vmworld® 2015

READY FOR ANY

VMware Hands-on Labs

- Launch
- Explore
- Collabotate

VMware Hands-on Labs provides an easy way for you to explore VMware products and solutions online. There is no need for special licenses or hardware and most labs load within 3-5 minutes using the latest versions of Chrome, FireFox, Safari, and Internet Explorer. VMware Hands-on Labs are powered by the latest versions of the VMware Software-Defined Data Center products and solutions.

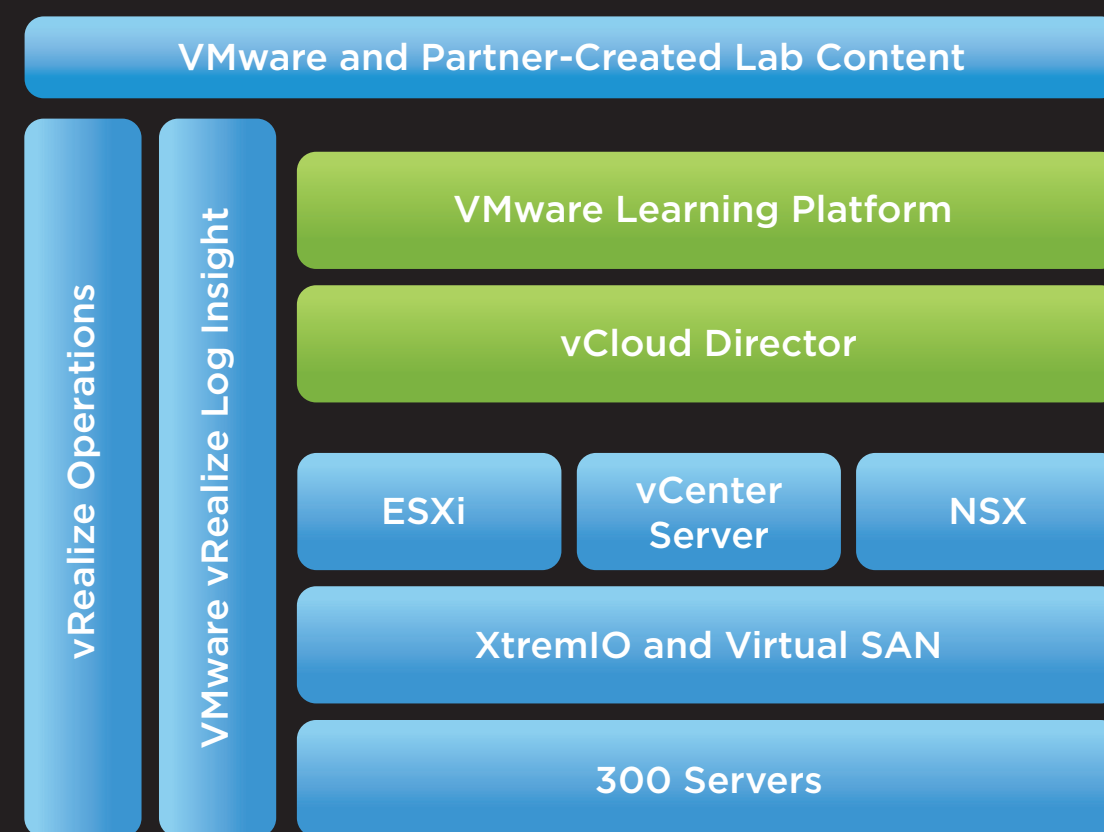Visit our Hands-on Labs Blog for latest information: http://blogs.vmware.com/hol

VMware Hands-on Labs Expert-led Workshops (ELW)
The VMware Hands-on Labs Expert-led Workshops are a great way to explore our products and solutions in an intimate way. These are a great opportunity to interact with experts and gain insights into our products and solutions. The Expert-led Workshops are hosted by Product Experts around the world.
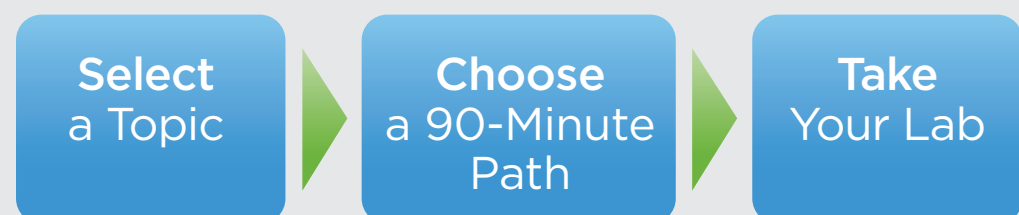
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Hands-on Labs Infrastructure Overview

VMware and Partner-Created Lab Content

- vRealize Operations
- VMware vRealize Log Insight
- VMware Learning Platform
- vCloud Director
- ESXi
- vCenter Server
- NSX
- XtremIO and Virtual SAN
- 300 Servers

Tips for Taking Labs

Select a Topic → Choose a 90-Minute Path → Take Your Lab

- You will not have time to complete an entire lab topic in a single sitting. This is by design.
- Plan ahead and select modules that can be completed in 90 minutes or less.
- To view the complete module list and estimated duration, refer to the "Table of Contents," which appears in the "More Options" menu of the lab manual.
- Take advantage of guidance from the lab authors in the "Lab Overview" section of the lab manual.

SPL-CHG-1695
vSphere 6 Challenge Lab

The vSphere® 6 Challenge asks you to put on your thinking cap to save the day! Each module places you in a different fictional scenario to fix common vSphere operational and performance problems. Have you ever had a disconnected host or a VM which will not power on? How about a mysterious poorly performing VM? Learn to solve these and more, and optional hints ensure you won't get stuck. Try it and leave a little wiser!

Captains
Rebecca Grider, Clement Wong

SPL-HBD-1681
VMware vCloud Air – Jump Start for vSphere Admins

vCloud® Air™ allows you to extend your workloads into the cloud with ease. You can migrate existing onsite virtual machines (VMs) to the public cloud or start up new application VMs directly in the cloud. You can easily port VM and other business-critical workloads back and forth to the location of your choice, all with the secure and capable foundation of vSphere.

Captains
Cleavon Roberts, Jodi Shely, Patrick Mahoney

SPL-HBD-1682
VMware vCloud Air – Networking & Security

VMware vCloud Air advanced networking services, powered by the VMware NSX™ network virtualization platform, will enable customers to achieve unprecedented security and isolation in a public cloud. In this lab, you use the latest Advanced Network services such as fine-grained network security groups and isolation with micro-segmentation, dynamic routing, SSL VPN and L2 VPN, and the Hybrid Cloud Manager for easy transfer of workloads into vCloud Air and a look at Live Migrations.

Captains
Henry Villegas, Tony Welsh, Sheng Sheen

SPL-HBD-1683
VMware vCloud Air – Manage Your Cloud

Automate your way to cloud self-service. In this lab you will integrate VMware vCloud Air with vRealize™ Automation™ and manage blueprints from a service catalog, add governance to vCloud Air deployments and reserve capacity for authorized users. The combination of vRealize Automation and vCloud Air allows you to become more agile and enable various use cases that are not found in the traditional data center.

Captains
John Avery, Scott Studer, Adam Bohle, Dan Ryan

SPL-HBD-1684
VMware vCloud Air Disaster Recovery

What is your plan for Disaster Recovery (DR)? In this lab, you will leverage VMware vCloud Air as a Disaster Recovery target. Do failover, reverse failback, point in time recovery, and automate with vRealize Orchestrator™, all using your vSphere Web Client. See how powerful this solution can be.

Captains
Brad Schmerbeck, Chris Willingham, Ryan Wilson

SPL-HBD-1685
Creating a VMware Hands-on Lab

This lab provides the VMware Learning Platform which is a complete learning environment that integrates instructional materials, labs, video, social media and more. VMware Learning Platform is cloud-based and its content management tool includes features to run and track training labs.

Captains
Greg Fox, Dylan Townsend, Enzo Leone

SPL-HBD-1686
VMware vCloud Air Data Services

Learn how to use VMware Continuent® to protect a MySQL database for commercial-grade High Availability (HA), globally redundant Disaster Recovery (DR) and performance scaling. Continuent makes it simple to create database clusters on-premises and in vCloud Air, to keep the data available even when systems fail.

Captains
Adam Eckerle, Rahul Srivastava

SPL-MBL-1651
Advanced Technical Concepts of Horizon 6 from A to Z

You will gain an in-depth understanding of Horizon® 6 Features and Functionality, focusing on newer features and technical details on integration with products such as VMware App Volumes™ (AppStack Creation and Deployment) and VMware User Environment Manager™ (Setup/Config).

Captains
Mike Barnett, Banit Agrawal, Peter Schraml, Laurel Spadaro

SPL-MBL-1652
Secure Delivery and Management of the Transforming Desktop

You will gain an understanding of securely delivering and managing a desktop environment from both the IT Admin and End-User roles. This will cover delivering, management, and end-user access of desktop types such as VDI, RDS, and Physical.

Captains
Randy Carson, Jack McMichael, Dean Flaming

SPL-MBL-1653
Advanced Concepts of VMware Workspace Portal

This introduction to Workspace™ Portal 2 includes Workspace Reporting, Workspace and ThinApp® Integration (including HTTP Streaming), RDS App/Desktop thru Workspace, Integrating SSL & Kerberos authentication, SAML Application integration, and Integrating non-SAML apps, Citrix Integration (Video).

Captains
Peter Bjork, Karsten Giessen

SPL-MBL-1654
Application Delivery and Lifecycle Management

Delivery and Management of Applications with VMware EUC Products. Discover the various solutions which VMware provides for Application Management and Delivery to end-user systems – both physical and virtual. Understand the benefits of each way in which applications may be deployed and managed as well as how they can be updated.

Captains
Ryan Costello, Carlos Sanabria

SPL-MBL-1655
Introducing Flexible Desktop Management for the Mobile User with VMware Horizon FLEX

This lab will provide an understanding on how VMware Horizon FLEX™ can help IT manage security while allowing the convenience of BYO and temporary mobile users.

Captains
Chris White, Dean Flaming

SPL-MBL-1656
Horizon Air – Explore and Manage

This lab will introduce you to desktop as a service (DaaS). Through hands-on exercises, learn how DaaS goes beyond typical virtual desktop infrastructure (VDI), and work closely with VMware Horizon Air, the market leading offering.

Captains
Chris Halstead, Alex Foradori

SPL-MBL-1657
AirWatch – Introduction to Basic MDM and Console Customization

In this lab, you will learn how to setup and administer AirWatch® Mobile Device Management™. You can choose modules on enrolling and configuring iOS, Android and Mac OSX devices. There are also modules for branding the console and creating specific administrator roles. Each module can be taken by itself or you can work though all the modules in sequence for a complete look at the functionality of AirWatch. Note that a government issued ID will be required to borrow the equipment needed for this lab.

Captains
Roger Deane, Jeff Harris

SPL-MBL-1658
AirWatch – Advanced MDM, Content and Horizon Integration

In this lab, you will explore more advanced topics in AirWatch and take modules on enrolling and configuring iOS, Android and Mac OSX devices. There are also modules on using the robust API, advanced integration with Active Directory, and the new ACE programing interface. If you are interested in publishing content to mobile devices, there is a module for that as well. Choose individual modules or work though all the modules in sequence for a complete look at the functionality of AirWatch. Note that a government-issued ID will be required to borrow the equipment needed for this lab.

Captains
Roger Deane, Jeff Harris

SPL-MBL-1659
F5 Integration with VMware Mobility

This Hands-on Lab will explore the use case for load balancing and the advantages of the F5 solution with VMware Mobility Solutions. You will perform the initial configuration of the F5 BIG-IP, configure high availability of the appliances, and integrate the BIG-IP with VMware Horizon 6 and VMware Workspace Portal.

Captains
Matthew Mabis, Mosa Emamjomeh

SPL-SDC-1601
Cloud Management with vRealize Operations Insight

VMware vRealize Operations Insight™ delivers intelligent operations management across physical, virtual, and cloud infrastructures – from vSphere and Hyper-V to Amazon Web Services. It correlates data from applications to storage in a unified management tool that is easy-to-use and can provide control over performance, capacity, and configuration, with predictive analytics driving proactive action, and policy-based automation.

Captains
Ryan Cartwright, Daniel Wofford, Mike Eisenberg, Chris Bush

SPL-SDC-1602
vSphere with Operations Management 6: Advanced Topics

This advanced lab demonstrates the more complex features and functions of vSphere with Operations Management™ including vSphere, vCenter™ and vRealize Operations Manager.

Captains
John Dias, Pavel Dimitrov, Tom Bonanno, Mike Mattes, Yuval Tenebaum

SPL-SDC-1603
VMware NSX Introduction

VMware NSX is the platform for Network Virtualization. You will gain hands-on experience with Logical Switching, Distributed Logical Routing, Dynamic Routing, Distributed Firewall and Logical Network Services. This lab introduces the core capabilities of VMware NSX in vSphere environments used to enable Network and Security virtualization.

Captains
Melanie Spencer, Sachin Thatte, Joe Silvagi, Devender Sharma

SPL-SDC-1604
vSphere Performance Optimization

This lab covers vSphere performance best practices and various performance related features available in vSphere 6. You will work with a broad array of solutions and tools, including VMware Labs "Flings" and extop to gauge and diagnose performance in a vSphere environment.

Captains
David Morse, Henrik Moenster, Robert Jensen

SPL-SDC-1605
High Availability and Resilient Infrastructure

VMware Business Continuity and Disaster Recovery (BC/DR) solutions drive automation, efficiency, data protection, and validation of an organization's enterprise-level BC/DR strategy. Learn how to reduce downtime and increase availability for your applications and services with VMware Site Recovery Manager™ and vSphere Data Protection™.

Captains
Adam Osterholt, Paul Irwin, Nick Fritsch

SPL-SDC-1606
Cloud 101 – Deliver Your Infrastructure as a Service

Take the first steps in the journey to a Software-Defined Enterprise by implementing all components of vCloud Suite® Standard, including the core features and functions of vSphere, vCenter, vRealize Operations Manager and vRealize Automation. Begin your Software-Defined Data Center (SDDC) experience by moving from traditional templates to blueprints that enable automated infrastructure delivery.

Captains
Andrew Murphy, Kelly Montgomery, Danny Farber

SPL-SDC-1608
Virtual SAN 6 – from A to Z

Experience VMware Virtual SAN™ for the first time. Learn how to deploy, manage and configure this hypervisor-converged storage solution. Includes new and updated modules for the 2014 catalog.

Captains
John Browne, Jitender Rohilla, Ken Osborn, Tony Okwechime

SPL-SDC-1609
Big Data and vSphere

vSphere Big Data Extensions (BDE) makes Hadoop virtualization-aware, improves performance in virtual environments and enables deployment of highly available Hadoop clusters in minutes. You can choose from introductory to advanced modules.

Captain
Matthew Portnoy, Chris Saunders, Julie Roman

SPL-SDC-1610
Virtualization 101: vSphere with Operations Management 6

This introductory lab demonstrates the core features and functions of vSphere with Operations Management including vSphere, vCenter and vRealize Operations Manager. This is an excellent place to begin your experience with vSphere.

Captains
Tom Lusk, Phil Balfanz, Pierre Grothe, Pavel Dimitrov, Carl Olafson

SPL-SDC-1611
IT Cost Transparency with vRealize Business

Gain transparency into and proactively manage the costs, quality, and performance of IT services, vendors, and contracts through insightful dashboards, analytics, and capabilities that help align IT to the demands of the business.

Captains
Scott Weinstein, Itai Zach

SPL-SDC-1613
IT Outcomes Overview

Reduce time to deliver applications and infrastructure with automated provisioning and policy-based governance throughout the service delivery lifecycle using vRealize Automation and Application Services. Integration points with VMware's NSX for vSphere will be shown, as well as external service integration (such as vCloud Air, IP, and service management), and extensibility through additional automation.

Captain
Mike Fegan, Cindy Mazeika, Paul Schlosser

SPL-SDC-1620
OpenStack with VMware vSphere and NSX

In this Hands-on Lab we provide you with an introduction to VMware Integrated OpenStack (VIO), demonstrate how it integrates with NSX and vRealize Operations and let you take the reins in building out virtual networks with micro-segmentation while providing granular visibility and reporting.

Captains
Ed Shmookler, Marcos Hernandez, Jonathan Cham, Hadar Freehling

SPL-SDC-1621
vRealize Automation 101: Application and Infrastructure Delivery and DevOps with Code Stream

This lab will demonstrate the ability to use vRealize Automation to rapidly automate the deployment and management of a variety of IT services and applications. It will also show how vRealize Code Stream™ provides release automation and continuous delivery. It covers key features of vRealize Automation, including use cases from the perspectives of the consumers, business managers and administrators. You will also explore the integrations with vRealize Application Services and vRealize Code Stream, and review tenant configuration.

Captains
Marco Caronna, Jeff Knous

SPL-SDC-1622
VMware Development Tools and SDKs

This introductory lab will get you started building and automating cloud infrastructure solutions with VMware development tools and SDKs. These are scripter and developer focused modules and some familiarity with programming in Python or Java is expected. But don't worry, no coding is required. Complete sample code has been provided.

Captains
Bob Fraser

SPL-SDC-1624
VMware NSX and the vRealize Suite

This NSX lab covers integration of NSX with components of the vRealize Suite to deliver on the Software-Defined Data Center. Integration of NSX with Management components like vRealize Automation, vRealize Operations and vRealize Log Insight is covered in this lab.

Captains
Chris McClanahan, Tim Ness, Scottie Ray

SPL-SDC-1625
VMware NSX Advanced

This lab covers advanced NSX topics and builds on the basics learned in the "VMware NSX Introduction (HOL-SDC-1603)" lab. Attendees will extend NSX into a dual vCenter environment to experience multi-site virtual networking and security. This will include VPN and Hardware VTEP integration.

Captains
Dan Illson, Bob Motanagh, Dwayne Sinclair, Francesco Vigo

SPL-SDC-1627
VMware Software-Defined Storage – Advanced Topics

Software-Defined Storage is here today. See how VMware can deliver a complete set of storage capabilities, on-demand and dynamically created, using exciting new solutions such as Storage Policy Based Management (SPBM), Virtual SAN, and Virtual Volumes™. Learn how to manage policies in this new model and offer storage services to users on a self-service basis.

Captains
Mousumi Mullick, Martin Banda, Sam Aaron, Mark Andreopoulos

SPL-SDC-1628
VMware EVO:RAIL Introduction

VMware EVO:RAIL™ combines compute, networking, and storage resources into a hyper-converged infrastructure appliance to create a simple, easy to deploy, all-in-one solution offered by VMware qualified partners.

Captains
Mike Laverick, Judy Snow

SPL-SDC-1630
Cloud-Native Apps: Bringing Microservices and Containers to the Software-Defined Data Center

This lab will provide hands-on experience with containers and code version control systems, and cover key concepts for distributed computing and microservices deployment in an enterprise SDDC. We will demonstrate how businesses can securely and confidently leverage containers to speed application development and increase business agility as they move to building cloud-native applications.

Captains
Pontus Rydin, Chris Sexsmith, Michael West

SPL-SDC-1631
vSphere Optimization Assessment

vSphere Optimization Assessment (VOA) uses vRealize Operations Manager with customized vRA specific reports to produce immediate and timed valuable results in a structured (mini) Proof of Concept format. It delivers immediate value starting day 1, with a vSphere configuration audit report, and provides additional benefits by identifying performance improvement and capacity optimization recommendations throughout the program. The purpose of the lab is to demonstrate the value of the VOA and enable a partner engineer to deliver a successful VOA.

Captains
Sam Tessier, Matthew Steiner

SPL-SDC-1632
vRealize Automation Advanced: Integration and Extensibility

This advanced lab will explore out-of-the-box integrations with other vRealize Suite products, and you will learn all about extending the provisioning life-cycle for many common use cases. Using vRealize Orchestrator and its plugins, you will learn how to implement custom host naming and integration with Infoblox and Puppet. You will explore the vRealize Automation API.

Captains
Shawn Kelly, Kimberly Delgado, Jon Schulman, Grant Orchard

PARTNERS

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EMC² — HOL-PRT-1671
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LEGEND

- Hybrid Cloud (HBD)
- Mobility (MBL)
- Software-Defined Data Center (SDDC)

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