

VMware 課程簡介

☑ 資料中心虛擬化 ☑ 雲端運算虛擬化 ☑ 桌面虛擬化 ☑ 網路虛擬化 ☑ Kubernetes ☑ Tanzu

📄 VCP-DCV 2024認證

ICM VMware vSphere安裝及設定管理課程	
VMware vSphere : Install, Configure, 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	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® 8, which includes VMware ESXi® 8 and VMware vSphere® 8. This course prepares you to administer a vSphere infrastructure for an organization of any size.</p> <p>This course is the foundation for most 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. Install and configure ESXi hosts 2. Deploy and configure vCenter 3. Use the vSphere Client to create the vCenter inventory and assign roles to vCenter users 4. Create virtual networks using vSphere standard switches and distributed switches 5. Create and configure datastores using storage technologies supported by vSphere 6. Use the vSphere® Client™ to create virtual machines, templates, clones, and snapshots 7. Create content libraries for managing templates and deploying virtual machines 8. Manage virtual machine resource allocation 9. Migrate virtual machines with VMware vSphere® vMotion® and VMware vSphere® Storage vMotion® 10. Create and configure a vSphere cluster that is enabled with VMware vSphere® High Availability and VMware vSphere® Distributed Resource Scheduler™ 11. Manage the life cycle of vSphere to keep vCenter, ESXi hosts, and virtual machines up to date
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 2024(VCP-DCV 2024) 2. 如要取得VCP-DCV 2024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 2024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2V0-21.23 · 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	VSOSS：VMware vSphere操作與擴展及安全課程



WhatsNew VMware vSphere新增功能	
VMware vSphere : What's New [V8]	
時數：14小時 費用：30,600元 點數：8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 who want to deploy vSphere 8.0 into their existing vSphere environment.
預備知識	<p>This course requires completion of one of the following courses, or equivalent knowledge, plus administration experience with ESXi and vCenter Server :</p> <ul style="list-style-type: none"> • VMware vSphere: Install, Configure, Manage • VMware vSphere : Operate, Scale, and Secure • VMware vSphere: Fast Track • VMware vSphere: Troubleshooting • Experience with working at the command line is helpful
課程目標	<p>In this 2-day course, you will explore the new features and enhancements in VMware vCenter® 8.0, VMware ESXi™ 8.0, and VMware vSphere® 8.0. Through use-case scenarios, demonstrations, labs, and simulations, you develop skills to implement and configure vSphere 8.0.</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 8.0 2. Describe the purpose of VMware vSphere® Distributed Services Engine™ 3. Use VMware vSphere® Lifecycle Manager™ to update an ESXi host that has a data processing unit (DPU) 4. Identify devices supported for system storage on ESXi 8.0 5. Recognize enhancements to VM hardware compatibility settings 6. Recognize changes related to vSphere Memory Monitoring and Remediation that improve VMware vSphere® Distributed Resource Scheduler™ 7. Describe the new virtual non-uniform memory access (vNUMA) topology settings in the VMware vSphere® Client™ 8. Use vSphere Lifecycle Manager and VMware vSphere® Auto Deploy™ to manage configuration specifications for hosts in a cluster 9. Recognize vSphere Lifecycle Manager and Auto Deploy enhancements in vSphere 8.0 10. Describe new cluster management features in Tanzu Kubernetes Grid 2.0 11. Recognize the cloud benefits that VMware vSphere+ brings to on-premises workloads 12. Identify discontinued or deprecated features and technology in vSphere 8.0
後續推薦課程	VSDW：VMware vSphere設計規劃課程



VSDW VMware vSphere設計規劃課程 	
VMware vSphere : Design [V8] 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 • VSOSS : VMware vSphere操作與擴展及安全課程
課程目標	This three-day training course equips you with the knowledge, skills, and abilities to design a VMware vSphere® 8 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. 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. 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 2024 (VCAP-DCV Design 2024)
後續推薦課程	VSTW : VMware vSphere疑難排除課程

VSOSS VMware vSphere操作與擴展及安全課程 	
VMware vSphere : Operate, Scale, and Secure [V8] 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	資深系統管理員、系統工程師和系統整合商
預備知識	This course requires the following : <ul style="list-style-type: none"> • Attend VMware vSphere : Install, Configure, Manage [V8] • Equivalent knowledge and administration experience with ESXi and vCenter • Experience with working at the command line is highly recommended
課程目標	This five-day course teaches you advanced skills for configuring and maintaining a highly available and scalable virtual infrastructure. Through a mix of lectures and hands-on labs, you configure and optimize the VMware vSphere® 8 features that build a foundation for a truly scalable infrastructure. Also, you discuss when and where these features have the greatest effect. Attend this course to deepen your understanding of vSphere and learn how vSphere advanced features and controls can benefit your organization. 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 a VMware Tools Repository 2. Configure vSphere Replication and recover replicated VMs 3. Manage VM resource usage with resource pools 4. Configure and manage vSphere networking and storage for a large and sophisticated enterprise 5. Configure VMware vCenter Server® High Availability 6. Use host profiles to manage VMware ESXi™ 8 host compliance 7. Use the vSphere Client and the command line to manage certificates 8. Monitor the vCenter, ESXi, and VMs performance in the vSphere client 9. Secure VMware vCenter® 8, ESXi, and VMs in your vSphere environment 10. Use Identity Federation to configure the vCenter to use external identity sources 11. Use VMware vSphere® Trust Authority™ secure the infrastructure for encrypted VMs
備註事項	此課程可協助您取得下列認證：VMware Certified Professional - Data Center Virtualization 2024 (VCP-DCV 2024)
後續推薦課程	VSDW : VMware vSphere設計規劃課程

VSTW	<h2 style="margin: 0;">VMware vSphere疑難排除課程</h2> <p style="margin: 0;">VMware vSphere : Troubleshooting [V8]</p> <p style="margin: 0;">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	This course requires completion of one the following courses : <ul style="list-style-type: none"> • VCP-DCV certification • VMware vSphere : Install, Configure, Manage • VMware vSphere : Operate, Scale and Secure 	
課程目標	This five-day training course provides you with the knowledge, skills, and abilities to achieve competence in troubleshooting the VMware vSphere® 8 environment. This course increases your skill level and competence in using the command-line interface, VMware vSphere® Client™, log files, and other tools to analyze and solve problems. 課程結束後，您將能夠達成以下目標： <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 common vSphere log files 4. Identify networking issues based on reported symptoms 5. Validate and troubleshoot the reported networking issue 6. Identify the root cause of networking issue 7. Implement the appropriate resolution to recover from networking problems 8. Analyze storage failure scenarios using a logical troubleshooting methodology 9. Identify the root cause of storage failure 10. Apply the appropriate resolution to resolve storage failure problems 11. Troubleshoot vSphere cluster failure scenarios 12. Analyze possible vSphere cluster failure causes 13. Diagnose common VMware vSphere® High Availability problems and provide solutions 14. Identify and validate VMware ESXi™ host and VMware vCenter® problems 15. Analyze failure scenarios of ESXi host and vCenter problems 16. Select the correct resolution for the failure of ESXi host and vCenter problems 17. Troubleshoot virtual machine problems, including migration problems, snapshot problems, and connection problems 18. 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 2024 (VCP-DCV 2024)	

VSAAW	<h2 style="margin: 0;">VMware vSphere進階管理實作</h2> <p style="margin: 0;">VMware vSphere : Advanced Administration Workshop [V7]</p> <p style="margin: 0;">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	參加本課程前需要具備下列先決條件： <ul style="list-style-type: none"> • 完成VSOSS：VMware vSphere操作與擴展及安全課程 • 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	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術，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境。 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。 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。 課程結束後，您將能達成以下目標： <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 	

VAAICM VMware Aria Automation安裝及設定管理課程		VAAICM
VMware Aria 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	System administrators and system integrators responsible for designing, implementing, and managing VMware Aria Automation	
預備知識	<p>This course requires the students to have strong knowledge on basic VMware vSphere concepts. Students should be able to perform the following tasks with no assistance or guidance before enrolling in this course:</p> <ul style="list-style-type: none"> • Create VMware vCenter® objects, such as data centers and folders • Create a virtual machine using a wizard or a template • Modify a virtual machine's hardware • Navigate through the vSphere Client 	
課程目標	<p>During this five-day course, you focus on installing, configuring, and managing VMware Aria Automation™ 8.X on- premises systems. You learn how it can be used to automate the delivery of virtual machines, applications, and personalized IT services across different data centers and hybrid cloud environments. The course covers how VMware Aria Automation Consumption™ can aggregate content in native formats from multiple clouds and platforms into a common catalog.</p> <p>This course also covers interfacing VMware Aria Automation with other systems using VMware Aria Orchestrator and how to use VMware Aria Automation to manage Kubernetes systems and leverage other systems. In this course, you will use VMware Aria Automation Config™ as a configuration management tool.</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 VMware Aria Automation architecture and use cases in cloud environments 2. Describe the key services of VMware Cloud Automation Services™ 3. Manage VMware Aria Automation entities on VMware and third-party virtual and cloud infrastructures 4. Install VMware Aria Automation with VMware Aria Suite Lifecycle 5. Configure and manage cloud accounts, projects, flavor mappings, image mappings, network profiles, storage profiles, volumes, tags, and services 6. Create, modify, manage, and deploy VMware Aria Automation Templates 7. Customize services and virtual machines with cloudConfig and cloudbase-init 8. Configure and manage VMware Aria Automation Consumption 9. Configure and manage ABX actions, custom properties, event broker subscriptions, and VMware Aria Automation Orchestrator workflows 10. Connect to a Kubernetes cluster and manage namespaces 11. Use VMware Aria Automation Config to configure and deploy systems 12. Use logs and CLI commands to monitor and troubleshoot VMware Aria Automation 	
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		VROICM
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	<p>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：</p> <ul style="list-style-type: none"> • ICM : VMware vSphere安裝及設定管理課程 • VSOSS : VMware vSphere操作與擴展及安全課程 	
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 2024(VCP-DTM 2024)

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

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]

預備知識

- 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：

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|---|--|
| <ol style="list-style-type: none"> 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 | <ol style="list-style-type: none"> 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 |
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SRM	<h2>VMware Site Recovery Manager-SRM管理及設定</h2> <p>VMware Site Recovery Manager : Install, Configure, Manage [V8.X]</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 • VMware vSphere：Fast Track • WhatsNew：VMware vSphere新增功能 • VSTW：VMware vSphere疑難排除課程 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.X. 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		

VSANICM	<h2>VMware vSAN安裝及設定管理</h2> <p>VMware vSAN : Install, Configure, Manage [V8]</p> <p>時數：28小時 費用：59,500元 點數：17.5點 教材：VMware原廠電子教材</p>		
適合對象	Storage and virtual infrastructure consultants, solution architects, and administrators who are responsible for production support and administration of VMware vSAN 8.		
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或同等知識 		
課程目標	<p>During this four-day course, you will gain the knowledge, skills, and tools to plan and deploy a VMware vSAN™ cluster. You will learn about managing and operating vSAN. This course focuses on building the required skills for common Day-2 vSAN administrator tasks such as vSAN node management, cluster maintenance, security operations, troubleshooting and advanced vSAN cluster operations. You will learn these skills through the completion of instructor-led activities and hands-on lab exercises.</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 vSAN concepts 2. Detail the underlying vSAN architecture and components 3. Explain the key features and use cases for vSAN 4. Identify requirements and planning considerations for vSAN clusters 5. Explain the importance vSAN hardware compatibility 6. Describe the different vSAN deployment options 7. Explain how to configure vSAN fault domains 8. Detail how to define and create a VM storage policy 9. Discuss the impact of vSAN storage policy changes 10. Detail vSAN resilience and data availability 11. Describe vSAN storage space efficiency 12. Explain how vSAN encryption works 13. Detail VMware HCI Mesh™ technology and architecture 14. Detail vSAN File Service architecture and configuration 15. Describe how to setup a stretched and a two-node vSAN cluster 16. Describe vSAN maintenance mode and data evacuation options 17. Define the steps to shut down a vSAN cluster for maintenance 18. Explain how to use proactive tests to check the integrity of a vSAN cluster 19. Use VMware Skyline Health™ for monitoring vSAN health 20. Use VMware Skyline Health to investigate and help determine failure conditions 21. Discuss vSAN troubleshooting best practices 22. Describe vSAN Express Storage Architecture™ concepts 		
後續推薦課程	VSOSS：VMware vSphere操作與擴展及安全課程		

VSANTW	VMware vSAN疑難排除課程	
	VMware vSAN : Troubleshooting [V8] 時數：14小時 費用：32,000元 點數：8點 教材：VMware原廠電子教材	
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™ 8 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-ICM	VMware NSX安裝及設定管理課程	
	VMware NSX : Install, Configure, Manage [V4.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 security administrators or network administrators	
預備知識	<ul style="list-style-type: none"> • Good understanding of TCP/IP services and protocols • Knowledge and working experience of computer networking, including switching and routing technologies (L2 through L3) and L2 through L7 firewall • Knowledge and working experience with VMware vSphere® environments • Knowledge and working experience with Kubernetes or VMware vSphere® with VMware Tanzu® environments <p>Solid understanding of concepts presented in the following courses:</p> <ul style="list-style-type: none"> • VMware Virtual Cloud Network Core Technical Skills • VMware Data Center Virtualization: Core Technical Skills • Kubernetes Fundamentals 	
課程目標	<p>This five-day, fast-paced course provides comprehensive training to install, configure, and manage a VMware NSX® environment. This course covers key features and functionality offered in the NSX 4.X releases, including the overall infrastructure, logical switching, logical routing, networking and security services, firewalls and advanced threat prevention, and more.</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 architecture and main components of NSX 2. Explain the features and benefits of NSX 3. Deploy the NSX Management cluster and VMware NSX® Edge™ nodes 4. Prepare VMware ESXi™ hosts to participate in NSX networking 5. Create and configure segments for layer 2 forwarding 6. Create and configure Tier-0 and Tier-1 gateways for logical routing 7. Use distributed and gateway firewall policies to filter east-west and north-south traffic in NSX 8. Configure Advanced Threat Prevention features 9. Configure network services on NSX Edge nodes 10. Use VMware Identity Manager™ and LDAP to manage users and access 11. Explain the use cases, importance, and architecture of Federation 	

NSX-TO VMware NSX疑難排除與操作課程



VMware NSX : Troubleshooting and Operations [V4.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	<ul style="list-style-type: none"> Experienced system administrators and network administrators Network and security professionals who work with enterprise networks
預備知識	<p>Before taking this course, you must complete the following course :</p> <ul style="list-style-type: none"> VMware NSX: Install, Configure, Manage [V4.X] <p>You should also have 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 and security, including : <ol style="list-style-type: none"> Switching and routing technologies (L2 and L3) Network and application delivery services (L4 through L7) Firewalling (L4 through L7) VMware vSphere environments <p>The VMware Certified Professional – Network Virtualization certification is recommended.</p>
課程目標	<p>This five-day, hands-on training course provides the advanced knowledge, skills, and tools to achieve competency in operating and troubleshooting the VMware NSX infrastructure. This course introduces you to workflows of various networking and security constructs along with several operational and troubleshooting tools that help you manage and troubleshoot your VMware NSX environment.</p> <p>In addition, various types of technical problems are presented to you, which you will identify, analyze, and solve through a systematic process.</p> <p>課程結束後，您將能達成以下目標：</p> <ol style="list-style-type: none"> Use the native tools available in NSX to identify and troubleshoot the problems Use VMware Aria Operations for Logs and VMware Aria Operations for Networks to identify and troubleshoot problems related to the NSX environment Explain the NSX infrastructure components and the communications between them Identify, analyze, and troubleshoot problems related to the management, control, and data planes in NSX Identify, analyze, and troubleshoot problems related to infrastructure preparation and VMware NSX Edge deployments Identify, analyze, and troubleshoot problems related to logical switching and logical routing Identify, analyze, and troubleshoot network security problems related to the Distributed firewalls, Gateway firewalls, and Distributed IDS/IPS Identify, analyze, and troubleshoot problems related to VPN and VMware NSX Advanced Load Balancer Identify the components and packet flows involved in the NSX datapath and troubleshoot related problems

NSX-TDD VMware NSX-T Data Center設計規劃課程



VMware NSX-T Data Center : Design [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	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安裝及設定管理課程 <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"> Understand and apply a design framework Apply a design process for gathering requirements, constraints, assumptions, and risks Analyze existing physical networking and security components, processes, and operations Design a VMware vSphere® virtual data center to support NSX-T Data Center requirements Design a physical network to support network virtualization in a software-defined data center Design logical network services Design logical security services Design a data center rack solution to support scalability and high availability Analyze alternative design choices for risk mitigation Understand the design and support for NSX-T Data Center infrastructure in a multi data center infrastructure

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 proficiency • General 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 images 2. Become familiar with YAML files that define Kubernetes objects 3. Understand Kubernetes core user-facing concepts, including pods, services, and deployments 4. Use kubectl, the Kubernetes CLI, and become familiar with its commands and options 5. Understand the architecture of Kubernetes (Control plane and its components, worker nodes, and kubelet) 6. Learn how to troubleshoot issues with deployments on Kubernetes 7. Apply resource requests, limits, and probes to deployments 8. Manage dynamic application configuration using ConfigMaps and Secrets 9. Deploy other workloads, including DaemonSets, Jobs, and CronJobs 10. 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

VTKGICM VMware Tanzu Kubernetes Grid安裝及設定管理課程

VMware Tanzu Kubernetes Grid : Install, Configure, Manage [V2.0]

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	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 deploying and managing multiple Kubernetes clusters <p>During this four-day course, you focus on installing VMware Tanzu® Kubernetes Grid™ in a VMware vSphere® environment and provisioning and managing Tanzu Kubernetes Grid clusters. The course covers how to install Tanzu Kubernetes Grid packages for image registry, authentication, logging, ingress, multipod network interfaces, service discovery, and monitoring. The concepts learned in this course are transferable for users who must 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>
課程目標	<ol style="list-style-type: none"> 1. Describe how Tanzu Kubernetes Grid fits in the VMware Tanzu® portfolio 2. Describe the Tanzu Kubernetes Grid architecture 3. Deploy and manage Tanzu Kubernetes Grid management and supervisor clusters 4. Deploy and manage Tanzu Kubernetes Grid workload clusters 5. Deploy, configure, and manage Tanzu Kubernetes Grid packages 6. Perform basic troubleshooting