

VMware Learning and Certification Path



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Expert

Professional

VMware vSphere安裝及設定管理課程

VMware vSphere : Install, Configure, Manage [V6.5]



時數：35 小時 | 費用：69,900 元 | 點數：20.5 點 | 教材：VMware 原廠電子教材

適合對象

1. 系統管理員
2. 系統工程師

預備知識 具備Microsoft Windows或Linux作業系統的系統管理經驗

課程目標 這門為期五天的課程特別著重於安裝、設定與管理 VMware vSphere® 6.5 (包括 VMware ESXi™ 6.5 與 VMware vCenter Server® 6.5) 的密集實習訓練。本課程可協助您了解如何為任何規模的組織管理 vSphere 基礎架構。這也是軟體定義的資料中心中其他大多數 VMware 技術的基礎。課程結束後，您將能夠達成以下目標：

1. 說明軟體定義的資料中心
2. 說明 vSphere 元件及其在基礎架構中的功能
3. 部署 ESXi 主機
4. 部署 VMware vCenter® Server Appliance™
5. 將本機內容庫作為 ISO 存放區使用，以及部署虛擬機
6. 說明 vCenter Server 架構
7. 使用 vCenter Server 管理 ESXi 主機
8. 使用 VMware Host Client™ 和 VMware vSphere® Web Client 設定及管理 vSphere 基礎架構
9. 使用 vSphere 標準交換器說明虛擬網路
10. 設定標準交換器原則
11. 使用 vCenter Server 管理各種類型的主機儲存裝置：VMware vSphere® VMFS、NFS、iSCSI 及 RDM
12. 檢驗光纖通道和 VMware vSAN™ 的特性和功能
13. 管理虛擬機、範本、複製及快照
14. 建立、複製及部署 vApp
15. 說明及使用內容庫
16. 使用 VMware vSphere® vMotion® 移轉虛擬機
17. 使用 VMware vSphere® Storage vMotion® 移轉虛擬機儲存裝置
18. 監控資源使用情況及管理資源集區
19. 使用 esxstop 找出及解決效能問題
20. 討論 VMware vSphere® High Availability 叢集架構
21. 設定 vSphere HA
22. 管理 vSphere HA 和 VMware vSphere® Fault Tolerance
23. 使用 VMware vSphere® Replication™ 和 VMware vSphere® Data Protection™ 複製虛擬機及執行資料復原
24. 使用 VMware vSphere® Distributed Resource Scheduler™ 叢集提升主機延展性
25. 使用 VMware vSphere® Update Manager™ 套用修補程式，並針對 ESXi 主機、虛擬機及 vCenter Server 的各項作業進行基本的疑難排解

- 備註事項
1. 如要取得VCP6.X-DCV認證，須通過完成兩科考試：
報名課程享有NT\$8,000元，加價參加VCP6.X-DCV認證兩科總復習與兩科考試，內容包含兩天課程總復習及兩科考試(USD345)。
 2. 課程優惠方案：
早鳥優惠價：開課前2周完成報名繳費，享有早鳥優惠價NT\$66,405元
 3. 白天班及假日班課程含供餐服務



VMware vSphere操作技能

VMware vSphere : Skills for Operators [V6.5]



時數：14 小時 | 費用：30,600 元 | 點數：9 點 | 教材：VMware 原廠電子教材

適合對象 Technical professionals with system administration skills and operators responsible for managing virtual machines using ESXi and vCenter Server

預備知識

- System administration experience on Microsoft, Linux, Solaris
- Understanding of basic network and storage concepts

課程目標 This two-day technical classroom training course is designed to help operators and administrators who create and manage virtual machines. This course provides you with a strong understanding of VMware virtual machine features in vSphere 6.0. By combining lecture and hands-on labs, this course will help you gain the skills required to work effectively with VMware virtual machines. This course is based on VMware ESXi™ 6.0 and VMware vCenter Server™ 6.0.

課程結束後，您將能達成以下目標：

1. Describe virtualization, virtual machines, and vSphere components
2. Describe the concepts of server, network, storage, and desktop virtualization
3. Deploy, configure, clone, and manage virtual machines
4. Use vCenter Server to monitor virtual machine resource usage
5. Use VMware vSphere® vApp(s)™ to bundle and manage multiple interoperating virtual machines and software applications
6. Use VMware vSphere® vMotion® and VMware vSphere® Storage vMotion® to migrate virtual machines
7. Use VMware vSphere® Distributed Resource Scheduler™, VMware vSphere® High Availability, VMware vSphere® Fault Tolerance, VMware vSphere® Data Protection™, and VMware vSphere® Replication™ to optimize the performance of your vSphere virtual environment

備註事項 白天班及假日班課程含供餐服務



Whats New

VMware vSphere新增功能

VMware vSphere : What's New [V5.5 to V6.5]



時數：21 小時 | 費用：46,000 元 | 點數：13.5 點 | 教材：VMware 原廠電子教材

適合對象	System architects, system administrators, IT managers, VMware partners, and individuals responsible for implementing and managing vSphere architectures
預備知識	This course requires completion of one the following courses or equivalent knowledge and administration experience with VMware ESX®/ESXi and vCenter Server : <ul style="list-style-type: none">• ICM : VMware vSphere安裝及設定管理課程[V5.5 or V6]• VMware vSphere : Fast Track [V5.5 or V6]• VMware vSphere : What' s New [V5.5 or V6]• VSTW : VMware vSphere疑難排除實務課程[V5.5 or V6]
課程目標	<p>In this three-day, hands-on training course, you will explore the new features and enhancements in VMware vCenter Server®6.5 and VMware ESXi™ 6.5. Real-world use case deployment scenarios, hands-on lab exercises, and lectures will teach you the skills that you need to effectively implement and configure VMware vSphere®6.5. This class is recommended for customers who want to deploy vSphere 6.5 into their existing vSphere environment.</p> <p>課程結束後，您將能夠達成以下目標：</p> <ol style="list-style-type: none">1. List and describe key enhancements in vSphere 6.52. Use the user interface of the new VMware vSphere®Client™, the new VMware Host Client™, and the appliance shell of VMware vCenter® Server Appliance™3. Add users to the lockdown exception users list and test the lockdown mode4. Configure virtual machines to check for and install newer versions of VMware Tools™5. Upgrade virtual machines to the current hardware6. Create a multisite content library for synchronizing virtual machine templates, vApps, ISO images, and scripts across vCenter Server instances7. Enable the VMware vSphere®Authentication Proxy service to automatically add new hosts to the Active Directory domain8. Configure NFS- and iSCSI-backed virtual volumes to provide a common storage platform, independent of the underlying storage hardware9. Create storage policies and use these policies with virtual machines and virtual volume datastores10. Work with VMware vSphere® Network I/O Control to create and configure a distributed switch11. Use VMware vSphere®vMotion®to migrate virtual machines across vCenter Server instances12. Activate the high availability feature of vCenter Server Appliance13. Back up vCenter Server Appliance by using a file-based backup solution from the vCenter Server Appliance Management Interface14. Set up your environment to encrypt and decrypt virtual machines15. Set up your environment to use encrypted vSphere vMotion to securely migrate encrypted virtual machines16. Migrate from Windows vCenter Server to vCenter Server Appliance17. Configure vCenter Server and associated services to use VMware Platform Services Controller™ high availability
備註事項	白天班及假日班課程含供餐服務

VSDDFT

VMware vSphere設計與部署密集訓練課程

VMware vSphere : Design and Deploy Fast Track [V6.0]



時數：35 小時 | 費用：121,450 元 | 點數：38 點 | 教材：VMware 原廠電子教材

適合對象	資深系統整合商、負責設計和部署vSphere環境的顧問
預備知識	完成以下課程： ICM : VMware vSphere安裝及設定管理課程[V6.0] VSOS : VMware vSphere最佳化及監測[V6.0] 或擁有vSphere部署方面的同等經驗
課程目標	<p>本延伸課程可為您提供設計和部署VMware vSphere® 6.0虛擬基礎架構所需具備的知識、技能及能力。您可以遵照經過證實的方法，設計並部署兼具可用性和延展性的虛擬化解決方案，其不僅容易管理、安全無虞，更採用VMware的最佳做法。</p> <p>本課程討論了可用設計替代選擇的優點和風險，並在做出正確設計決策時提供支援資訊。在本課程中，您將與其他學員合作設計專案，藉此練習設計技能。您也將在完成vSphere的設計後部署其元件。</p> <p>本課程係依據VMware ESXi™ 6.0與VMware vCenter Server™ 6.0所設計。</p> <p>課程結束後，您將能夠達成以下目標：</p> <ol style="list-style-type: none">1. 評估目前環境的業務和應用程式需求2. 了解架構並將其套用於設計中3. 分析設計選項和最佳做法建議4. 為企業設計和部署核心管理基礎架構5. 為企業設計和部署虛擬資料中心6. 為企業設計和部署運算基礎架構7. 為企業設計和部署儲存及網路基礎架構8. 設計和部署虛擬機，以在vSphere基礎架構中執行應用程式9. 為企業設計和部署安全性、管理及復原能力功能
備註事項	白天班及假日班課程含供餐服務



時數：21 小時 | 費用：50,700 元 | 點數：15 點 | 教材：VMware 原廠電子教材

適合對象	Experienced system integrators and consultants responsible for designing and deploying vSphere environments
預備知識	This course requires completion of the following prerequisites : <ul style="list-style-type: none"> • ICM : VMware vSphere安裝及設定管理課程[V6.5] • VSOS : VMware vSphere最佳化及監測[V6.5]
課程目標	This three-day training course equips you with the knowledge, skills, and abilities to design a VMware vSphere® 6.5 virtual infrastructure. You follow a proven approach to design a virtualization solution that is available, scalable, manageable, recoverable, and secure, and that uses VMware best practices. This course discusses the benefits and risks of available design alternatives and provides information to support making sound design decisions. Given a case study, you practice your design skills by working with peers on a design project. 課程結束後，您將能達成以下目標： <ol style="list-style-type: none"> 1. Assess the business and application requirements of the current environment 2. Apply a framework to a design 3. Analyze design choices and best-practice recommendations 4. Create a design that ensures availability, manageability, performance, recoverability, and security 5. Design the core management infrastructure for an enterprise 6. Design the virtual data center for an enterprise 7. Design the compute infrastructure for an enterprise 8. Design the storage and networking infrastructures for an enterprise 9. Design virtual machines to run applications in a vSphere infrastructure 10. Design security, management, and recoverability features for an enterprise
備註事項	1. 此課程可協助您取得下列認證：VMware Certified Advanced Professional 6 – Data Center Virtualization Design (VCAP6-DCV Design) 2. 白天班及假日班課程含供餐服務



時數：35 小時 | 費用：84,400 元 | 點數：25 點 | 教材：VMware 原廠電子教材

適合對象	<ol style="list-style-type: none"> 1. 經驗豐富的系統管理員 2. 系統工程師 3. 系統整合業者
預備知識	This course requires completion of one of the following prerequisites : <ul style="list-style-type: none"> • Understanding of concepts presented in the VMware vSphere : Install, Configure, Manage [V6.5] course • Equivalent knowledge and administration experience with ESXi and vCenter Server • Experience with working at the command prompt is highly recommended
課程目標	This five-day course will teach you advanced skills for configuring and maintaining a highly available and scalable virtual infrastructure. Through a mix of lecture and hands-on labs, you will configure and optimize the vSphere features that build a foundation for a truly scalable infrastructure, and you will discuss when and where these features have the greatest effect. Anyone who is ready to take their understanding of vSphere to a deeper level and learn how to use advanced features and controls will greatly benefit from this course. 課程結束後，您將能夠達成以下目標： <ol style="list-style-type: none"> 1. Configure and manage ESXi networking and storage for a large and sophisticated enterprise 2. Manage changes to the vSphere environment 3. Optimize the performance of all vSphere components 4. Harden the vSphere environment against security threats 5. Use VMware vSphere®Client™, VMware vSphere®Web Client, and VMware vSphere®ESXi™ Shell to manage vSphere 6. Use VMware vSphere®Auto Deploy™ to provision ESXi hosts 7. Use VMware vRealize®Log Insight™ to monitor system logs 8. Deploy VMware vCenter®Server Appliance™ to be highly available and optimized for performance
備註事項	白天班及假日班課程含供餐服務

VMware vSphere疑難排除實務課程

VMware vSphere : Troubleshooting Workshop [V6.0]



時數：35 小時 | 費用：84,400 元 | 點數：25 點 | 教材：VMware 原廠電子教材

適合對象 系統管理員、系統整合人員

預備知識 建議具備任一同等經驗或完成以下任一先修課程

- VMware Certified Professional 6 – Data Center Virtualization (VCP6-DCV)
- VMware vSphere : Fast Track [V6]
- VSOS : VMware vSphere最佳化及監測
- 強烈建議使用過指令管理vSphere環境

課程目標 這門實機訓練實務課程提供您進階的知識、技巧及能力，可以勝任VMware vSphere 6的疑難排除，課程將會提升您使用指令、VMware vSphere® Web Client、VMware vRealize™ Log Insight™及其他工具分析問題的能力。

本課程是基於VMware ESXi™ 6及VMware® vCenter Server™ 6上。

課程結束後，您將能夠達成以下目標：

1. 使用VMware vSphere® Web Client、指令及Log檔分析並解決vSphere的問題
2. 介紹故障處理的原則和流程
3. 解決網路問題並修復
4. 分析儲存錯誤並修復
5. 解決vSphere叢集故障並分析可能的原因
6. 診斷常見的VMware vSphere®高可用性問題並修復
7. 解決虛擬機遷移(VMware vSphere® vMotion®)、提高資源使用(VMware vSphere® Distributed Resource Scheduler™)
8. 故障排除vCenter Server的問題
9. 識別ESXi主機的問題(分析故障並修正)
10. 排除故障的虛擬機，包括安裝、快照、連接及其他問題

備註事項 白天班及假日班課程含供餐服務

VMware vCloud Director安裝及設定管理課程

VMware vCloud Director : Install, Configure, Manage [V8.10]



時數：35 小時 | 費用：69,900 元 | 點數：20.5 點 | 教材：VMware 原廠電子教材

適合對象 Cloud architects, systems engineers, data center administrators, and cloud administrators with experience in a service provider or managed services environment

預備知識 This course requires completion of the following course :

- VMware vSphere : Install, Configure, Manage [V6] or equivalent knowledge

This course recommends completion of the following e-learning courses :

- VMware vCloud Director : Fundamentals [V8.10]
- VMware Virtual SAN : Fundamentals [V6.2]
- VMware Network Virtualization Fundamentals

Substantial knowledge of TCP/IP networking is helpful.

課程目標 In this five-day course, you will focus on designing, installing, configuring, and managing VMware vCloud Director® 8.10 for service providers. You will learn about self-service provisioning, the creation of organizations, virtual data centers, and catalog services that include predefined virtual machines, and on-demand VMware NSX® networks as well as the integrated use of VMware Virtual SAN™. This course also covers interfacing vCloud Director with other systems through the use of various APIs.

課程結束後，您將能夠達成以下目標：

1. Design a vCloud Director environment
2. Deploy vCloud Director
3. Manage vCloud Director to satisfy service provider needs
4. Configure Virtual SAN and VMware vSphere® storage to enable multiple tiers in provider virtual data centers
5. Create and manage vCloud Director organizations and vApps to satisfy business needs
6. Create and manage vCloud Director catalogs
7. Transfer virtual machine workloads from vSphere into and out of vCloud Director
8. Configure networking for organizations and vApps with the help of NSX
9. Use NSX to create hybrid cloud connectivity between a public cloud and a private cloud
10. Create an interface between vCloud Director and Microsoft Active Directory servers

備註事項 白天班及假日班課程含供餐服務

2017新課

VRAICM

VMware vRealize Automation 安裝及設定管理課程

VMware vRealize Automation : Install, Configure, Manage [V7]

時數：35 小時 | 費用：76,600 元 | 點數：22.5 點 | 教材：VMware 原廠電子教材



適合對象	負責設計及實作 vRealize Automation 且經驗豐富的系統管理員和系統整合業者
預備知識	參加本課程前必須完成下列其中一門課程： <ul style="list-style-type: none"> □ICM：VMware vSphere 安裝及設定管理課程[V6.X] □VMware vSphere 6.x：Fast Track 具備指令行工作經驗將會有所幫助
課程目標	在這門為期五天的課程中，您將習得如何安裝、設定和管理 VMware vRealize® Automation™。您將學習 vRealize Automation 平台的設定和使用方法，包括目錄服務 (涵蓋預先定義的虛擬機、軟體元件，以及隨選 VMware NSX® 網路) 的自助佈建與建立。本課程也會探討將 vRealize Automation 與其他系統接合、使用 VMware vRealize® Orchestrator™ 來運用工作流程，以及建立核准週期和管理機器生命週期以保留資源等內容。此外，您將可深入了解將自動化視為軟體定義的資料中心其中一個元件，並掌握實現其效益的方式。 課程結束後，您將能夠達成以下目標： <ol style="list-style-type: none"> 1. 說明 vRealize Automation 架構與使用情境 2. 安裝及設定 vRealize Automation 3. 管理 VMware 與協力廠商的虛擬、雲端和實體基礎架構上的 vRealize Automation 實體 4. 設定及管理目錄和藍圖 5. 設定及管理 VMware、Microsoft、Amazon 和其他平台中的業務群組以及運算資源保留區 6. 使用自助式服務入口網站，並按照 vRealize Automation 核准和治理原則來要求及管理機器 7. 說明 vRealize Automation 擴充性與工作流程 8. 管理及監控機器與資源回收
備註事項	<ol style="list-style-type: none"> 1. 此課程可協助您取得下列認證：VMware Certified Professional 7 – Cloud Management and Automation (VCP7-CMA) 2. 白天班及假日班課程含供餐服務

VROICM

VMware vRealize Operations Manager 安裝及設定管理課程

VMware vRealize Operations Manager : Install, Configure, Manage [V6.2]

時數：35 小時 | 費用：84,400 元 | 點數：25 點 | 教材：VMware 原廠電子教材



適合對象	負責客製 vRealize Operations Manager 內容且經驗豐富的系統管理員和系統整合業者及顧問
預備知識	參加本課程前必須完成下列其中一門課程： <ul style="list-style-type: none"> • □ICM：VMware vSphere 安裝及設定管理課程[V6.0] • □□VSOS：VMware vSphere 最佳化及監測[V6.0] 或具備 vSphere 部署的系統管理經驗
課程目標	這門為期五天的課程適合經驗豐富的 VMware vSphere® 使用者，旨在教授您如何使用 VMware vRealize® Operations Manager™ 作為驗證與預測問題的工具。課程內容係依據 VMware ESXi™ 6、VMware vCenter Server® 6 以及 vRealize Operations Manager 6.2 所設計，涵蓋進階功能的說明，包括自訂操作及管理。 課程結束後，您將能夠達成以下目標： <ol style="list-style-type: none"> 1. 導覽 vRealize Operations Manager 使用者介面 2. 使用警示及分析標誌，對常見及複雜的 vSphere 運作問題進行疑難排解 3. 監控容量風險及基礎架構的利用率 4. 執行容量規劃與假設分析 5. 使用工作負載配置來重新平衡工作負載 6. 設定符合環境運作需求的原則 7. 透過建立警示定義、徵兆定義、檢視、報告、控制面板及超級指標，自訂 vRealize Operations Manager 8. 提供使用者及使用者群組對環境的控制存取 9. 監控作業系統和應用程式 10. 透過新增管理套件及解決方案，擴充 vRealize Operations Manager 的功能 11. 擴充 vRealize Operations Manager 部署，提供高可用性 12. 安裝與設定 vRealize Operations Manager 13. 監控與維護 vRealize Operations Manager 部署
備註事項	白天班及假日班課程含供餐服務

VMware Horizon安裝及設定管理課程

VMware Horizon 7 : Install, Configure, Manage [V7]

時數：35 小時 | 費用：69,900 元 | 點數：20.5 點 | 教材：VMware 原廠電子教材



適合對象 終端客戶公司的 IT 部門技術人員，以及負責交付遠端或虛擬桌面服務的人員

預備知識 參加本課程的客戶必須至少具備以下 VMware 基礎架構技能：

1. 使用 VMware vSphere® Web Client 檢視虛擬機、資料儲存區和網路的狀態
2. 在 VMware vCenter Server® 上開啟虛擬機主控台，然後存取 Guest 作業系統
3. 建立虛擬機快照

4. 設定 Guest 自訂規格
5. 修改虛擬機屬性
6. 將虛擬機轉換為範本
7. 從範本部署虛擬機

參加者應具備下列 Microsoft Windows 系統管理員經驗：

1. 設定 Active Directory 服務，包括 DNS、DHCP 與時間同步處理
2. 透過執行群組原則物件限制使用者活動
3. 設定 Windows 系統以進行遠端桌面平台連線
4. 在 SQL Server 資料庫建立 ODBC 連線

課程目標 這門為期五天的實作課程，將指導您透過單一虛擬桌面基礎架構平台提供虛擬桌面與應用程式所需的技能。本課程結合授課與實驗室實作練習，以協助您培養安裝、設定和管理 VMware Horizon®7 的技能。您將學習如何設定和部署虛擬機集區、如何管理機器的存取和安全性，以及如何將自訂的桌面平台環境提供給使用者。

課程結束後，您將能夠達成以下目標：

1. 認識 VMware Horizon 元件
2. 安裝及設定 View Connection Server
3. 安裝及設定虛擬桌面
4. 設定及管理 VMware Horizon® Client™ 系統
5. 設定及管理實體和虛擬機集區
6. 設定及管理完整虛擬機自動化集區
7. 設定及管理連結複製桌面平台集區
8. 設定及管理即時複製自動化集區
9. 設定及管理桌面平台和應用程式的遠端桌面服務 (RDS) 集區
10. 使用 Horizon Administrator 設定 VMware Horizon 環境
11. 設定虛擬桌面的安全存取
12. 使用 VMware User Environment Manager™ 管理使用者個人化與應用程式設定
13. 說明部署設定檔管理的步驟
14. 使用 VMware App Volumes™ 佈建及管理應用程式
15. 管理 VMware Horizon 部署的效能與延展性

備註事項 1. 此課程可協助您取得下列認證：VMware Certified Professional 7-Desktop and Mobility (VCP7-DTM)
2. 白天班及假日班課程含供餐服務

VMware Horizon疑難排除和效能最佳化

VMware Horizon 7 : Troubleshooting and Performance Optimization [V7]

時數：35 小時 | 費用：84,400 元 | 點數：25 點 | 教材：VMware 原廠電子教材



適合對象 Experienced system administrators and system integrators responsible for maintaining the View component of VMware Horizon 7

預備知識 This class requires understanding the concepts and topics presented in the following courses：

- Horizon (with View) : Install, Configure, Manage
- VMware Data Center Virtualization Fundamentals

Experience with working with View is helpful

課程目標 During this five-day, hands-on training, you will gain the advanced knowledge, skills, methodology, and abilities to achieve competence in troubleshooting the View component of VMware Horizon® 7. You will increase your skills and competence in using VMware and third-party tools to analyze and solve problems associated with a View implementation. This lab-intensive course provides you with a comprehensive environment to test your skills at identifying and solving a broad range of issues.

課程結束後，您將能夠達成以下目標：

1. Use the View Administrator Web Client, log files, and VMware and third-party tools to analyze, diagnose, and troubleshoot problems in a View environment
2. Optimize the display protocol and the virtual desktop to ensure an optimal end-user experience
3. Identify infrastructure problems as they relate to View
4. Discuss View installation problems and best practices

備註事項 白天班及假日班課程含供餐服務

VMware Horizon設計與部署課程

Horizon : Design and Deploy [V6.0]

時數：35 小時 | 費用：84,400 元 | 點數：25 點 | 教材：VMware 原廠電子教材



適合對象 經驗豐富的系統管理員和負責 Horizon 解決方案的系統整合商

- 桌面虛擬化的實施經驗
- 了解 Horizon View 安裝、設定及管理或具備相同之經驗
- 了解 VMware vSphere 資料中心虚拟化 VCA-DCV 認證課程

課程目標 本課程介紹設計和部署 VMware Horizon® 解決方案。該設計方法，包括必須收集和分析，針對客戶桌面、VMware vSphere 架構及 Horizon 元件做出正確的設計決策，VMware 將會套用最佳實踐在每一個設計的流程。

在這個課程中，您將與您的夥伴合作，設計和部署一個真實世界的 Horizon 解決方案。

課程結束後，您將能夠達成以下目標：

1. 評估環境業務和應用需求
2. 遵循 VMware 最佳實踐，設計 Horizon 基礎架構，解決環境的需求
3. 紀錄可以實踐的設計
4. 設計和部署一個全面的 Horizon 解決方案

備註事項 白天班及假日班課程含供餐服務

VMICM

VMware Mirage安裝及設定管理課程

VMware Mirage : Install, Configure, Manage [V5.0]

時數：21 小時 | 費用：46,000 元 | 點數：13.5 點 | 教材：VMware 原廠電子教材



適合對象	Experienced system administrators and system integrators responsible for deploying Mirage	
預備知識	<ul style="list-style-type: none"> Ability to use VMware vSphere® Client™ to view the state of virtual machines, datastores, and networks Experience accessing the guest operating system from the VMware vCenter Server™ virtual machine console Ability to navigate Windows 7, Windows 8.1, and Windows Server 2008. 	
課程目標	<p>This hands-on training course provides students with skills that they need to deploy a unified image management system using VMware Mirage™. After installing Mirage 5.0, students learn how to configure security, manage images, perform a Windows migration, set up endpoint protection, and perform various management functions.</p> <p>課程結束後，您將能夠達成以下目標：</p> <ol style="list-style-type: none"> Describe the key concepts of Mirage Recognize how Mirage fits into the VMware end-user computing vision Identify the main Mirage use classifications Define the function of each of the Mirage solution components Install, configure, and upgrade Mirage Identify the tasks for SSL configuration on a Mirage system Discuss the management functions available in the Mirage Management console Deploy Mirage to endpoints Explain the tasks for capturing and assigning base layers and application layers Describe methods for performing disaster recovery with Mirage Outline how to plan and perform a mass hardware migration with Mirage Recognize how the file portal is set up and used 	
備註事項	白天班及假日班課程含供餐服務	

SRM

VMware vCenter Site Recovery Manager-SRM 管理及設定

VMware vCenter Site Recovery Manager : Install, Configure, Manage [V6.1]

時數：14 小時 | 費用：30,600 元 | 點數：9 點 | 教材：VMware 原廠電子教材



適合對象	負責SRM部署或管理的管理員、架構師、系統工程師和系統整合商	
預備知識	<p>需要先完成以下任一課程：</p> <ul style="list-style-type: none"> ICM : VMware vSphere安裝及設定管理課程 [V6] VMware vSphere : Fast Track [V6] WhatsNew : VMware vSphere新增功能 [V5.5 to V6] VSTW : VMware vSphere疑難排除實務課程[V5.5] <p>或具備VMware ESXi™和VMware vCenter Server™相同知識</p>	
課程目標	<p>兩天的實機演練課程，使VMware vSphere®管理員熟悉安裝、設定及管理VMware Site Recovery Manager™ 6.1。本課程還介紹您如何撰寫及使用SRM災難復原計畫。</p> <p>課程結束後，您將能夠達成以下目標：</p> <ol style="list-style-type: none"> 總結SRM(Site Recovery Manager)架構的元件 安裝SRM軟體 描述使用SRM災難恢復拓模 描述使用SRM的儲存複製參數 介紹VMware vSphere®複製(Replication™)功能 描述vSphere複製架構 部署和設定vSphere複製與SRM之使用 設定清單與資源對映 建構基於群組vSphere複製的SRM 建立、編輯、執行、測試和刪除還原計畫 執行計畫中的遷移 執行SRM和vSphere複製的重新保護及故障恢復 	
備註事項	白天班及假日班課程含供餐服務	

VCOAUD

VMware vCenter Operations Manager進階使用和儀表板設計

VMware vCenter Operations Manager : Advanced Usage and Dashboard Design [V5.x]

時數：21 小時 | 費用：50,700 元 | 點數：15 點 | 教材：VMware 原廠電子教材



適合對象	負責將vCenter Operations Manager擴充vSphere介面到客製化環境的系統管理者和顧問	
預備知識	<p>VMware vCenter Operations Manager分析與預測課程的知識，包含：</p> <ul style="list-style-type: none"> □vCenter Operations Manager的安裝和設定基本設置 □登入並使用vCenter Operations Manager的vSphere使用者介面 □識別徽章和指標之間的差異 	
課程目標	<p>本訓練課程著重於VMware® vCenter™ Operations Manager™ 5.6的進階功能，例如轉接器、客製化和和管理課題。您將學習如何使用轉接器、定義客製化的超指標、客製化儀表板以及使用客製使用者介面。本課程基於vCenter Operations Manager 5.6並與VMware® vSphere® 5.1、VMware vCloud Director® 5.1及VMware® vFabric™ Hyperic®整合。</p> <p>課程結束後，您將能夠執行以下操作：</p> <ol style="list-style-type: none"> 識別轉接器的功能、使用情況、可用性和安裝 描述超指標、屬性、屬性套裝和物件標記 管理使用者存取VMware vCenter Operations Manager的客製化介面 使用智慧型警報和客製化警報通知 使用客製化儀表板建立操作和應用程序監控的特定視圖 	
備註事項	白天班及假日班課程含供餐服務	

VMware Virtual SAN部署與管理課程

VMware Virtual SAN 6 : Deploy and Manage [V6.2]



時數：21 小時 | 費用：46,000 元 | 點數：13.5 點 | 教材：VMware 原廠電子教材

適合對象 Storage and virtual infrastructure administrators who want to use software-defined storage with Virtual SAN**預備知識** This class requires completion of one of the following :

- Storage administration experience on block or file storage devices
- Understanding of concepts presented in the VMware vSphere : Install, Configure, Manage [V6] course
- Experience with working at the command line is helpful

課程目標 During this three-day course, you will focus on deploying and managing a software-defined storage solution with VMware Virtual SAN™ 6.2. You will learn how Virtual SAN functions as an important component in the VMware software-defined data center (SDDC). You will gain practical experience with Virtual SAN concepts through the completion of hands-on lab exercises.

課程結束後，您將能夠達成以下目標：

1. Describe the Virtual SAN architecture and use cases
2. Configure Virtual SAN networking components
3. Configure a Virtual SAN cluster
4. Deploy virtual machines on a Virtual SAN datastore
5. Configure virtual machine storage policies
6. Perform ongoing Virtual SAN management tasks
7. Outline the tasks for upgrading from Virtual SAN 5 to Virtual SAN 6.2
8. Describe Virtual SAN interoperability with VMware vSphere® features and other products
9. Use the Virtual SAN health service to monitor Virtual SAN health and performance
10. Use the command line to monitor Virtual SAN
11. Configure a stretched cluster and observe failover scenarios
12. Plan and design a Virtual SAN cluster

備註事項 白天班及假日班課程含供餐服務

VMware NSX安裝及設定管理課程

VMware NSX : Install, Configure, Manage [V6.2]



時數：35 小時 | 費用：76,600 元 | 點數：22.5 點 | 教材：VMware 原廠電子教材

適合對象 有經驗並從事網路維護的系統管理員**預備知識**

- Understanding of enterprise switching and routing
- Knowledge of TCP/IP services
- Experience with firewalls and firewall rule sets
- Understanding of concepts presented in the VMware Data Center Virtualization Fundamentals course or VCA-DCV certification

課程目標 This comprehensive, fast-paced training course focuses on installing, configuring, and managing VMware NSX®. This course presents VMware NSX as a part of the software-defined data center. You will learn how to use logical switching in VMware NSX to virtualize your switching environment. The course also details logical routing to enable you to dynamically route between different virtual environments. And you will learn how to take use gateway services, firewall configurations, and security services to help secure and optimize your VMware NSX environment.

Access to a software-defined data center environment is provided through hands-on labs to reinforce the skills and concepts presented in the course.

課程結束後，您將能夠達成以下目標：

1. Describe the evolution of the software-defined data center
2. Configure and deploy VMware NSX components for management and control
3. Describe basic VMware NSX layer 2 networking
4. Configure, deploy, and use logical switch networks
5. Configure and deploy VMware NSX distributed router appliances to establish east-west connectivity
6. Configure and deploy VMware NSX® Edge™ services gateway appliances to establish north-south connectivity
7. Configure VMware NSX L2 bridging
8. Configure and use all main features of the NSX Edge services gateway
9. Configure NSX Edge firewall rules to restrict network traffic
10. Configure VMware NSX distributed firewall rules to restrict network traffic
11. Configure Service Composer policies
12. Configure an identity-aware firewall
13. Describe VMware NSX data security
14. Use the cross-vCenter VMware NSX feature

備註事項 白天班及假日班課程含供餐服務

NSXTO

VMware NSX疑難排除實務課程

VMware NSX : Troubleshooting and Operations [V6.2]

時數：35 小時 | 費用：84,400 元 | 點數：25 點 | 教材：VMware 原廠電子教材



適合對象	Network professionals who work with enterprise networks and VMware Sphere®
預備知識	<ul style="list-style-type: none"> • Understanding of layer 2-3 networking protocols, and switching and routing methodology • Understanding of layer 4-7 network services • Experience working with vSphere • Understanding of the concepts presented in the VMware NSX : Install, Configure, Manage course or the VMware NSX for Internetworking • Experts Fast Track course • VCP-NV certification is recommended
課程目標	<p>This five-day hands-on training course provides you with the advanced knowledge, skills, and tools to achieve competence in operating and troubleshooting the VMware NSX® 6.2 environment. In this course, you will be presented with various types of technical problems. You will learn how to identify the problems and solve them through a systematic process. You will also learn about several operational, management, and troubleshooting tools.</p> <p>課程結束後，您將能夠達成以下目標：</p> <ol style="list-style-type: none"> 1. Establish and apply a structured troubleshooting approach and methodology 2. Troubleshoot VMware NSX infrastructure and component issues 3. Troubleshoot physical and logical networking issues involving switching and routing 4. Troubleshoot advanced edge services 5. Troubleshoot network security issues 6. Use relevant tools to monitor, operate, and troubleshoot VMware NSX deployments
備註事項	白天班及假日班課程含供餐服務

NSXDD

VMware NSX設計與部署課程

VMware NSX : Design and Deploy [V6.2]

時數：35 小時 | 費用：76,600 元 | 點數：22.5 點 | 教材：VMware 原廠電子教材



適合對象	Network professionals who have experience working with VMware NSX and are responsible for designing or deploying virtualized network architecture
預備知識	<ul style="list-style-type: none"> • This course requires understanding the concepts and topics presented in the following courses : NSXICM : VMware NSX安裝及設定管理課程或NSXTO : VMware NSX疑難排除實務課程 • If you have not taken these courses, you should have equivalent experience • Passing of the VCP6-NV and VCIX6-NV certification is recommended
課程目標	<p>This five-day course prepares you to lead VMware NSX® design and deployment projects by providing an understanding of general design processes and frameworks. You look at the design and deployment considerations for network virtualization as part of an overall software-defined data center design.</p> <p>課程結束後，您將能夠達成以下目標：</p> <ol style="list-style-type: none"> 1. Understand and apply a design framework 2. Apply a design process for gathering requirements, constraints, assumptions, and risks 3. Analyze existing physical networking and security components, processes, and operations 4. Design a VMware vSphere® virtual data center to support VMware NSX requirements 5. Design a physical network to support network virtualization in a software-defined data center 6. Design logical network services 7. Design logical security services 8. Design a data center rack solution to support scalability and high availability 9. Identify management, monitoring, and operational tools for a proposed solution 10. Analyze the operational readiness of an organization and perform a skills gap analysis 11. Analyze alternative design choices for risk mitigation
備註事項	<ol style="list-style-type: none"> 1. 此課程可協助您取得下列認證：VMware Certified Design Expert–Network Virtualization (VCDX6-NV) 2. 白天班及假日班課程含供餐服務

AEMBC

VMware AirWatch企業行動力-實戰演練

VMware AirWatch Enterprise Mobility : Bootcamp

時數：28 小時 | 費用：59,500 元 | 點數：17.5 點 | 教材：VMware 原廠電子教材



- 適合對象** VMware AirWatch administrators, IT staff, sales engineers, consultants, support and helpdesk personnel, solutions architects, solutions engineers, and VMware AirWatch installers and implementation specialists
- 課程目標** This four-day bootcamp is a combination of the VMware AirWatch : Configure and Manage and the VMware AirWatch : Configure and Deploy Integrated Solutions courses. These courses take you from learning the foundational skills needed to configure and manage your VMware AirWatch® environment to advanced operations on the VMware AirWatch platform. You will learn how to enable containerized applications, deploy and manage corporate email, and integrate VMware AirWatch with your enterprise resources.
課程結束後，您將能夠達成以下目標：
1. Enroll devices in your enterprise environment, configure and update device settings over the air, and secure a diverse fleet of mobile devices
 2. Select the email deployment strategy that best fits your business and security requirements
 3. Manage internal, public, and purchased applications across managed devices
 4. Enable secure mobile access to content anytime, anywhere while protecting sensitive content
 5. Gain insight into major platforms, including iOS, Android, and Windows 10 devices
 6. Configure and provision cloud deployments
 7. Learn VMware AirWatch best practices for mobile deployments
 8. Understand how to deploy and manage VMware AirWatch applications from the console
 9. Integrate with enterprise resources by installing the AirWatch Cloud Connector
 10. Enable containerized applications to securely connect with back-end resources through use of VMware AirWatch® Tunnel™ and AirWatch Content Gateway
 11. Deploy and manage corporate email through the use of VMware AirWatch® Secure Email Gateway™
- 備註事項** 白天班及假日班課程含供餐服務

**AEMIDP**

VMware AirWatch企業行動力-安裝及部署內部部署解決方案

VMware AirWatch Enterprise Mobility : Install and Deploy On-Premise Solutions

時數：7 小時 | 費用：18,900 元 | 點數：5 點 | 教材：VMware 原廠電子教材



- 適合對象** AirWatch Administrators, Sales Engineers, Solutions Architects, Solutions Engineers, Consultants, Support/Helpdesk Technicians, Information Technology Staff, Implementation Specialists
- 預備知識** AirWatch Technical Post-Sales Cloud Professional accreditation is required
- 課程目標** This course provides the skills needed to install, configure, and upgrade an on premise AirWatch® server. You will have access to hands-on labs, learn upgrade options and strategies, and troubleshoot common installation and upgrade issues. Advanced installation techniques are discussed, including the use of high availability and redundancy.
課程結束後，您將能夠達成以下目標：
1. Identify important installation and upgrade prerequisites
 2. Learn to install, configure, and upgrade an on premise AirWatch server
 3. Discuss the benefits of using advanced installation techniques, including the use of high availability and enabling redundancy through multiserver configurations
 4. Review and recommend appropriate upgrade options and strategies
 5. Troubleshoot common installation and upgrade issues
- 備註事項** 白天班及假日班課程含供餐服務

WODM

VMware Workspace ONE部署與管理課程

VMware Workspace ONE : Deploy and Manage

時數：28 小時 | 費用：61,400 元 | 點數：18 點 | 教材：VMware 原廠電子教材



- 適合對象** Mobility administrators, solutions architects, solutions engineers, sales engineers, and consultants
- 課程目標** This four-day course focuses on the skills that you need to effectively implement VMware Workspace™ ONE™. You will learn how to integrate the components of Workspace ONE into your enterprise environment to enable self-service access to cloud, mobile, and Windows applications. Hands-on labs provide the opportunity to configure and deploy an instance of Workspace ONE. You will gain the necessary skills to effectively implement Workspace ONE to manage your digital workspaces across all devices and empower your employees with conditional access to the applications and content that they need.
課程結束後，您將能夠達成以下目標：
1. Explain the fundamental capabilities of Workspace ONE
 2. Execute foundational enterprise mobility management capabilities across mobile device and laptop platforms
 3. Effectively navigate and execute critical tasks in the VMware AirWatch® and VMware Identity Manager™ consoles
 4. Enable single sign-on for enterprise applications for iOS
 5. Establish VMware Identity Manager as a SAML provider
 6. Install AirWatch Cloud Connector and establish Active Directory integration
 7. Integrate VMware Identity Manager with VMware AirWatch
- 備註事項** 白天班及假日班課程含供餐服務

