



- ☑ 資料中心虛擬化
- ☑ 雲端運算虛擬化
- ☑ 桌面虛擬化
- ☑ 網路虛擬化
- ☑ Workspace ONE
- ☑ Kubernetes
- ☑ Tanzu
- ☑ Carbon Black Portfolio




ICM	<h2>VMware vSphere安裝及設定管理課程</h2> <p>VMware vSphere : Install, Configure, Manage [V7]</p> <p>時數：35小時 費用：69,900元 點數：20.5點 教材：VMware原廠電子教材</p>	
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	<p>This five-day course features intensive hands-on training that focuses on installing, configuring, and managing VMware vSphere® 7, which includes VMware ESXi™ 7 and VMware vCenter Server® 7. This course prepares you to administer a vSphere infrastructure for an organization of any size. This course is the foundation for most of the other VMware technologies in the software-defined data center.</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. Describe the software-defined data center (SDDC) 2. Explain the vSphere components and their function in the infrastructure 3. Install and configure ESXi hosts 4. Deploy and configure VMware vCenter® Server Appliance™ 5. Use VMware vSphere® Client™ to manage the vCenter Server inventory and the vCenter Server configuration 6. Manage, monitor, back up, and protect vCenter Server Appliance 7. Create virtual networks with vSphere standard switches 8. Describe the storage technologies supported by vSphere 9. Configure virtual storage using iSCSI and NFS storage 10. Create and manage VMware vSphere® VMFS datastores 11. Use the vSphere Client to create virtual machines, templates, clones, and snapshots 12. Create a content library and deploy virtual machines from templates in the library 13. Manage virtual machine resource use 14. Migrate virtual machines with VMware vSphere® vMotion® and VMware vSphere® Storage vMotion® 15. Create and manage a vSphere cluster that is enabled with VMware vSphere® High Availability and VMware vSphere® Distributed Resource Scheduler™ 17. Discuss solutions for managing the vSphere life cycle 18. Use VMware vSphere® Lifecycle Manager™ to perform upgrades to ESXi hosts and virtual machines 	
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 - Data Center Virtualization 2023(VCP-DCV 2023) 2. 如要取得VCP-DCV 2023認證，須完成通過一科考試： 報名課程享有NT\$6,000元，加價參加VCP-DCV 2023認證總複習與考試，內容包含一天課程總複習及一科考試(考試代碼2V0-21.20，USD250)。 3. 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 	
後續推薦課程	VSOS：VMware vSphere最佳化及監測	

WhatsNew	<h2>VMware vSphere新增功能</h2> <p>VMware vSphere : What's New [V6.7 to V7]</p> <p>時數：21小時 費用：46,000元 點數：13.5點 教材：VMware原廠電子教材</p>	
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	<p>This course requires completion of one the following courses or equivalent knowledge and administration experience with ESXi and vCenter Server :</p> <ul style="list-style-type: none"> • VMware vSphere : Install, Configure, Manage • VMware vSphere : Optimize and Scale • VMware vSphere : Fast Track • VMware vSphere : Troubleshooting 	
課程目標	<p>In this three-day, hands-on training course, you explore the new features and enhancements in VMware vCenter Server® 7.0 and VMware ESXi™ 7.0. Real-world use-case deployment scenarios, hands-on lab exercises, and lectures teach you the skills that you need to effectively implement and configure VMware vSphere® 7.</p> <p>This course is recommended for customers who want to deploy vSphere 7 in 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. Recognize the importance of key features and enhancements in vSphere 6.7 update releases and vSphere 7 2. Migrate a vCenter Server system for Windows to VMware vCenter® Server Appliance™ 7.0 3. Upgrade a vCenter Server instance to vSphere 7 4. Describe vCenter Server, VMware ESXi™, storage, network, virtual machine, and security enhancements in vSphere 7 5. Update templates in the content library 6. Use Identity Federation to configure vCenter Server to use external identity sources 7. Use the VMware vSphere® Client™ to manage certificates 8. Use VMware vSphere® Trust Authority™ to secure the infrastructure for encrypted VMs 9. Use VMware vSphere® Lifecycle Manager™ to manage vSphere deployments and updates 10. Describe the cloning and migration operations on encrypted VMs 11. Describe the purpose of scalable shares and the improvements to vSphere DRS 12. Describe how to change the IP address or FQDN of vCenter Server 13. Identify new hardware device support in ESXi 7.0 14. Recognize the enhancements available with VM compatibility version 17 15. Recognize the importance of containers and Kubernetes in a modern data center 	
後續推薦課程	VSDW : VMware vSphere設計規劃課程	

VSDW	<h2>VMware vSphere設計規劃課程</h2> <p>VMware vSphere : Design [V7]</p> <p>時數：21小時 費用：50,700元 點數：15點 教材：VMware原廠電子教材</p>	
適合對象	Experienced system integrators and consultants responsible for designing and deploying vSphere environments	
預備知識	<p>This course requires completion of the following prerequisites :</p> <ul style="list-style-type: none"> • ICM : VMware vSphere安裝及設定管理課程[V7] • VSOS : VMware vSphere最佳化及監測[V7] 	
課程目標	<p>This three-day training course equips you with the knowledge, skills, and abilities to design a VMware vSphere® 7 virtual infrastructure. You follow a proven approach to design a virtualization solution that ensures availability, manageability, performance, recoverability, and security. The approach presented follows VMware best practices. This course discusses the benefits and risks of available design alternatives and provides information to support making sound design decisions.</p> <p>Given a case study, you practice your design skills by working with peers on a design project.</p> <p>課程結束後，您將能達成以下目標：</p> <ol style="list-style-type: none"> 1. Identify the business objectives for the vSphere environment 2. Identify business requirements, constraints, assumptions, and risks for all layers in the vSphere environment 3. Apply a framework to a design 4. Analyze design choices and best-practice recommendations 5. Create a design that ensures availability, manageability, performance, recoverability, and security 6. Design the core management infrastructure for an enterprise 7. Design the virtual data center for an enterprise 8. Design the compute infrastructure for an enterprise 9. Design the storage and networking infrastructures for an enterprise 10. Design virtual machines to run applications in a vSphere infrastructure 11. Design security, manageability, and recoverability features for an enterprise 	
備註事項	此課程可協助您取得下列認證：VMware Certified Advanced Professional - Data Center Virtualization Design 2023(VCAP-DCV Design 2023)	
後續推薦課程	VSTW : VMware vSphere疑難排除課程	

VSOS	<h2>VMware vSphere最佳化及監測</h2> <p>VMware vSphere : Optimize and Scale [V7]</p> <p>時數：35小時 費用：84,400元 點數：25點 教材：VMware原廠電子教材</p>	
適合對象	資深系統管理員、系統工程師和系統整合商	
預備知識	參加本課程前必須具備下列其中一項先決條件： <ul style="list-style-type: none"> 了解ICM：VMware vSphere安裝及設定管理課程[V7]中介紹的概念 具備使用ESXi和vCenter Server的同等知識與管理經驗 Experience with working at the command line is highly recommended.	
課程目標	<p>This five-day course teaches you advanced skills for configuring and maintaining a highly available and scalable virtual infrastructure. Through a mix of lecture and hands-on labs, you configure and optimize the VMware vSphere® 7 features that build a foundation for a truly scalable infrastructure, and you discuss when and where these features have the greatest effect.</p> <p>Attend this course to deepen your understanding of vSphere and learn how its advanced features and controls can benefit your organization. As an exclusive benefit, those who participate in this course will receive additional premium recorded lecture material on vSphere security.</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. Configure and manage vSphere networking and storage for a large and sophisticated enterprise 2. Use VMware vSphere® Client™ to manage certificates 3. Use Identity Federation to configure VMware vCenter Server® to use external identity sources 4. Use VMware vSphere® Trust Authority™ to secure the infrastructure for encrypted VMs 5. Use host profiles to manage VMware ESXi™ host compliance 6. Create and manage a content library for deploying virtual machines 7. Manage VM resource usage with resource pools 8. Monitor and analyze key performance indicators for compute, storage, and networking resources for ESXi hosts 9. Optimize the performance in the vSphere environment, including vCenter Server 	
備註事項	此課程可協助您取得下列認證：VMware Certified Professional - Data Center Virtualization 2023(VCP-DCV 2023)	
後續推薦課程	VSDW：VMware vSphere設計規劃課程	

VSTW	<h2>VMware vSphere疑難排除課程</h2> <p>VMware vSphere : Troubleshooting [V7]</p> <p>時數：35小時 費用：84,400元 點數：25點 教材：VMware原廠電子教材</p>	
適合對象	系統管理員、系統整合人員	
預備知識	<p>This course requires completion of one of the following prerequisites：</p> <ul style="list-style-type: none"> VMware vSphere：Fast Track [V6.x] or [V7] VMware vSphere：Install, Configure, Manage [V6.x] or [V7] VMware vSphere：Optimize and Scale [V6.x] or [V7] Equivalent knowledge and administration experience with ESXi and vCenter Server <p>Experience in working with a command-line interface is highly recommended.</p>	
課程目標	<p>This five-day, hands-on training course provides you with the advanced knowledge, skills, and abilities to achieve competence in troubleshooting the VMware vSphere® 7.x environment. This workshop increases your skill and competence in using the command-line interface, VMware vSphere® Client™, log files, and other tools to analyze and solve problems.</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. Introduce troubleshooting principles and procedures 2. Use command-line interfaces, log files, and the vSphere Client to diagnose and resolve problems in the vSphere environment 3. Explain the purpose of key vSphere log files 4. Identify networking problems based on reported symptoms, validate, and troubleshoot the reported problem, identify the root cause, and implement the appropriate resolution 5. Analyze storage failure scenarios using a logical troubleshooting methodology, identify the root cause, and apply the appropriate resolution to resolve the problem 6. Troubleshoot vSphere cluster failure scenarios and analyze possible causes 7. Diagnose common VMware vSphere® High Availability problems and provide solutions 8. Identify and validate VMware ESXi™ host and VMware vCenter Server® problems, analyze failure scenarios, and select the correct resolution 9. Troubleshoot virtual machine problems, including migration problems, snapshot problems, and connection problems 10. Troubleshoot performance problems with vSphere components 	
備註事項	此課程可協助您取得下列認證：VMware Certified Professional - Data Center Virtualization 2023(VCP-DCV 2023)	
後續推薦課程	VSTWAD：VMware vSphere進階疑難排除課程	

VSTWAD	<h2>VMware vSphere進階疑難排除課程</h2> <p>VMware vSphere : Advanced Troubleshooting [V6.7]</p> <p>時數：35小時 費用：84,400元 點數：25點 教材：VMware原廠電子教材</p>	
適合對象	1. Senior system administrators, experienced system administrators 2. Senior system integrators, experienced system integrators	
預備知識	<p>This course requires completion of one of the following prerequisites :</p> <ul style="list-style-type: none"> • VMware Certified Professional 6.5-Data Center Virtualization(VCP6.5-DCV) • ICM : VMware vSphere安裝及設定管理課程[V6.7] (with two years production experience) • VSOS : VMware vSphere最佳化及監測[V6.7] • VSTW : VMware vSphere疑難排除課程[V6.7] • VMware vSphere : Fast Track [V6.7] • Equivalent knowledge and administration experience with ESXi and vCenter Server <p>Experience in working with a command-line interface is highly recommended, as is completion of VSOS : VMware vSphere最佳化及監測[V6.7]</p>	
課程目標	<p>This five-day, intensive hands-on training workshop provides you with advanced knowledge, skills, and abilities to achieve competence in troubleshooting the VMware vSphere® 6.7 environment. This workshop is aimed at experienced system administrators and introduces methods and skills that use management command-line interfaces (CLIs) and VMware vSphere® Client™. This workshop focuses on investigating and resolving problems, analyzing log files to help you recognize log file entries that identify root causes, and configuring specific key vSphere features.</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. Use the command-line interface, log files, and vSphere Client to diagnose and resolve problems in the vSphere environment 2. Practice Linux commands that aid in the troubleshooting process 3. Analyze vSphere log files and determine the root cause of specific problems 4. Troubleshoot storage problems and apply the appropriate resolution to these problems 5. Troubleshoot and resolve networking problems 6. Troubleshoot virtual machine problems, including migration problems, snapshot problems, and connection problems 7. Identify VMware ESXi™ host and VMware vCenter Server® problems, analyze failure scenarios or misconfigurations, and rectify them 8. Troubleshoot performance problems with vSphere components and apply mitigations 9. Configure and manage the vSphere infrastructure to improve availability and operational stability 	

VSAAW	<h2>VMware vSphere進階管理實作</h2> <p>VMware vSphere : Advanced Administration Workshop [V7]</p> <p>時數：35小時 費用：84,400元 點數：25點 教材：VMware原廠電子教材</p>	
適合對象	1. 系統管理員 2. 系統工程師	
預備知識	<p>參加本課程前需要具備下列先決條件：</p> <ul style="list-style-type: none"> • 完成VSOS：VMware vSphere最佳化及監測(VMware vSphere: Optimize and Scale [V7])課程 • VMware Certified Professional – Data Center Virtualization (VCP-DCV)認證 • 具備Microsoft Windows或Linux作業系統的系統管理經驗 	
課程目標	<p>這門為期五天的課程提供實作訓練，以教導學生一系列的技能，從執行VMware vSphere® 7例行管理任務，到複雜的vSphere操作和設定皆涵蓋在內。您可透過實驗室活動，體驗VMBeans這家虛構公司面對的現實生活情況。這類情況可讓您體驗到正在建立及擴充虛擬基礎架構的公司所面臨的現實生活情況。</p> <p>此課程採用案例實作練習，不提供引導式逐步說明。為完成案例實作練習，您需要分析工作、研究，並推演需要的解決方案。課程中將提供參考資料與建議的說明文件。</p> <p>此項課程約有90%的時間著重於應用程式，並經由實驗室進行授課。該課程完全符合VMware Certified Advanced Professional - Data Center Virtualization Deploy測驗目標。</p> <p>課程結束後，您將能達成以下目標：</p> <ol style="list-style-type: none"> 1. 啟用叢集功能，並設定vSphere儲存和網路 2. 使用主機設定檔將主機設定作業自動化 3. 使用Cluster Quickstart建立啟用VMware vSAN™的叢集 4. 設定VMware vCenter Server®身分識別供應商 5. 針對主機連線與儲存連線進行疑難排解 6. 在vSphere元件上執行生命週期作業 7. 在vSphere與虛擬機上實作安全性強化指南 	

VRAICM	VMware vRealize Automation安裝及設定管理課程			VRAICM 
VMware vRealize Automation : Install, Configure, Manage [V8.X]				
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	負責設計和實作vRealize Automation且經驗豐富的系統管理員和系統整合員			
預備知識	參加本課程前需要先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：Fast Track[V6.x] 具備指令行工作經驗會有所幫助			
課程目標	<p>在這門為期五天的課程中，您會著重於了解如何安裝、設定與管理VMware vRealize® Automation™。您將了解如何運用vRealize Automation，在不同的資料中心和混合雲環境中自動化虛擬機、應用程式及個人化 IT 服務的交付。</p> <p>課程內容涵蓋如何管理內部部署系統和雲端服務，以及vRealize Automation Service Broker 如何能從多個雲端和平台將原生格式內容彙總到共用目錄中。您將了解如何使用VMware vRealize® Orchestrator™將 vRealize Automation 與其他系統銜接，以及如何使用vRealize Automation管理Kubernetes系統和運用其他系統。</p> <p>本課程會大量運用Hands-On Lab訓練。學生可以在為期5 天的課程中進行39項實機演練。</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. 說明雲端環境中的vRealize Automation架構與使用情境2. 管理VMware與協力廠商的虛擬和雲端基礎架構上的vRealize Automation實體3. 設定和管理雲端帳戶、專案、類別對應、映像對應、網路設定檔、儲存設定檔、磁區、標籤和服務4. 建立、修改、管理和部署藍圖5. 連接至Kubernetes叢集並管理映像和部署6. 使用cloudConfig自訂服務和虛擬機7. 設定和管理Service Broker8. 設定和管理ABX 動作、自訂屬性、事件中介式訂閱和VMware vRealize® Orchestrator™ 工作流程9. 與vRealize Orchestrator整合10. 使用VMware vRealize® Suite Lifecycle Manager™安裝vRealize Automation11. 說明雲端自動化服務(Cloud Assembly和Code Stream)12. 使用日誌記錄和CLI指令對vRealize Automation進行監控和疑難排解			
備註事項	此課程可協助您取得下列認證：VMware Certified Professional - Cloud Management and Automation 2023(VCP-CMA 2023)			
後續推薦課程	VSTW：VMware vSphere疑難排除課程			

VROICM		VMware vRealize Operations安裝及設定管理課程		
VMware vRealize Operations : Install, Configure, Manage [V8.X]				
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、實作和自訂vRealize Operations且經驗豐富的系統管理員、系統整合員和顧問			
預備知識	參加本課程前需要具備VMware vSphere®部署的系統管理經驗，或需要已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[V6.7]• VSOS：VMware vSphere最佳化及監測[V6.7]			
課程目標	<p>這門為期五天的課程涵蓋自訂警示、檢視、報告和控制面板等進階功能，並說明架構及部署VMware vRealize® 作業的不同方式。本課程會使用真實的使用情境解說憑證、容量概念和工作負載最佳化，並會涵蓋使用控制面板進行疑難排解，以及如何管理合規和設定等內容。課程也會涵蓋管理套件，例如用於或包含於SDDC Management Health Solution、Storage Devices Management Pack和AWS Management的項目。</p> <p>整體而言，本課程會解說如何使用和設定vRealize V8.X版本中的大部分新功能和增強功能。</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. 識別VMware vRealize® Operations™的功能與優勢2. 設計、部署vRealize Operations叢集並調整其規模3. 識別節點類型及其在vRealize Operations叢集內的角色4. 了解如何使用vRealize Operations元件來建立延展性與可用性5. 使用介面功能評估作業問題並進行疑難排解6. 建立符合環境運作需求的原則7. 了解最佳化資料中心效能、容量與成本的有效方式8. 使用警示與控制面板管理問題和設定，並進行疑難排解9. 使用Telegraf監控作業系統和應用程式10. 建立自訂警示定義、報告與檢視11. 使用控制面板建立畫布建立自訂控制面板12. 為控制面板設定小工具及其互動13. 建立超級指標14. 設定使用者與使用者群組，以控制對環境的存取15. 藉由新增管理套件與設定解決方案來延伸vRealize Operations的功能16. 使用自我監控控制面板監控vRealize Operations叢集的運作狀況			
後續推薦課程	VSTW：VMware vSphere疑難排除課程			

VHDM

VMware Horizon部署與管理課程

VMware Horizon 8 : Deploy and Manage [V8]

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

Operators, administrators, and architects for VMware Horizon should enroll in this course. These individuals are responsible for the creation, maintenance, and/or delivery of remote and virtual desktop services. Additional duties can include the implementation, support, and administration of an organization's end-user computing infrastructure.

預備知識

- Customers attending this course should have, at a minimum, the following skills :
- Use VMware vSphere® Web Client to view the state of virtual machines, datastores, and networks
 - Open a virtual machine console on VMware vCenter Server® and access the guest operating system
 - Create snapshots of virtual machines
 - Configure guest customization specifications
 - Modify virtual machine properties
 - Convert a virtual machine into a template
 - Deploy a virtual machine from a template
- Attendees should also have the following Microsoft Windows system administration experience :
- Configure Active Directory services, including DNS, DHCP, and time synchronization
 - Restrict user activities by implementing Group Policy objects
 - Configure Windows systems to enable Remote Desktop Connections
 - Build an ODBC connection to an SQL Server database

課程目標

VMware Horizon 8: Deploy and Manage is a five-day combination course of VMware Horizon 8: Skills for Virtual Desktop Management & VMware Horizon 8: Infrastructure Administration. This training collection gives you the hands-on skills to deliver virtual desktops and applications through a single virtual desktop infrastructure platform. You will build on your skills in configuring and managing VMware Horizon®8 through a combination of lecture and hands-on labs. You learn how to configure and deploy pools of virtual machines and how to provide a customized desktop environment to end-users. Additionally, you will learn how to install and configure a virtual desktop infrastructure platform. You learn how to install and configure VMware Horizon® Connection Server™, VMware Unified Access Gateway™, how to configure a load balancer for use with Horizon, and how to establish Cloud Pod Architecture.

課程結束後，您將能夠達成以下目標：

1. Recognize the features and benefits of Horizon
2. Use VMware vSphere® to create VMs to be used as desktops for Horizon
3. Create and optimize Windows VMs to create Horizon desktops
4. Install and configure Horizon Agent on Horizon desktop
5. Configure and manage the VMware Horizon® Client™ systems and connect the client to a VMware Horizon desktop
6. Configure, manage, and entitle desktop pools of full VMs
7. Configure, manage, and entitle pools of instant-clone desktops
8. Create and use Remote Desktop Services (RDS) desktops and application pools
9. Monitor the Horizon environment using Horizon Console Dashboard and Horizon Help Desk Tool
10. Identify Horizon Connection Server installation, architecture, and requirements
11. Describe the authentication and certification options for a Horizon environment
12. Recognize the integration process and benefits of VMware Workspace ONE® Access™ and Horizon 8
13. Discuss performance and scalability options available in Horizon 8
14. Describe different security options for the Horizon environment

備註事項

此課程可協助您取得下列認證：VMware Certified Professional - Desktop and Mobility 2023(VCP-DTM 2023)

後續推薦課程

VHTB：VMware Horizon疑難排除課程

VHTB

VMware Horizon疑難排除課程

VMware Horizon 8 : Troubleshooting Bootcamp

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

1. New or junior administrators and operators; system managers accountable for staffing and training Horizon operators and administrators.
2. Experienced system operators, administrators, and integrators responsible for managing and maintaining VMware Horizon solutions

預備知識

- 參加本課程前需要完成下列課程：
- VHDM：VMware Horizon部署與管理課程[V8]
- This course also requires knowledge of the following :
- Using VMware vSphere® Web Client to view the state of virtual machines, datastores, and networks
 - Opening a virtual machine console on VMware vCenter Server® and accessing the guest operating system
 - Configuring Active Directory services, including DNS, DHCP, and time synchronization
 - Restricting user activities by implementing Group Policy objects
 - Configuring Windows systems to enable Remote Desktop Connections
 - Building an ODBC connection to an SQL Server database

課程目標


This five-day course builds your skills in resolving common issues that occur in a VMware Horizon® environment. You engage in a series of lab exercises to bring existing environment issues to resolution. The exercises mirror real-world troubleshooting use cases. These exercises equip learners with the knowledge and practical skills to manage typical challenges faced by virtual desktop administrators and operators and provides you with the advanced knowledge, skills, and abilities to troubleshoot VMware Horizon® 8 infrastructure related issues. This workshop teaches the required skill and competence for troubleshooting VMware Horizon® Connection Server™, VMware Unified Access Gateway™, protocols, connections, and certificates.

課程結束後，您將能夠達成以下目標：


1. Implement a structured approach to troubleshooting
2. Resolve common issues that occur in a VMware Horizon environment
3. Troubleshoot issues with linked and instant clones
4. Configure the Windows client
5. Identify the correct log level for gathering logs
6. Optimize protocols for best end-user experience
7. Discuss Horizon Connection Server advanced configurations
8. List troubleshooting techniques for Horizon Connection Server common issues
9. Interpret Horizon 8 Connection Server logs
10. Identify Unified Access Gateway configuration and certificate issues
11. List troubleshooting steps for Unified Access Gateway common issues
12. Describe BLAST configuration verification using logs and settings
13. Describe BLAST optimization recommendations for different use cases
14. Describe Horizon 8 Connections and how to troubleshoot related issues
15. Describe Horizon 8 certificates
16. List troubleshooting steps for common issues with Horizon 8 certificates
17. Leverage Horizon infrastructure troubleshooting steps to resolve issues

SRM	<h2>VMware Site Recovery Manager-SRM管理及設定</h2> <p>VMware Site Recovery Manager : Install, Configure, Manage [V8.2]</p> <p>時數：14小時 費用：30,600元 點數：8點 教材：VMware原廠電子教材</p>	
適合對象	負責部署或管理Site Recovery Manager的vSphere管理員、架構設計師、系統工程師和系統整合商	
預備知識	需要先完成以下任一課程： <ul style="list-style-type: none"> • ICM：VMware vSphere安裝及設定管理課程[V6.x] • VMware vSphere：Fast Track [V6.x] • WhatsNew：VMware vSphere新增功能[V5.5 to V6.x] • VSTW：VMware vSphere疑難排除課程[V6.x] 或具備使用VMware ESXi™和VMware vCenter Server™的同等知識與管理經驗	
課程目標	<p>This two-day, hands-on training course gives experienced VMware vSphere® administrators the knowledge to install, configure, and manage VMware Site Recovery Manager™ 8.2. This course also shows you how to write and test disaster recovery plans that use Site Recovery Manager.</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. Summarize the components of Site Recovery Manager architecture 2. Deploy and configure the Site Recovery Manager appliance 3. Describe the principal disaster recovery topologies that are used with Site Recovery Manager 4. Configure inventory and resource mappings 5. Describe the storage replication options that are used with Site Recovery Manager 6. Configure Site Recovery Manager to leverage array-based replication 7. Describe VMware vSphere® Replication™ functionality 8. Describe the vSphere Replication architecture 9. Deploy and configure vSphere Replication for use with Site Recovery Manager 10. Build Site Recovery Manager protection groups based on vSphere Replication 11. Build, edit, execute, test, and remove a recovery plan 12. Perform a planned migration 13. Perform reprotect and failback using Site Recovery Manager and vSphere Replication 	
後續推薦課程	VSTW：VMware vSphere疑難排除課程	

VSANMO	<h2>VMware vSAN管理與操作課程</h2> <p>VMware vSAN : Management and Operations [V7]</p> <p>時數：21小時 費用：46,000元 點數：13.5點 教材：VMware原廠電子教材</p>	
適合對象	負責VMware vSAN 7生產支援與管理工作的儲存和虛擬基礎架構管理員	
預備知識	參加本課程前需要先完成下列課程： <ul style="list-style-type: none"> • ICM：VMware vSphere安裝及設定管理課程[V7]或同等知識 	
課程目標	<p>在這門為期三天的課程中，您會學到如何管理與操作VMware vSAN™ 7。本課程的重點是培養執行常見次要作業 vSAN管理員工作時所需的技能，例如vSAN 節點管理、叢集維護、安全性作業與進階vSAN叢集作業等。完成講師指導的活動和Hands-On Lab練習後，您也會獲得實務經驗。</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. 定義與vSAN節點管理相關的工作 2. 使用VMware vSphere Lifecycle Manager™更新及升級vSAN 3. 說明vSAN的彈性與資料可用性功能 4. 重新設定vSAN儲存原則，並觀察全叢集影響 5. 執行vSAN叢集水平擴充和垂直擴充作業 6. 說明常見的vSAN叢集維護作業 7. 控制vSAN重新同步作業 8. 管理雙節點叢集與延伸叢集進階作業 9. 設定vSAN儲存效率與回收功能 10. 使用VMware Skyline™ Health監控叢集運作狀況、效能與儲存容量 11. 說明vSAN的安全性作業 12. 針對雲端原生應用程式設定vSAN Direct 13. 設定遠端vSAN資料儲存區與vSAN原生檔案服務 	
後續推薦課程	VSOS：VMware vSphere最佳化及監測	


VSANTW	<h2>VMware vSAN疑難排除課程</h2> <p>VMware vSAN : Troubleshooting [V7]</p> <p>時數：14小時 費用：32,000元 點數：8點 教材：VMware原廠電子教材</p>	
適合對象	Storage and virtual infrastructure administrators who want to be able to perform initial troubleshooting on their software- defined storage with vSAN	
預備知識	<ul style="list-style-type: none"> • Understanding of concepts presented in the VMware vSphere : Install, Configure, Manage course • Completion of the VMware vSAN : Deploy and Manage course or equivalent experience with vSAN • Experience working with command-line interfaces 	
課程目標	<p>In this two-day course, you focus on learning the tools and skills necessary to troubleshoot VMware vSAN™ 7 implementations. You gain practical experience with vSAN troubleshooting concepts through the completion of instructor- led activities and hands-on lab exercises.</p> <p>課程結束後，您將能達成以下目標：</p> <ol style="list-style-type: none"> 1. Describe the architectural components of vSAN and their roles 2. Explain how the components interact with each other 3. Explain the differences between object and component states 4. Describe how to use Skyline Health to investigate and help determine failure conditions 5. Explain how to use the command-line tools to help determine failure conditions 	
後續推薦課程	VHDM：VMware Horizon部署與管理課程	

NSX-TICM		VMware NSX-T安裝及設定管理課程		<div>NSX-TICM</div> 	
VMware NSX-T Data Center : Install, Configure, Manage [V3.X]					
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	Experienced system or network administrators				
預備知識	<ul style="list-style-type: none">• Good understanding of TCP/IP services and network security and working experience with firewalls• Working experience with enterprise switching and routing Solid understanding of concepts presented in the following courses : <ul style="list-style-type: none">• VMware Data Center Virtualization Fundamentals• VMware Introduction to Network Virtualization with NSX• VMware Network Virtualization Fundamentals				
課程目標	<p>This five-day, fast-paced course provides comprehensive training on how to install, configure, and manage a VMware NSX-T™ Data Center environment. This course covers key NSX-T Data Center features and functionality offered in the NSX-T Data Center 3.X release, including the overall infrastructure, logical switching, logical routing, networking and security services, micro-segmentation and firewalls, and more. Access to a software-defined data center environment is provided through hands-on labs to reinforce the skills and concepts presented in the course.</p> <p>課程結束後，您將能達成以下目標：</p> <ol style="list-style-type: none">1. Describe VMware Virtual Cloud Network and the NSX-T Data Center architecture2. Describe the NSX-T Data Center components and main functions3. Explain the NSX-T Data Center key features and benefits4. Deploy and configure NSX-T Data Center infrastructure5. Configure layer 2 logical switching and bridging6. Explain the tiered routing architecture and configure gateways7. Configure advanced services such as VPN and load balancing8. Describe the NSX-T Data Center security model with micro-segmentation9. Configure Distributed Firewall and Gateway Firewall to protect east-west and north-south traffic10. Explain advanced security enforcement with URL analysis, IDS, and partner service insertion11. Integrate VMware Identity Manager™ or LDAP with NSX-T Data Center and configure role-based access control12. Describe NSX-T Data Center Federation use-cases and architecture for switching, routing, and security				
備註事項	此課程可協助您取得下列認證：VMware Certified Professional - Network Virtualization 2023(VCP-NV 2023)				


NSX-TTO		VMware NSX-T Data Center疑難排除與操作課程		NSX-TTO 	
VMware NSX-T Data Center : Troubleshooting and Operations [V3.X]					
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	<div>1. Experienced system administrators and network administrators</div> <div>2. Network and security professionals who work with enterprise and data center networks</div>				
預備知識	<div>• Before taking this course, you should have completed the VMware NSX-T Data Center : Install, Configure, Manage [V3.X] course.</div> <div>You should also have the following understanding or knowledge :</div> <div>• Good understanding of TCP/IP services and protocols</div> <div>• Knowledge and working experience of computer networking, including :<div>• Switching and routing technologies (L2-L3)</div><div>• Network and application delivery services (L4-L7)</div></div> <div>• Knowledge and working experience of VMware vSphere® environments and KVM-based environments The VMware Certified Professional – Network Virtualization (2020) certification is recommended.</div>				
課程目標	<div>This five-day, hands-on training course provides you with the advanced knowledge, skills, and tools to achieve competency in operating and troubleshooting the VMware NSX-TTM Data Center environment. In this course, you are introduced to workflows of various networking and security constructs along with several operational and troubleshooting tools that help you manage and troubleshoot your NSX-T Data Center. In addition, you are presented with various types of technical problems, which you will identify, analyze, and solve through a systematic process.</div> <div>課程結束後，您將能達成以下目標：</div> <div>1. Use the native tools available in NSX-T Data Center to identify and troubleshoot the problems related to NSX-T Data Center environment</div> <div>2. Use VMware vRealize® Log Insight™ and VMware vRealize® Network Insight™ to identify and troubleshoot the problems related to the NSX-T Data Center environment</div> <div>3. Explain the NSX-T Data Center infrastructure components and the communications between them</div> <div>4. Identify, analyze, and troubleshoot the following problems related to the NSX-T Data Center :<div>• Management, control, data planes, infrastructure preparation</div><div>• Logical switching and logical routing</div></div> <div>5. Identify, analyze, and troubleshoot network security problems related to the NSX-T Data Center Distributed and Gateway firewalls</div> <div>6. Identify, analyze, and troubleshoot problems related to VPN and load balancer services</div> <div>7. Identify the components and packet flows involved in the NSX-T Data Center datapath and troubleshoot various problems that could occur in the datapath</div>				

NSX-TDD	<h2>VMware NSX-T Data Center設計規劃課程</h2> <p>VMware NSX-T Data Center : Design [V3.X]</p> <p>時數：35小時 費用：84,400元 點數：25點 教材：VMware原廠電子教材</p>	
適合對象	Network and security architects and consultants who design the enterprise and data center networks and NSX environments	
預備知識	<p>Before taking this course, you should have completed the following course :</p> <ul style="list-style-type: none"> • VMware NSX-T安裝及設定管理課程 [V3.X] <p>You should also have the understanding or knowledge of these technologies :</p> <ul style="list-style-type: none"> • Good understanding of TCP/IP services and protocols • Knowledge and working experience of computer networking, including : <ul style="list-style-type: none"> • Switching and routing technologies • Network and application delivery services • Knowledge and working experience with VMware vSphere environments and KVM-based environments 	
課程目標	<p>This five-day course provides comprehensive training on considerations and practices to design a VMware NSX-T™ Data Center environment as part of a software-defined data center strategy. This course prepares the student with the skills to lead the design of NSX-T Data Center offered in the NSX-T Data Center 3.X release, including design principles, processes, and frameworks. The student gains a deeper understanding of NSX-T Data Center architecture and how it can be leveraged to create solutions to address the customer's business needs.</p> <p>課程結束後，您將能達成以下目標：</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 NSX-T Data Center 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. Analyze alternative design choices for risk mitigation 10. Understand the design and support for NSX-T Data Center infrastructure in a multi data center infrastructure 	

WODM	<h2>VMware Workspace ONE部署與管理課程</h2> <p>VMware Workspace ONE : Deploy and Manage [V21.X]</p> <p>時數：35小時 費用：69,900元 點數：20.5點 教材：VMware原廠電子教材</p>	
適合對象	Workspace ONE UEM and Workspace ONE Access operators and administrators, account managers, solutions architects, solutions engineers, sales engineers, and consultants	
課程目標	<p>In this five-day course, you learn how to apply the fundamental techniques for launching and maintaining an intelligence-driven, multi-platform endpoint management solution with VMware Workspace ONE® UEM. Through a combination of hands-on labs, simulations, and interactive lectures, you will configure and manage the endpoint lifecycle. After the course, you will have the foundational knowledge for effectively implementing Workspace ONE UEM.</p> <p>Also, you learn how to apply the fundamental techniques for integrating VMware Workspace ONE® Access™ with Workspace ONE UEM to securely distribute business-critical applications from any device and to configure access management controls. Through a combination of hands-on labs, simulations, and interactive lectures, you configure Workspace ONE Access, enterprise, and productivity integrations. You will leave with a foundational understanding of how Workspace ONE uses various authentication methods and protocols to determine user access permissions and enable single sign-on. Overall, the course lays out the foundational principles of identity and access management.</p> <p>課程結束後，您將能達成以下目標：</p> <ol style="list-style-type: none"> 1. Explain the general features and functionality enabled with Workspace ONE UEM 2. Summarize essential Workspace ONE administrative functions 3. Summarize and implement shared Workspace ONE integrations 4. Explain the integration of Workspace ONE UEM with directory services 5. Explain and deploy Workspace ONE edge services 6. Onboard device endpoints into Workspace ONE UEM 7. Securely deploy configurations to Workspace ONE UEM managed devices 8. Maintain environment and device fleet health 9. Deploy applications to Workspace ONE UEM managed devices 10. Analyze a Workspace ONE UEM deployment 11. Explain the general features and functionality enabled with Workspace ONE Access 12. Integrate Workspace ONE UEM with Workspace ONE Access 13. Summarize and implement Workspace ONE productivity services into the digital workspace environment 14. Explain the methods for enabling mobile single sign-on for mobile endpoints managed in the digital workspace 15. Ready and configure Workspace ONE Access to support SAML 2.0 for federated authentication across the workforce 	
後續推薦課程	VHDM : VMware Horizon部署與管理課程	

VKFCO VMware Kubernetes Fundamentals and Cluster Operations		
VMware Kubernetes Fundamentals and Cluster Operations		
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	Anyone who is preparing to build and run Kubernetes clusters	
預備知識	<ul style="list-style-type: none">Linux concepts and command line proficiencyGeneral networking proficiency	
課程目標	<p>This four-day course is the first step in learning about Containers and Kubernetes Fundamentals and Cluster Operations. Through a series of lectures and lab exercises, the fundamental concepts of containers and Kubernetes are presented and put to practice by containerizing and deploying a two-tier application into Kubernetes.</p> <p>課程結束後，您將能達成以下目標：</p> <ol style="list-style-type: none">1. Build, test, and publish Docker container images2. Become familiar with YAML files that define Kubernetes objects3. Understand Kubernetes core user-facing concepts, including pods, services, and deployments4. Use kubectl, the Kubernetes CLI, and become familiar with its commands and options5. Understand the architecture of Kubernetes (Control plane and its components, worker nodes, and kubelet)6. Learn how to troubleshoot issues with deployments on Kubernetes7. Apply resource requests, limits, and probes to deployments8. Manage dynamic application configuration using ConfigMaps and Secrets9. Deploy other workloads, including DaemonSets, Jobs, and CronJobs10. Learn about user-facing security using SecurityContext, RBAC, and NetworkPolicies	
後續推薦課程	VTKGICM：VMware Tanzu Kubernetes Grid安裝及設定管理課程	

VCBPCM		VMware Carbon Black Portfolio設定與管理課程			
VMware Carbon Black Portfolio：Configure and Manage					
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	System administrators and security operations personnel (including analysts and managers)				
預備知識	System administration experience on Microsoft Windows or Linux operating systems				
課程目標	This five-day course teaches you how to install, configure, and manage the VMware Carbon Black® Portfolio suite of products, which include：				
	<ul style="list-style-type: none">• VMware Carbon Black® App Control™ Administrator• VMware Carbon Black® EDR™ Administrator• VMware Carbon Black Cloud Endpoint™ Standard• VMware Carbon Black® Cloud Audit and Remediation• VMware Carbon Black® Cloud Enterprise EDR™				
	You learn how to use the capabilities of the products according to the organization's security posture and organizational policies. This course provides an in-depth, technical understanding of the Carbon Black Portfolio through comprehensive coursework, hands-on labs, and scenario-based exercises.				
	課程結束後，您將能達成以下目標：				
	<div><div><div>1. Describe the components and capabilities of Carbon Black App Control</div><div>2. Manage and configure the Carbon Black App Control server based on organizational requirements</div><div>3. Create policies to control enforcement levels and agent functionality</div><div>4. Implement rules to support the organization's security posture</div><div>5. Use the Carbon Black App Control tools to understand agent and server data</div><div>6. Describe the components and capabilities of the Carbon Black EDR server</div><div>7. Identify the architecture and data flows for Carbon Black EDR communication</div><div>8. Describe the Carbon Black EDR server installation process</div><div>9. Manage and configure the Carbon Black EDR server based on organizational requirements</div><div>10. Perform searches across process and binary information</div><div>11. Implement threat intelligence feeds and create watchlists for automated notifications</div><div>12. Describe the different response capabilities available from the Carbon Black EDR server</div><div>13. Use investigations to correlate data between multiple processes</div><div>14. Describe the components and capabilities of Carbon Black Cloud Endpoint Standard</div><div>15. Identify the architecture and data flows for VMware Carbon Black Cloud products</div><div>16. Perform searches across endpoint data to discover suspicious behavior</div><div>17. Manage the Carbon Black Cloud Endpoint Standard rules based on organizational requirements</div></div><div><div>18. Configure rules to address common threats</div><div>19. Evaluate the impact of rules on endpoints</div><div>20. Process and respond to alerts</div><div>21. Describe the different response capabilities available from VMware Carbon Black Cloud</div><div>22. Describe the components and capabilities of Carbon Black Cloud Enterprise EDR</div><div>23. Perform searches across endpoint data to discover suspicious behavior</div><div>24. Manage watchlists to augment the functionality of Carbon Black Cloud Enterprise EDR</div><div>25. Create custom watchlists to detect suspicious activity in your environment</div><div>26. Describe the process for responding to alerts in Carbon Black Cloud Enterprise EDR</div><div>27. Discover malicious activity within Carbon Black Cloud Enterprise EDR</div><div>28. Describe the different response capabilities available from VMware Carbon Black Cloud</div><div>29. Describe the components and capabilities of Carbon Black Cloud Audit and Remediation</div><div>30. Describe the use case and functionality of recommended queries</div><div>31. Achieve a basic knowledge of SQL</div><div>32. Describe the elements of a SQL query</div><div>33. Evaluate the filtering options for queries</div><div>34. Perform basic SQL queries on endpoints</div><div>35. Describe the different response capabilities available from VMware Carbon Black Cloud</div></div></div>				

VTKGICM	<h2>VMware Tanzu Kubernetes Grid安裝及設定管理課程</h2> <p>VMware Tanzu Kubernetes Grid : Install, Configure, Manage[V1.X]</p> <p>時數：21小時 費用：46,000元 點數：13.5點 教材：VMware原廠電子教材</p> 
適合對象	Platform operators who are responsible for deploying and managing Tanzu Kubernetes clusters
預備知識	<ol style="list-style-type: none"> 1. Understanding of Kubernetes and the Kubernetes cluster architecture 2. Experience working with the Kubernetes API
課程目標	<p>During this three-day course, you focus on installing VMware Tanzu™ Kubernetes Grid™ on a VMware vSphere® environment and then provisioning and managing Tanzu Kubernetes clusters. The concepts learned in this course should be transferable for users who need to install Tanzu Kubernetes Grid on other supported clouds.</p> <p>課程結束後，您將能達成以下目標：</p> <ol style="list-style-type: none"> 1. Describe Tanzu Kubernetes Grid 2. Differentiate between the Kubernetes life cycle management options in the VMware Tanzu portfolio 3. Explain how to prepare a vSphere environment to install Tanzu Kubernetes Grid 4. Describe how to initialize a Tanzu Kubernetes Grid instance 5. Detail how to create Tanzu Kubernetes clusters 6. Explain how to deploy the Tanzu Kubernetes Grid extensions on a Tanzu Kubernetes cluster 7. Describe how to troubleshoot a Tanzu Kubernetes Grid instance
後續推薦課程	VTMCMO : VMware Tanzu Mission Control管理與操作課程

VTMCMO	<h2>VMware Tanzu Mission Control管理與操作課程</h2> <p>VMware Tanzu Mission Control : Management and Operations 202X</p> <p>時數：7小時 費用：18,900元 點數：5點 教材：VMware原廠電子教材</p> 
適合對象	Operators and application owners who are responsible for deploying and managing policies for multiple Kubernetes clusters across on-premises and public cloud environments
預備知識	<ul style="list-style-type: none"> • Experience deploying and managing multiple Kubernetes clusters • Experience with Kubernetes RBAC and network policies • The provisioning lesson in the course relies on VMware Tanzu Kubernetes Grid, so either of the following courses are recommended : <ul style="list-style-type: none"> • VMware vSphere with Tanzu : Deploy and Manage [V7] • VMware Tanzu Kubernetes Grid : Install, Configure, Manage [V1.0]
課程目標	<p>During this one-day course, you focus on using VMware Tanzu™ Mission Control™ to provision and manage Kubernetes clusters. The course covers how to apply access, image registry, and network policies to clusters. For cluster provisioning, the course focuses on deploying Kubernetes clusters on VMware vSphere with Tanzu. Given the abstractions of VMware Tanzu Mission Control, the learnings should be transferrable to public cloud.</p> <p>課程結束後，您將能達成以下目標：</p> <ol style="list-style-type: none"> 1. Describe the Tanzu Mission Control architecture 2. Configure user and group access 3. Create access, image registry, and network policies 4. Connect your on-premises vSphere with Tanzu Supervisor cluster to VMware Tanzu Mission Control 5. Create and manage Tanzu Kubernetes clusters 6. Monitor cluster health and perform cluster inspections