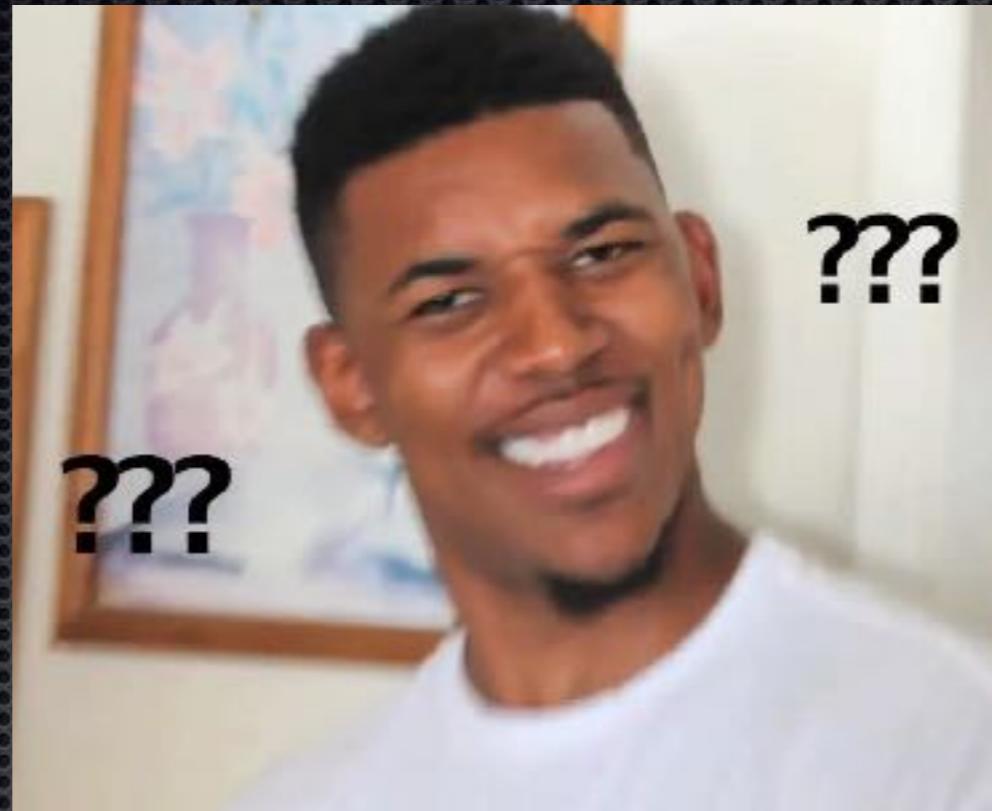
APP

OS

VM

XenServer
/zen s3rvə/





open source
Cirtix XenServer



XenServer 7.2 Licensing FAQ

May 2017

Summary

This article contains frequently asked questions about XenServer 7.2 licensing.

XenServer 7.2 is available in two commercial editions:

- Standard
- Enterprise

XenServer 7.2 is available in two commercial editions:

- Standard
- Enterprise

The **Standard** edition is our entry-level commercial offering, with a range of features that will suit the needs of those customers who want a robust and high performing virtualization platform, but do not require the premium features offered by the Enterprise edition; while still wishing to benefit from the assurance of comprehensive Citrix Support and Maintenance.

The **Enterprise** edition is our premium offering, optimized for desktop, server and cloud workloads. In addition to the Standard edition, the Enterprise edition offers the following features:

- Automated Windows VM Driver Updates
- Automatic updating of the Management Agent
- Support for SMB storage
- Direct Inspect APIs
- Dynamic Workload Balancing
- GPU Virtualization with NVIDIA GRID and Intel GVT-g
- VMware vSphere to XenServer Conversion utilities
- Intel Secure Measured Boot (TXT)
- Export Pool Resource Data
- In-memory Read Caching
- PVS-Accelerator
- Automated Updates using XenCenter
- XenServer Live Patching
- AMD MxGPU (Tech Preview) *
- Enablement for XenDesktop Tablet Mode (Tech Preview) *

cirtix.com

xenserver.org

License information

why not VMware ?

咳咳 以前不懂事買了 聽聽我的經驗吧

VMware 好棒棒

恩恩 他確實好棒棒 but....



快寫專案拿你的退休金買

標準版 \$3w

VMware vSphere 與 vSphere with Operations Management 版本

VMware vSphere 與 vSphere with Operations Management 版本

| 產品名稱 | 授權價格 | 一年技術支援與訂閱 | | |
|--|---------------|-----------|---------------|----------------------|
|  VMware vSphere Standard | US\$ 995.00 | 基礎 | US\$ 273.00 | 立即購買 |
| | | 生產 | US\$ 323.00 | |
|  VMware vSphere Enterprise Plus | US\$ 3,495.00 | 基礎 | US\$ 734.00 | 立即購買 |
| | | 生產 | US\$ 874.00 | |
|  VMware vSphere with Operations Management Enterprise Plus | US\$ 4,395.00 | 基礎 | US\$ 923.00 | 立即購買 |
| | | 生產 | US\$ 1,099.00 | |

3W

感覺不貴啊

6W 搞定！

真是好傻好天真

Server

CPU

RAM

HDD

Server

CPU

RAM

HDD

Storage

APP

OS

VM

APP

OS

VM

Storage

APP

OS

VM

vCenter

啊! 沒有免費喔，那再買就好了

\$18w ???

VMware vCenter Server 版本

VMware vCenter Server 版本

| 產品名稱 | 授權價格 | 一年技術支援與訂閱 | | |
|---|---------------|-----------|---------------|----------------------|
|  VMware vCenter Server Standard | US\$ 5,995.00 | 基礎 | US\$ 1,259.00 | 立即購買 |



你逗我的吧

\$5W 超便宜 快買!

Foundation 版本只能管理 3 ESXi

| | | | | |
|----|--------|--|-----|--------|
| 75 | VMware | VMware vCenter Server Foundation for vSphere up to 3 hosts ;(含原廠一年 5*12電話支援及保固內軟體免費下載升級) | 1-5 | 86,192 |
| 76 | VMware | Academic VMware vCenter Server Foundation for vSphere up to 3 hosts ;(含原廠一年 5*12電話支援及保固內軟體免費下載升級) 校園授權 | 1-5 | 51,471 |

mbs

現在公開可能な情報

陸萬加陸萬加伍萬
汝花拾柒萬台幣矣

WALL MARIA

6

WALL ROSE

6

WALL SINA

5

attack on titan



小可愛,別擔心,救星來了

覺得貴嗎? 老闆超貼心都幫你想好了!

essential plus kit

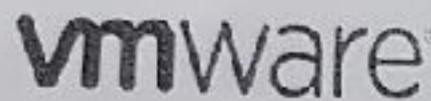
\$13W

| | | | | |
|----|--------|---|-----|---------|
| 71 | VMware | Academic VMware vSphere Essentials Plus Kit for 3 hosts (Max 2 processors per host; (含原廠一年 5*12電話支援及保固內軟體免費下載升級) 校園授權 | 1-5 | 138,781 |
| 72 | Vmware | VMware vSphere Essentials Kit for 3 hosts (Max 2 processors per host) ; 含 1-year Subscription | 1-5 | 29,431 |
| 73 | VMware | Academic VMware vSphere Essentials Kit for 3 hosts (Max 2 processors per host) ; 含 1-year Subscription | 1-5 | 14,212 |

13W

3 ESXi + 1 vCenter

高便宜der～買！



VMware Electronic Distribution

Issued to Taipei Municipal HU Shih Elementary School

VMware Inc.
Level 57, Taipei 101 Tower,
7 Xinyi Road, Section 5,
110 Taipei, Taiwan R.O.C.
Phone : +886 2 8758 2804
Fax : +886 2 8758 2999

| Issue Date | VMware Order # | Customer Reference |
|------------|----------------|--------------------|
| 2015/12/21 | # 23318072 | P515440866 |

| Product P/N | Description | Quantity |
|---------------------|---|----------|
| VS6-ESP-KIT-A | Academic VMware vSphere 6 Essentials Plus Kit for 3 hosts (Max 2 processors per host) | 2 |
| VS6-ESP-KIT-G-SSS-A | Academic Basic Support/Subscription VMware vSphere 6 Essentials Plus Kit for 1 year | 2 |

License Key(s):



\$26w

授權書拿到了

就過著幸福美滿的日子了 ??

Server

CPU

RAM

HDD

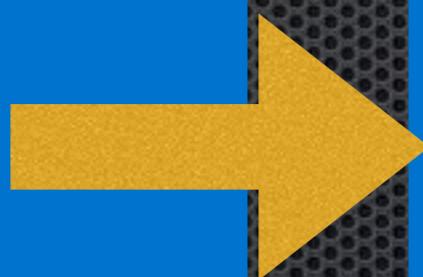
Server

CPU

RAM

HDD

Storage



Storage

APP

OS

VM

APP

OS

VM

APP

OS

VM

vCenter:

我覺得不行

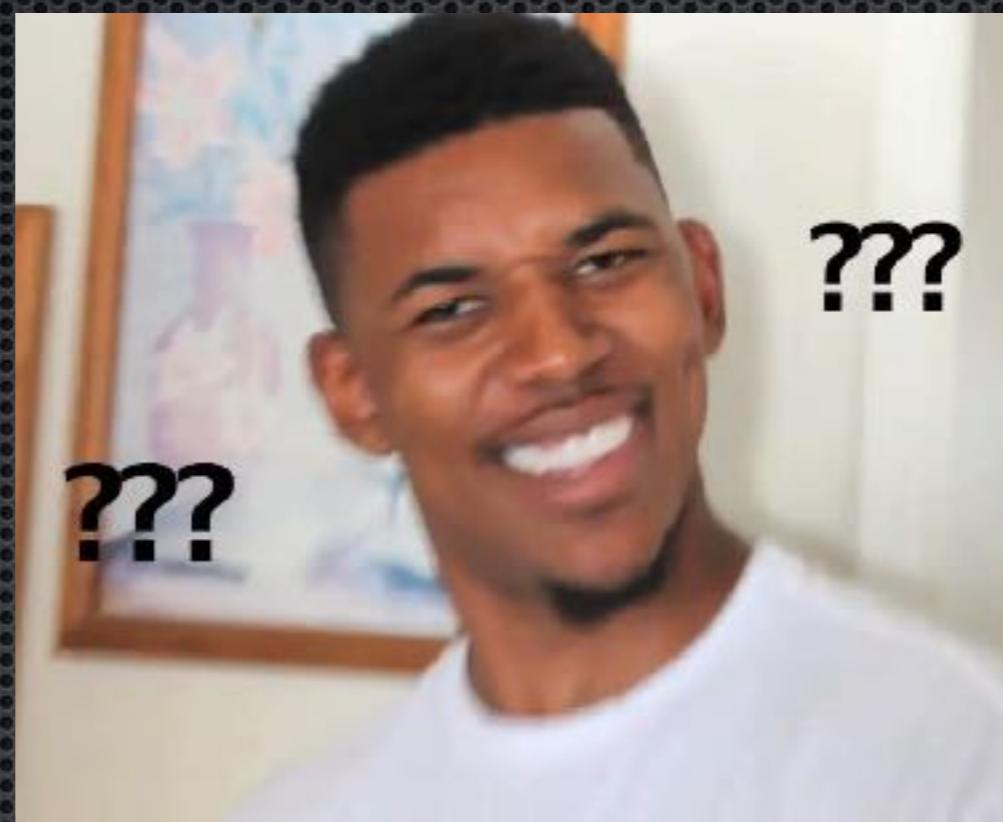


比較



| | Essentials Kit | Essentials Plus Kit |
|-------|---------------------------|---|
| 概觀 | 以集中化管理進行伺服器虛擬化及整合 | 伺服器虛擬化及整合，外加業務續航力 |
| 集中化管理 | vCenter Server Essentials | vCenter Server Essentials |
| 授權權益 | 3 部伺服器，每部最高可支援 2 顆處理器 | 3 部伺服器，每部最高可支援 2 顆處理器 |
| 功能 | ESXi | ESXi、vMotion、High Availability、Data Protection、vShield Endpoint、vSphere Replication |

vSphere Essentials Kit 適用於小型企業而且最多可結合三部實體伺服器的虛擬化作業，並擁有 vCenter Server Essentials 的集中化管理功能。客戶可從 VMware Store 購買一年期的 vSphere Essentials Kit 和 vSphere Essentials Plus Kit 授權。



產品功能

vSphere Standard

vSphere Enterprise Plus

vSphere with Operations Management Enterprise Plus

vMotion

+Cross-vSwitch

+Cross-vSwitch / Cross-vCenter / Long Distance / Cross-Cloud

+Cross-vSwitch / Cross-vCenter / Long Distance / Cross-Cloud

Storage vMotion



Data Protection



Fault Tolerance

2 個 vCPU

4 個 vCPU

4 個 vCPU

vShield Endpoint



vSphere Replication



vCenter High Availability

vCenter STD



vCenter STD



vCenter STD



13W 還是不夠



VMware 很強大

架構很大，\$\$\$

免費版 !!!

咳咳~ 那我們來看看功能差異

| 功能 / 版本 | vSphere Hypervisor | Essentials | Essentials Plus | Standard | Enterprise | Enterprise Plus |
|---|--------------------|------------|----------------------------------|----------|--|-----------------|
| [vCenter Server] | [VMware Go] | | vCenter for Essentials (3 nodes) | | vCenter Standard | |
| [vSphere Storage Appliance] | — | — | VSA for Essentials Plus | | VSA | |
| Physical CPU Entitlement | — | | 3 Servers (2 Processors Each) | | 6 Processors (scalable with additional licenses) | |
| vRAM Entitlement | Limit 32 GB | | Unlimited | | Unlimited | |
| vCPU Entitlement (vSMP) | | | 8-way | 8-way | 32-way | 64-way |
| SUSE Linux Enterprise Server for VMware | — | — | — | Yes | Yes | Yes |
| [Thin Provisioning] | Yes | Yes | Yes | Yes | Yes | Yes |
| [Update Manager] | — | Yes | Yes | Yes | Yes | Yes |
| [vStorage APIs for Data Protection] | — | Yes | Yes | Yes | Yes | Yes |
| [Data Protection] | — | Yes | Yes | Yes | Yes | Yes |
| [High Availability] | — | — | Yes | Yes | Yes | Yes |
| [vMotion] | — | — | Yes | Yes | Yes | Yes |
| [vShield Zones] | — | — | Yes | Yes | Yes | Yes |
| [vShield Endpoint] | — | — | Yes | Yes | Yes | Yes |
| [vSphere Replication] | — | — | Yes | Yes | Yes | Yes |
| [Storage vMotion] | — | — | — | Yes | Yes | Yes |
| [Fault Tolerance] | — | — | — | Yes | Yes | Yes |
| Hot Add | — | — | — | Yes | Yes | Yes |
| Virtual Serial Port Concentrator | — | — | — | — | Yes | Yes |

開源軟體
PVE / XenServer

PVE 很強大

但是難度稍微高了一點點

9/22

Proxmox VE

沒意外 應該還會有入門的研習

PVE 問雙袁

感恩廖大 讚嘆廖大



拜託 無腦一點

我只想躺著等退休

XenServer
/zen s3rvə/

Demo

安裝 / 連線 / 玩耍

下載

<https://xenserver.org/overview-xenserver-open-source-virtualization/download.html>

DOWNLOAD - XENSERVER

SUPPORTED RELEASES

It is important to note that regardless of which edition of XenServer you choose to download, the main ISO is the **same** and the code is open source.

Having a supported platform is vital for mission-critical applications. For those interested in obtaining product support for XenServer from Citrix, the **Standard** edition is just that. For those interested in accessing the premium features that XenServer offers, the **Enterprise** edition is available, for which there is a **90-day trial**. Regardless of which edition of XenServer you choose (i.e., Free, Standard, Enterprise), the source code, binary to download and installation experience are identical.

DOWNLOAD XENSERVER 7.2

XenServer 7.2 was released in May of 2017. It is strongly recommended that all new XenServer installations be performed using XenServer 7.2.

INSTALLATION MEDIA

- [XenServer Installation ISO](#)
- [XenCenter Management GUI](#) (located under **Main Components** section)

Find Downloads

XenServer

or

Search Downloads



Need additional XenServer licenses? Purchase them online today.

Visit the Citrix Store

Support Resources

XenServer 7.2 Standard Edition

Release Date: May 25, 2017

[Jump to Download](#)

[Jump to Download](#)

[XenServer 7.2.0 Base Installation ISO - Standard Edition](#)

[XenCenter 7.2.0 Windows Management Console](#)

[XenCenter 7.2.0 Localization version](#)

[vSwitch Controller Virtual Appliance 7.2.0](#)

[XenServer 7.2.0 Demo Linux Virtual Appliance](#)

[Container Management Supplemental Pack](#)

[SDK \(Software Development Kit\) 7.2.0](#)

[DDK \(Driver Development Kit\) 7.2.0](#)

[Binary Packages](#)

[XenServer 7.2.0 Source ISO \(Xen/Dom0 Kernel\)](#)

[Sources: vSwitch Controller Virtual Appliance 7.2.0](#)

[Sources: Demo Linux Virtual Appliance 7.2.0](#)

[Sources: Container Management Supplemental Pack](#)

XenServer Installation ISO
(燒光碟安裝)

XenCenter Management GUI
(Windows上的管理程式)

不限定 Server
PC 可！



諮詢專用中心

i5 / 16G / SATA
dell PC

硬體需求

| | 最低 | 建議 | 最高 |
|-----|------|-------|-------------|
| CPU | 1.2G | 2.0G+ | 288 core |
| RAM | 2G | 4G+ | 5T |
| HD | 46G | 70G+ | - |
| NIC | 1 | - | 16 |

看這規格上限

也別小看他喔 很多 VPS 也是走 xen 架構



Welcome to XenServer.

- To install or upgrade press the <ENTER> key.

[F1-Standard] [F2-Advanced]
boot: _

Welcome to XenServer – Version 7.2.0
Copyright (c) 2009–2017 Citrix Systems, Inc.



<Tab>/<Alt-Tab> between elements | | <F1> Help screen

Welcome to XenServer - Version 7.2.0
Copyright (c) 2009-2017 Citrix Systems, Inc.

| Welcome to XenServer Setup |

This setup tool can be used to install or upgrade
XenServer on your system or restore your server from
backup. Installing XenServer will erase all data on
the disks selected for use.

Please make sure you have backed up any data you wish
to preserve before proceeding.

To load a device driver press <F9>.

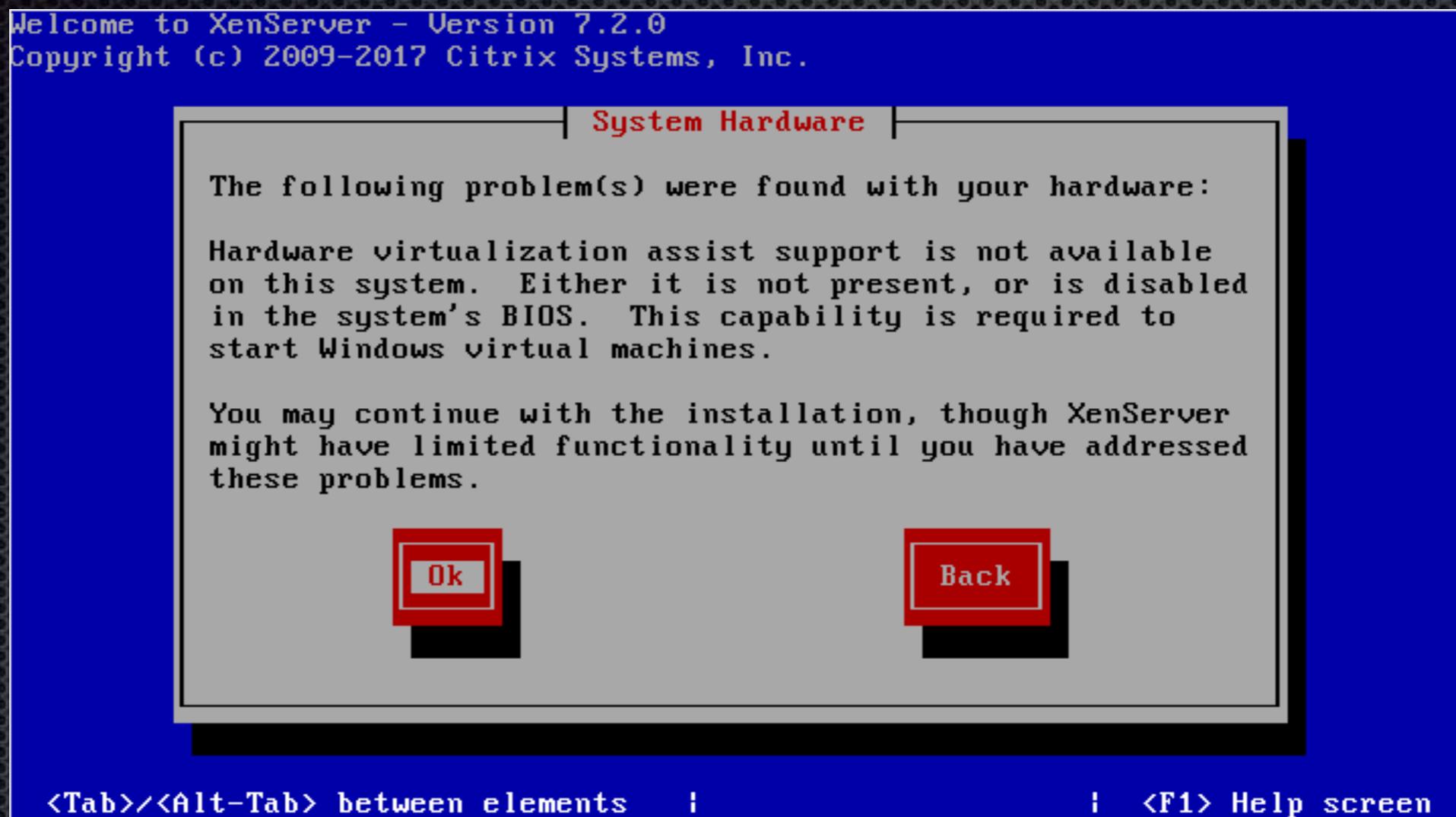
To setup advanced storage classes press <F10>.

Ok

Reboot

<Tab>/<Alt-Tab> between elements : <F9> load driver : <F1> Help screen

BIOS 沒開虛擬化功能



Welcome to XenServer - Version 7.2.0

Copyri

| End User License Agreement |

CITRIX LICENSE AGREEMENT

This is a legal agreement ("AGREEMENT") between the end-user customer ("you"), and the providing Citrix entity (the applicable providing entity is hereinafter referred to as "CITRIX"). Your location of receipt of the Citrix product (hereinafter "PRODUCT") and maintenance (hereinafter "MAINTENANCE") determines the providing entity as identified at <https://www.citrix.com/buy/licensing/citrix-providing-entities.html>. BY INSTALLING AND/OR USING THE PRODUCT, YOU ARE AGREEING TO BE BOUND BY THE TERMS OF THIS AGREEMENT. IF YOU DO NOT AGREE TO THE TERMS OF THIS

Accept EULA

Back

<Tab>/<Alt-Tab> between elements : |

: <F1> Help screen

Welcome to XenServer - Version 7.2.0

Copyri

Virtual Machine Storage

Which disks would you like to use for Virtual Machine storage?

One storage repository will be created that spans the selected disks. You can choose not to prepare any storage if you wish to create an advanced configuration after installation.

[*] **sda - 80 GB [VMware, VMware Virtual S]**

[] Enable thin provisioning (Optimized storage for XenDesktop)

Ok

Back

<Tab>/<Alt-Tab> between elements : <F5> More info : <F1> Help screen

Welcome to XenServer - Version 7.2.0
Copyright (c) 2009-2017 Citrix Systems, Inc.

Select Installation Source

Please select the type of source you would like to use for this installation

Local media
HTTP or FTP
NFS

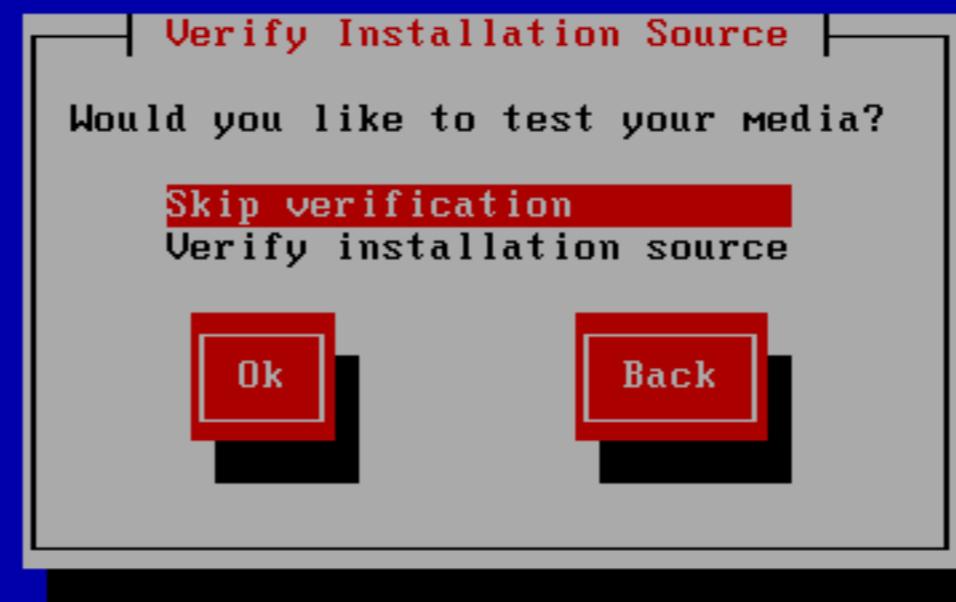
Ok

Back

<Tab>/<Alt-Tab> between elements : :

: <F1> Help screen

Welcome to XenServer - Version 7.2.0
Copyright (c) 2009-2017 Citrix Systems, Inc.



<Tab>/<Alt-Tab> between elements : :

: <F1> Help screen

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Set Password

Please specify a password of at least 6 characters for the root account.

(This is the password used when connecting to the XenServer Host from XenCenter.)

Password ****
Confirm ****

Ok **Back**

<Tab>/<Alt-Tab> between elements |

| <F1> Help screen

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Networking

Please specify how networking should be configured for the management interface on this host.

() Automatic configuration (DHCP)
(*) Static configuration:

| | |
|--------------|---------------|
| IP Address: | 192.168.1.200 |
| Subnet Mask: | 255.255.255.0 |
| Gateway: | 192.168.1.254 |

<Tab>/<Alt-Tab> between elements : :

: <F1> Help screen

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Hostname and DNS Configuration

Hostname Configuration

Hostname:

DNS Configuration

DNS Server 1:

DNS Server 2:

DNS Server 3:

Ok **Back**

<Tab>/<Alt-Tab> between elements : :

: <F1> Help screen

Welcome to XenServer - Version 7.2.0
Copyright (c) 2009-2

| Select Time Zone |

Please select the geographical area
that your XenServer Host is in:

Africa ↑
America
Antarctica
Arctic
Asia
Atlantic
Australia
Etc ↓

Ok

Back

<Tab>/<Alt-Tab> between elements : |

: <F1> Help screen

Welcome to XenServer - Version 7.2.0
Copyright (c) 2009

| Select Time Zone |

Please select the city or area that the
Managed host is in (press a letter to
jump to that place in the list):

Taipei
Tashkent
Tbilisi
Tehran
Thimphu
Tokyo
Ulaanbaatar
Urumqi



Ok

Back

<Tab>/<Alt-Tab> between elements : |

: <F1> Help screen

Welcome to XenServer - Version 7.2.0
Copyright (c) 2009-2017 Citrix Systems, Inc.

| System Time |

How should the local time be determined?

(Note that if you choose to enter it manually,
you will need to respond to a prompt at the end
of the installation.)

Using NTP
Manual time entry

Ok

Back

<Tab>/<Alt-Tab> between elements : :

: <F1> Help screen

Welcome to XenServer – Version 7.2.0
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NTP Configuration

Please specify details of the NTP servers you wish to use (e.g. pool.ntp.org)?

NTP Server 1: `clock.stdtime.gov.tw`
NTP Server 2: _____
NTP Server 3: _____

Ok **Back**

<Tab>/<Alt-Tab> between elements |

| <F1> Help screen

Welcome to XenServer - Version 7.2.0
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<Tab>/<Alt-Tab> between elements : :

: <F1> Help screen

Welcome to XenServer - Version 7.2.0
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<Tab>/<Alt-Tab> between elements : :

: <F1> Help screen



可列印版本

驅動程式與軟體

驅動程式與軟體

說明

Knowledge base options

Search HPE Support Center -
HPE

常見問題

檢視人數最多的解決方案

建議、公告及附註

手冊

疑難排解

設定和安裝

學習並使用

執行維護

升級與移轉

Related links

SGI 產品文件和軟體下載目前正在進行移轉。移轉期間如有任何 SGI 文件與軟體需求，請前往[SGI 入口網站](#)取得。

* RECOMMENDED * 適用於 Citrix XenServer 7.x (x86_64) 的 HPE SNMP 代理程式

下載即表示您同意 [Hewlett Packard Enterprise 軟體授權協議的條款與條件](#)。

附註：某些軟體需要有效的保固、Hewlett Packard Enterprise 現行支援合約，或授權費用。

類型：

軟體 - 管理

版本：

10.4(22 八月 2016)

作業系統：

Citrix XenServer 7.x (x86-64)

檔案名稱：

hp-agents-10.40-3.XS7.0.iso (20 MB)

下載

說明

增強功能

安裝說明

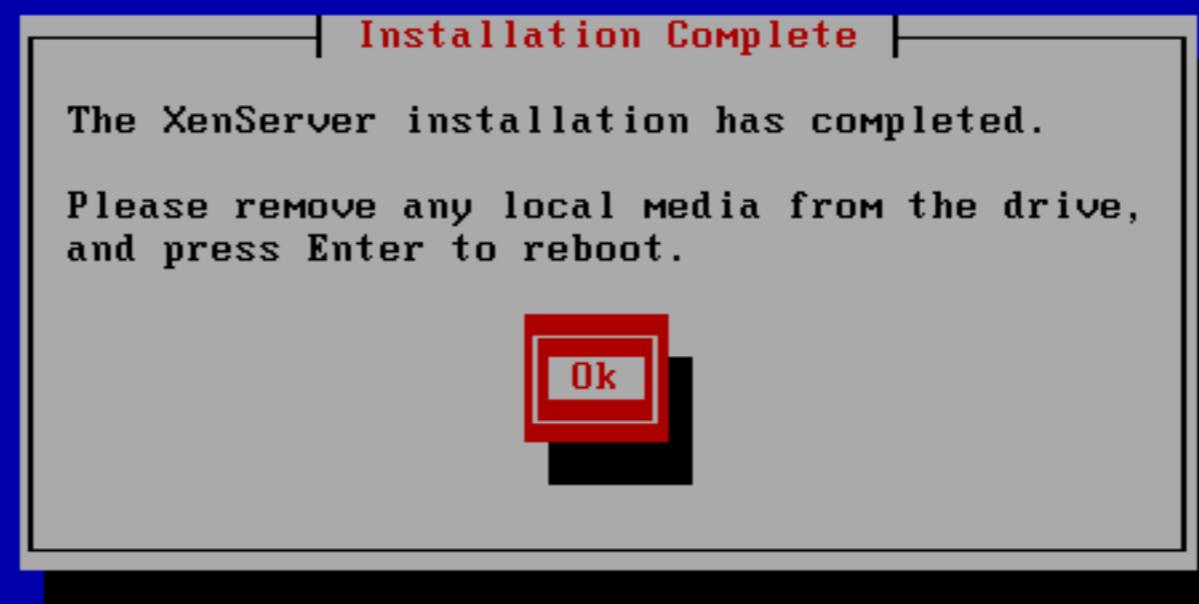
發行通告

重要的

修訂歷程

適用於 Citrix XenServer 的 HPE SNMP 代理程式可在 Citrix XenServer 7.x (x86_64) 上安裝 HP Health (HP 健全狀況)、HP SNMP 代理程式與 HP System Management Home Page (HP 系統管理首頁 (SMH))

Welcome to XenServer – Version 7.2.0
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<Tab>/<Alt-Tab> between elements : |

: <F1> Help screen

XenServer 7.2

06:03:35

xe01

— Configuration —

Customize System

Status Display

Network and Management Interface

Authentication

Virtual Machines

Disk and Storage Repositories

Resource Pool Configuration

Hardware and BIOS Information

Keyboard and Timezone

Remote Service Configuration

Backup, Restore and Update

Technical Support

Reboot or Shutdown

Local Command Shell

VMware, Inc.

VMware Virtual Platform

XenServer 7.2.0

Management Network Parameters

Device eth0

IP address 192.168.1.200

Netmask 255.255.255.0

Gateway 192.168.1.254

Press <Enter> to display the SSL key
fingerprints for this host

<Enter> OK <Up/Down> Select

<Enter> Fingerprints <F5> Refresh

安裝完成

XenCenter

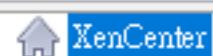
Windows only

[File](#) [View](#) [Pool](#) [Server](#) [VM](#) [Storage](#) [Templates](#) [Tools](#) [Help](#)[Back](#) [Forward](#) | [Add New Server](#) | [New Pool](#) [New Storage](#) [New VM](#) | [Shut Down](#) [Reboot](#) [Suspend](#)

Search...



XenCenter



XenCenter

Home Search

Citrix XenServer

Industry leading open source platform for cloud server and desktop virtualization

- [Learn about using XenCenter](#)
- [Network with other XenServer users](#)
- [Visit the Citrix Knowledge Center](#)

[Add a Server](#)[Purchase Support](#)[Try Desktop Virtualization](#) [Infrastructure](#) [Objects](#) [Organization Views](#) [Saved Searches](#) [Notifications](#)

XenCenter

File View Pool Server VM Storage Templates Tools Help

Back Forward Add New Server | New Pool New Storage New VM | Shut Down Reboot Suspend

Search...

XenCenter

Home Search

Citrix XenServer

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Add New Server

Enter the host name or IP address of the server you want to add and your user login credentials for that server.

Server: 192.168.1.200

User login credentials

Username: root

Password:

Add Cancel

Infrastructure



A screenshot of the Citrix XenCenter management interface. The main window displays the XenCenter logo and navigation links for Home and Search. A central banner promotes Citrix XenServer as an industry-leading open source platform for cloud server and desktop virtualization. A modal dialog box titled 'Add New Server' is open, prompting the user to enter the server's host name or IP address and user login credentials. The 'Server' field contains '192.168.1.200', and the 'Username' field contains 'root'. The 'Password' field is empty and highlighted with a blue border. At the bottom of the dialog are 'Add' and 'Cancel' buttons. The background features a dark theme with light-colored icons representing infrastructure components like servers, storage, and clouds. A green circle highlights the 'Add' button on the 'Add New Server' dialog, and a green arrow points towards the cloud icon on the right side of the screen.

Health Check Overview

[?](#)[X](#)

Health Check will automatically upload a server status report to Citrix Insight Services, based on a predefined schedule configured on your XenServer pools.

[Privacy Statement](#)

| Pool | Status |
|------|--------------------------|
| xe01 | Health Check not enabled |

xe01

Not enrolled into Health Check

[Enroll now](#)

Show this dialog when connecting to servers that are not enrolled into Health Check

[Close](#)

[File](#) [View](#) [Pool](#) [Server](#) [VM](#) [Storage](#) [Templates](#) [Tools](#) [Help](#)[Back](#) [Forward](#) | [Add New Server](#) | [New Pool](#) [New Storage](#) [New VM](#) | [Shut Down](#) [Reboot](#) [Suspend](#)

Search...



xe01

Logged in as: Local root account

[XenCenter](#)[xe01](#)

- [New VM...](#)
- [New SR...](#)
- [Import...](#)
- [Add to Pool](#)
- [Enter Maintenance Mode...](#)
- [Reboot](#)
- [Shut Down](#)
- [Restart Toolstack](#)
- [Disconnect](#)
- [Reconnect As...](#)
- [Properties](#)

General

Memory Storage Networking NICs GPU Console Performance Users Search

General Properties

[Expand all](#) [Collapse all](#)

| | |
|-------------------|--------------------------------------|
| Name: | xe01 |
| Description: | Default install of XenServer |
| Location: | <None> |
| Owner: | <None> |
| Connected: | Yes |
| IQN: | iqn.2017-09.com.example:8ddb5dbf |
| Log destination: | Local |
| Server uptime: | -11 minutes |
| Toolstack uptime: | -13 minutes |
| UUID: | 183b11e2-05a7-43cd-8339-2e6421cdcc84 |

Management Interfaces

Memory

Version Details

License Details

[Infrastructure](#)[Objects](#)[Organization Views](#)[Saved Searches](#)[Notifications](#) 5

Storage

儲存伺服器

連線方法

iSCSI

NFS

SMB(7.x)

Synology / QNAP

s10G 網卡 / RAID 6 問題

2Xw storage !!!

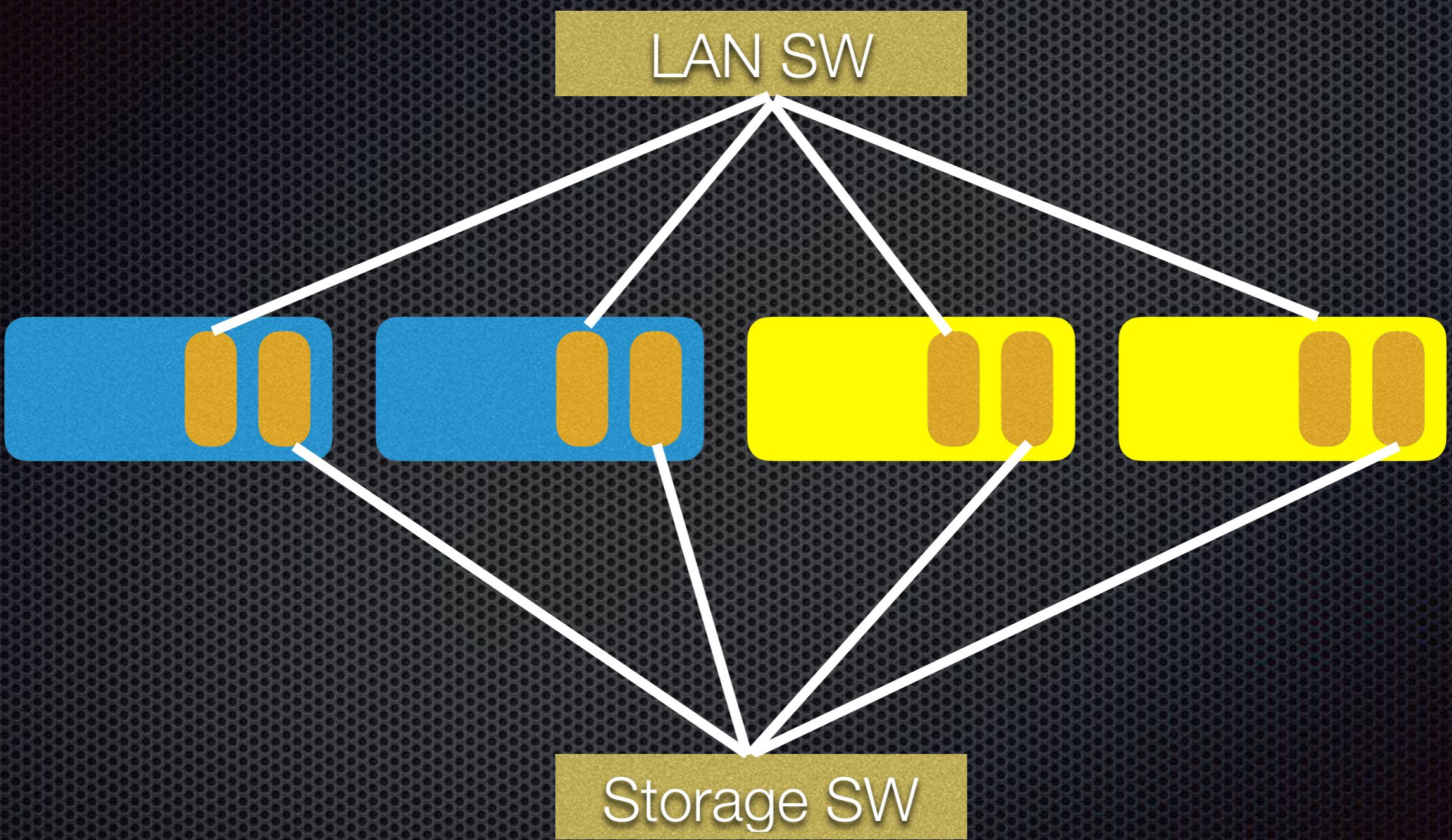
有買的舉手

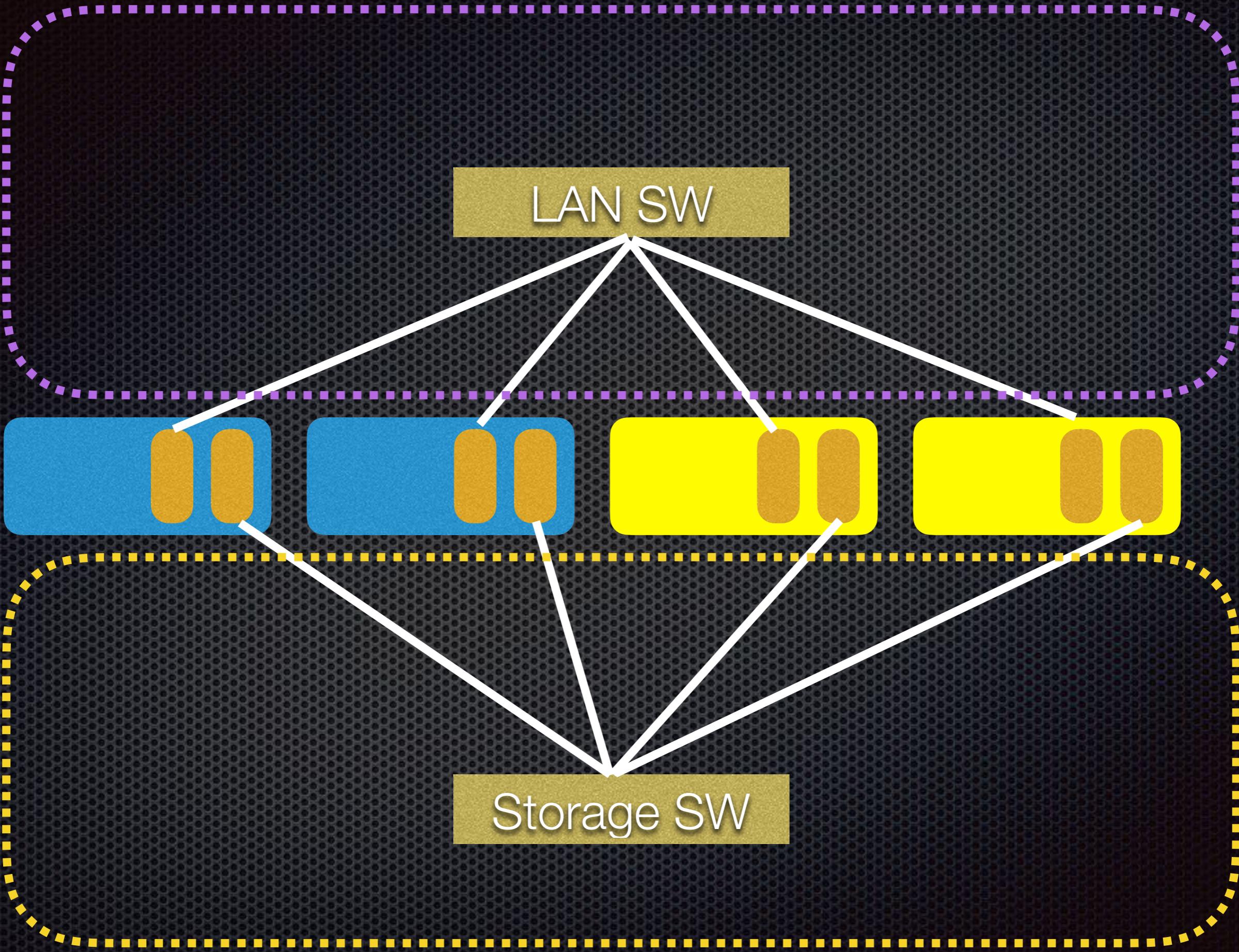
開源 NAS OS

FreeNAS / NAS4Free / OpenMediaVault

Storage Network

我們還是分手吧





防呆不防笨



Live Demo

create pool

create SR

create VM

import
VOF / VOA

vm migrate

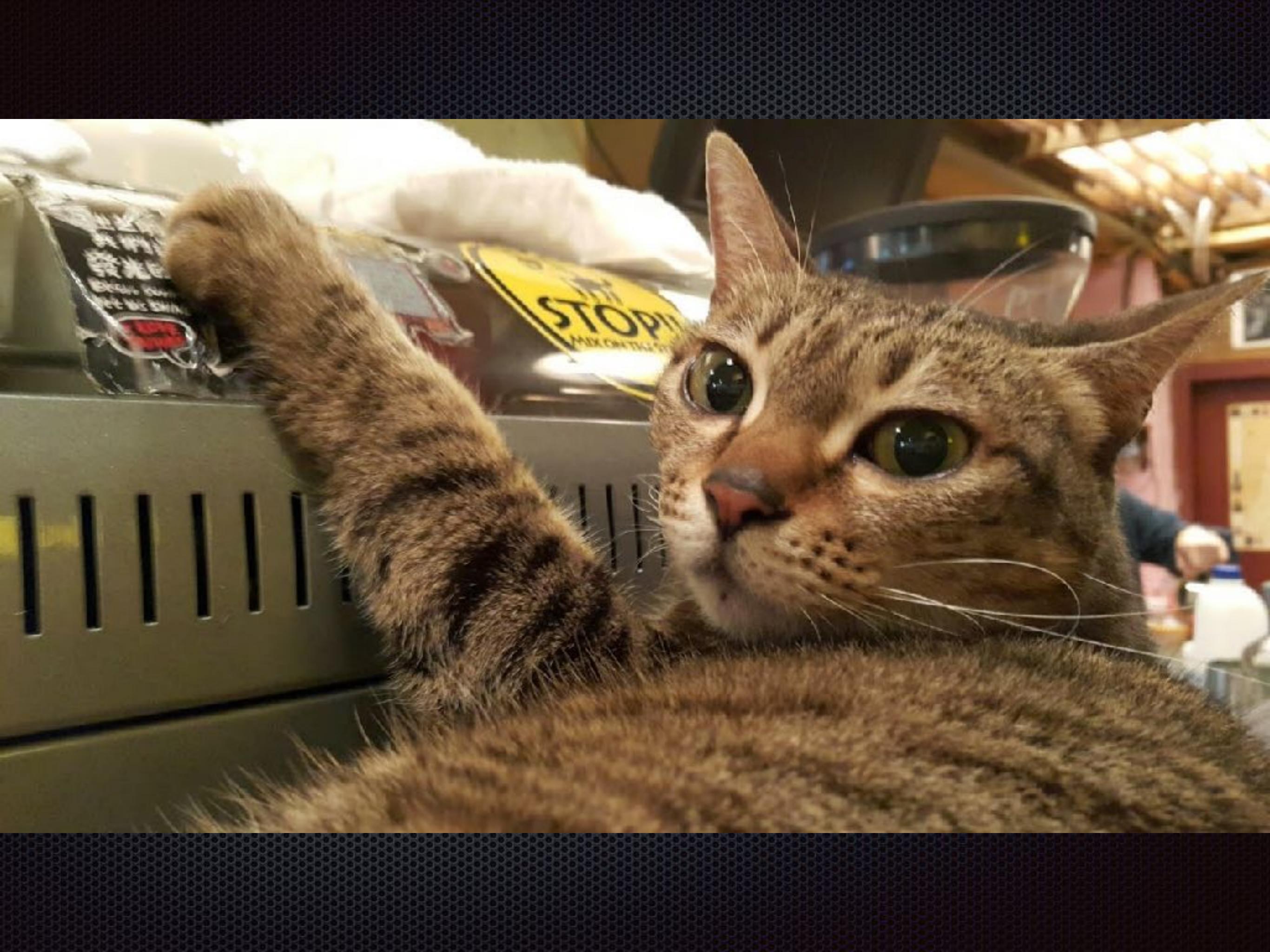
storage migration

snapshot

Q & A

看一下提問

<https://admin2.sli.do/event/h65ppsjp/questions>



Backup
NAUbackup

WebUI
xoa

P2V
clonezilla



FOSSTP

Thanks.
we r fosstp