VMware IT Academy

Virtualization and cloud skills for the new IT world
Agenda

- Why VMware
  - Market Leader
  - The new IT as a service model
  - Solutions
  - Certifications

- VMware IT Academy Program
  - Benefits
  - Product offering
  - Details and Cost
  - Qualification and Restrictions
The World’s Fastest Growing Infrastructure Software Company

• Proven Market Leader
  – $6.04 billion revenue
  – $6.64 billion cash
  – 18,000 employees

• Proven in Production
  – 500,000+ VMware customers
  – 100% of Fortune 100
  – 100% of Fortune Global 100
  – 99% of Fortune 1000
  – 97% of Fortune Global 500
The New IT as a Service Model

IT as a Service leverages:

- highly virtualized infrastructure
- modern development approaches for anywhere, anytime user access

...to enable a more efficient and business-focused model for IT
# VMware Product Solutions

## Products

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In-demand VMware Certifications

VMware certification exams were in the top 2 of all exams taken in the past 2-years

Source: Pearson VUE 2014 Value of IT Certification Survey

The VMware Certified Professional - Data Center Virtualization is one of the highest paying credentials to hold according to the 2015 IT & Salary Report from Global Knowledge and Windows IT Pro
VMware IT Academy Program

-Provides resources for teaching and learning virtualization and cloud skills
-Prepares students for VMware certification
-Visit vmware.com/go/academy for more information
Virtualization is Key to IT as a Service

- **Datacenters:**
  - 69% server virtualization increasing to 84% by 2015
  - 24% growth expected in servers running VMware
  - 76% installed hypervisors are VMware. “All workload types are migrating to VMware, including mission critical and databases”.

- **Virtualized applications:**
  - Of existing VMware users, ~97% expect to virtualize mission critical applications.
  - In Test/Dev, EndUser, Web Apps, Collaboration and BI applications, VMware used in +50% more sites.

Source: Wikibon.org
Gartner Names Microsoft and VMware as Server Virtualization Leaders

By Keith Ward  ■  07/21/2015

Gartner has released its 2015 "Magic Quadrant" for x86 server virtualization infrastructure, which found that Microsoft and VMware are leading the pack in that market.

VMware was rated highest by a significant margin, ranking at the top for both "Completeness of Vision" and "Ability to Execute." Microsoft was behind in both categories, but was still far ahead of the other five companies listed as important in server virtualization: Oracle, Odin, Red Hat, Citrix and Huawei. They had a place as "Niche Players."

VMware: Still King of the Hill

As part of its analysis, every Magic Quadrant report lists strengths and cautions for each vendor. It's still bullish on VMware: "VMware continues to have dominant market share, and customers remain very satisfied with product capabilities and vendor support," the report states, adding that the company is still growing at a healthy clip.

Source: Redmond Magazine
Program Benefits

Student

• Free VMware software and 1-year licenses for Workstation, Fusion, vSphere and more

• Authorized curriculum and labs that prepares you for VMware certification

• 70% discount certification exam vouchers for all VMware Certified Associate (VCA) and the VMware Certified Professional – Data Center Virtualization (VCP-DCV) certification

IT Academy

• Free eLearning courses to supplement existing ICT courses or for instructors to learn advanced technology

• Authorized curriculum that helps students prepare for certification

• 70% discount certification exam vouchers for instructors and students

• VMware software and licenses for teaching VMware technology and courses

• 1-year license for Workstation, Fusion, and other VMware software for all IT department faculty and students
VMware has designed a flexible program to enable virtualization training in multiple formats, learning styles and levels.

**Hands-on Training**
- (certification preparation)
- May require VMware certified instructor to teach
- Specific lab requirement
- Minimum course content and hours required for student certification

**Free eLearning**
- No certified trainers required
- Low/no hardware requirement
- Supplement existing courses or for self-study

**Cost & Resources**
- Knowledge & Skills
## IT Academy Product Offering & Certification Alignment

### Role: Administration (VCP (Professional))
- **Course 1:** vSphere: Install, Configure, Manage V6
- **Exam 1:** vSphere 6 Foundations
- **Course 2:** vSphere: Optimize & Scale
- **Exam 2:** VCP 6-DCV

### Role: Business IT (VCA (Associate))
- **Course:** DCV Fundamentals
- **Exam:** DCV Fundamentals
- **Course:** -Cloud Fund -vCloud Air Fund
- **Course:** -Cloud Mgmt & Automation -Hybrid Cloud Fund
- **Course:** Network Virt Fundamentals
- **Course:** Network Virtualization Fund
- **Course:** Desktop & Mobility Fundamentals

### Certification Level:
- **VCA:** 5 free online modules and 5 unproctored online exams
- **VCP-DCV:** 2 courses & 2 exams (unproctored online Foundations and proctored VCP 6-DCV)
VCA Certification Preparation and Testing

- **Free** 2.5 - 3-hour *self-study online courses*
  - Combine all 5 for a great virtualization and cloud essentials course
  - No prerequisites required
  - Focus on: Products and technologies, use-cases, and trends and best practices
  - VCA-DCV labs available from our partner [NDG](https://www.vmware.com) today

- **Testing**
  - 5 unproctored online exams administered by Pearson VUE – no test center required
  - 50 multiple-choice questions per exam, open book, immediate results
  - Discounted exam vouchers (US$40/ea) for IT Academy students/instructors
VMware Certified Professional (VCP) Version 6 Certification Preparation and Testing

- VCP certification available for all four solution tracks
  - Data Center Virtualization (VCP-DCV) *
  - Cloud Management and Automation (VCP-CMA)
  - Network Virtualization (VCP-NV)
  - Desktop and Mobility (VCP-DTM)

*Teaching and learning resources available to IT Academies today

- Testing
  - 2 exams required for each VCP v6 solution track:
    - vSphere Foundations exam – unproctored, online. US$40 student cost
    - Specific solution exam (i.e. VCP6-DCV) – proctored exam at a Pearson VUE testing center. US$70 student cost
# Recommended Learning Paths

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<th>Software-Defined Data Center</th>
<th>DTM</th>
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<td>Course 2 vSphere: Install, Configure, Manage V6</td>
<td>Exam2 VCP6-CMA</td>
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Opt #1 – VCP for Data Center Virtualization track
Opt #2 – “Virtualization Foundations” track
Curriculum Integration Example

Networking Services Technology (Network Support) (A.S.) Degree

Five Course Core
- A+(hardware/software), Security+, Linux, Tech Support

6 Tracks-
- Computer Systems Networking and Telecommunications (CCNA)
- Advanced Network Support Technician CCNP)
- Info Tech Management (Systems Administration) (Server/Linux)
- Computer Forensics Technician/Network Security
- Voice Over IP
- Network Virtualization

Network Virtualization Track Courses
- Server Configuration (MS Server)
- Directory Services Configuration (MS Active Directory)
- Information Storage Management (EMC Storage)
- Virtual Infrastructure: Install and Configure (VMware)
- Virtual Infrastructure: Deploy/Secure (VMware)
- Virtual Desktop and Application Implementation (Citrix)
Free eLearning

Free self-paced eLearning in local language:
• Supplement existing ICT courses
• Faculty professional development
Details and Cost - Resources

• Free to Join - [vmware.com/go/academy](http://vmware.com/go/academy) -> Institutions tab

• Curriculum
  – VCA online training: [free](http://vmware.com/go/academy)
  – eBook: US$16-$22
  – Printed manual: < US$50 including tax & shipping when ordering 10 or more

• **VMware Academic Subscription (US$250/year)** - provides a department branded website with all teaching & learning resources:
  – Free instructor PPTs and Lab Setup Guides
  – Free software with 1-yr licenses
    • For setting up your lab
    • For all IT department students and faculty; includes Workstation and Fusion
  – Learning resources – optional eBooks and virtual labs for students to purchase directly at a nominal cost
  – Certification resources – preparation materials and discount exam codes redeemed by Pearson VUE
    • US$40 for VCA and VCP Foundation exams; US$70 for required 2nd VCP-DCV exam
Details and Cost - Resources

**Department branded website** is created for each IT Academy as part of the VMware Academic Subscription.
Free software for students and faculty

- VMware Workstation
- VMware Fusion
- VMware vCloud Suite Standard
- VMware vCloud Director
- VMware vSphere Enterprise Plus
- VMware vCenter Server Standard

*Note: per the End User Licensing Agreement (EULA) all VMware software made available through this program is to be used for research, instruction, and personal discovery and **may not be used for campus infrastructure, non-academic purposes, or any for-profit activity.**
Details and Cost – Instructor Training and Support

• **Self-Preparation**
  - Free On-demand courses with virtual labs for IT Academy instructors

• **Train-The-Trainer classes and program support**
  - Available from a VMware Regional IT Academy for a nominal cost
  - Check the Regional IT Academy Locator on vmware.com/go/academy for one near you
Details and Cost – Lab Options

Build your own lab using VMware course Lab Setup Guide and software

**Network Development Group (NDG)**

*NETLAB+ virtual lab solution with VMware Data Center Virtualization labs

*Academy & Professional (Regional Academy) Editions available

Individual NDG virtual lab purchase option available through the web store as part of the Academic Subscription
Free NDG Lab Evaluation

Evaluate the VCA-DCV and 2 VCP6-DCV course labs for FREE
https://register.netdevgroup.com/
IT Academy Qualifications and Restrictions

- Must be an accredited, degree/diploma granting education institution of higher education or government approved workforce development organization
- Courses must be incorporated into a degree, diploma, or certificate program
- Can not offer online classes exclusively
- Can not promote or deliver courses to businesses as a way to train their IT staff
- **Maximum of twelve student lecture/lab hours per consecutive 7-day period content delivery**
- Must adhere to all guidelines outlined in the VMware IT Academy Program Guide
- Must apply and be approved by VMware
Next Steps

- Go to [vmware.com/go/academy](http://vmware.com/go/academy) and follow the Get Started steps on the Institutions tab
  - Read the VMware IT Academy Program Guide and Agreement
  - Accept Agreement
  - Complete application

- VMware approves application

- IT Academy receives a Welcome/Next Steps email
  - Purchase VMware Academic Subscription ($250/yr) to access all teaching/learning/certification resources
  - Determine lab solution
  - Select book option(s)
    - School purchases eBooks and/or printed books in bulk from Gilmore Global
    - Students purchase eBooks from Academic Resource WebStore

- Prepare instructors
Questions?