# **Fast Lane** VMware ICM vSphere 8 Hack The Cert VMware Install, Configure & Manage

### Accelerate your certification journey with challenge-based learning!

shift in the way in which people wish to learn and consume their knowledge. Moving away from the traditional classroom deliveries, we have witnessed a substantial uptake in demand for a more immersive, hands-on, dynamic learning. The VMware vSphere Hack the Cert is a fully immersive skills and certification program that

flips traditional training on its head - this is

truly learning-by-doing! Learners' work in

In recent years, we have seen a significant

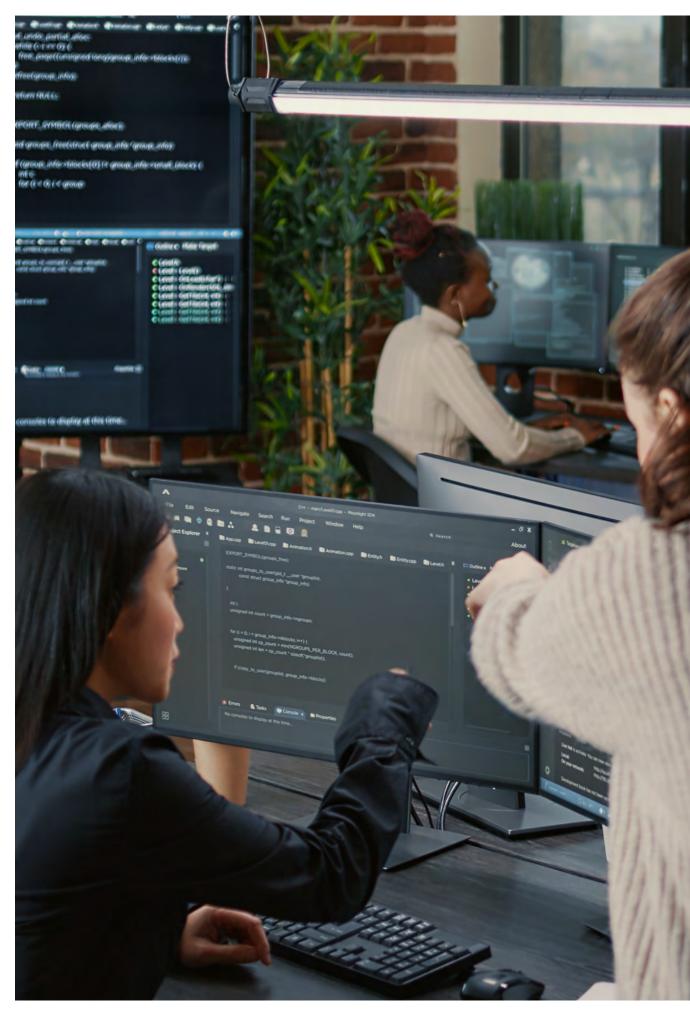
small teams to address every aspect of Install, Configure and Manage, focused on the skills and knowledge required by the ICM certification exam. The official VMware content is included, along with an element of self-paced learning, in this Hackathon-style program. You will also experience in-depth coaching sessions and intensive (hands-on)

team challenges that deliver the complete

Hack the Cert experience. The Fast Lane Hack the Cert Program transforms traditional ILT (Instructor-Led Training) to enhance deeper skills development and accelerated certification attainment. It also helps to build team cohesion through collaboration as they tackle business challenges that drive real business

outcomes. All the while, learning the necessary

skills to complete the exam objectives.



### 1. Our VMware ICM Hack The Cert is a challenge based hackathon.

Why Hack?

- 2. Attendees work in teams of up to 5 Learners to solve a series of
- technical challenges for a given technology or solution scenario. 3. Challenges describe high-level tasks and goals to be
- 4. Our Hack is designed to be a collaborative learning experience.

5. Attendees "learn from" and "share with" each other.

accomplished. Challenges are not step-by-step labs.

- 6. Without step-by-step instructions given for the challenges,
- by doing which results in greater knowledge retention. 7. The teams not alone in solving the challenges. Coaches are on

Learners have to "figure it out" together as a team so learning

hand to work with the teams and to provide guidance for, but not answers the challenges. The coaches may also provide lectures and demos to introduce the challenges, as well as review challenge solutions throughout the event.

### Fast Lane "Hacks" allow delegates to work in teams to tackle real business problems that have been crafted to reinforce exam

ICM Hack the Cert Certification Roadmap

objectives as well as demonstrate real business outcomes. Delivering genuine skills and knowledge they can take straight into the workplace.



### Hack Introduction 30 Tech Talk 2 mins Tech Talk 1 150 **Hacking Time Hacking Time** mins

**DAY 01** 

ICM Hack the Cert Schedule

**DAY 02** 

60 mins	Lunch & Quiz	Lunch & Quiz	Lunch & Quiz	Lunch & Quiz	Lunch & Quiz		
180 mins	Hacking Time	Hacking Time	Hacking Time	Hacking Time	Hacking Time		
60 mins	Exam Prep Q&A	Exam Prep Q&A	Exam Prep Q&A	Exam Prep Q&A	Exam Prep Q&A		
Example Agenda							
Hack tl	he Cert Week, a Da	ay in Detail					

and initial configuration of vCenter.

After a brief hack introduction (10 minutes), attendees will listen to a Tech Talk. First day should cover the

topics of installing the host and initial configuration (planning, configuring, adding to AD), and installation

Adding hosts to AD, Enable SSH and ESXi Shell. Create VM, Install VM tools, Add hard disk.

**Challenge 01:** Host install and initial config. Plan Install, choose boot device, configure BIOS settings on host.

The team will focus on the basic config of first host using embedded host client. Change theme, Configure ntp,

**DAY 03** 

Tech Talk 3

**Hacking Time** 

**DAY 04** 

Tech Talk 4

Hacking Time

**DAY 05** 

Tech Talk 5

Hacking Time

**Host & vCenter** 

Maintenance

Configure Product

vCenter Profiles.

vCenter. Lifecycle

Patching Hosts.

Patching vCenter.

Manager

Locker. Host Profiles.

Backup Hosts. Backup

Hack Introduction 30

mins

150

mins

### After lunch, all attendees participate in a quiz which is delivered through a quiz-experience app (like Kahoot or 60 Lunch & Quiz AhaSlides). In the moderator is sharing the screen showing the current question and results. Some swag-type

**DAY 01** 

Tech Talk 1

**Hacking Time** 

mins		awards for the winners could be considered.	,				
180 mins	Hacking Time	Challenge 02: vCenter Install and initial config. Team will focus on the task of deploying VCSA. Choose size of deployment and number of vCenters. Add licences. Create vCenter inventory objects. Add hosts. Configuradditional host config via vSphere client. Join domain. ADFS. Add Identity source. Manage permissions.					
60 mins	Exam Prep Q&A	All attendees will participate in the Exam Prep session. Instructor will go through the most common questions and gotchas covering topics of the day.					
ICM Hack the Cert Challenges							
This co	This collaborative, hands-on approach is supported by professional coaches who						
will gui	de the team towards	cking" the business problem. Learners also benefit					
from ha	from having peers on their team that offer different perspectives, experiences and						

### **Host install & Storage Initial Config**

levels of expertise.

Basic config of first host Manage CPU resources. Add, Expand, Remove using embedded host & Add Additional iSCSI Manage memory client. Change theme, datastores. resources. Resource Configure ntp, Adding Pools Configure NFS. Add hosts to AD, Enable NFS datastore. Using a NIOC. Storage IO SSH and ESXi Shell. vSAN datastore. Create Control. Performance Create VM, Install VM VM storage policies. Charts. Alarms. tools, Add hard disk.



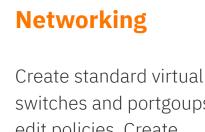
vCenters. Create vCenter inventory objects, Add hosts, Configure add. host cfg via vSphere client. Join

**vCenter Install** 

& Initial Config

Deploy VCSA, choose

size and number of



switches and portgoups, edit policies. Create Distributed virtual switch. Migrate VMs from VSS to VDS. Backup VDS. Enable heath check. Configure Port Mirroring. Restore VDS.

back on track.

**Hack Participant** 

Hack Participant

**VMs** 

Template. Create Cust. specification. Deploy from Template. Content Library. Clone a VM Template to Library. Deploy a VM from Content Library Working with Snapshots.

**Working with** 

Resize VM. Create VM



Configure network for vMotion. Migrate VMs. Create Cluster and enable DRS. Verify DRS functionality. Enable EVC. Configure HA and mgmt redundancy. Test vSphere HA and vCenter HA.



## **Networking**

Secure Boot. Host

Firewall. Lockdown Mode.

**Resource Mgmt** 

& Performance

Configure external KMS. VM Encryption. Updating a vCenter certificate. Software Guard Extensions. vSphere Trust Authority.

**Troubleshooting** Gather ESXi and vCenter Log bundles **ESXTOP** VOMA

Skyline Health

and five did the Hack alternative.



was good, however, they wished it was over 5 days because possibly steering in the wrong direction to bring us there were not enough hands-on however those that completed the Hack alternative had a much better experience. They were more enthusiastic/energised because the hands on step-by-step approach was very easy to follow. Adding to this, The coach was very descriptive and explained

Head of DevOps

The team undoubtedly felt that the course was much better than the traditional approach and really appreciated the difference, reporting they felt more engaged, enjoyed it more, and took a lot away from it. They all really appreciated having more time to play and experiment rather than the crammed/condensed timeframe of the traditional training (this was reflected in the comments of those who attended the traditional alternative feeling too rushed and didn't really have the opportunity to absorb what they were being told). Head of IT

I enjoyed the friendly atmosphere and everyone

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working as one unit. It really made the experience

was very helpful and polite when our group was

everything in great detail, always sharing links to

tutorials on everything we are doing. This will also

so much documentation.

help with being able to revise for the exam as we have

enjoyable while learning at the same time. The coach

they liked the structure of the challenges, as each challenge

had a different person leading and they were very complimentary of the Fast Lane team. I could see the difference in the two teams, the team that took the HTC were more motivated and energised, and could tell the team that did the standard course were very jealous!!! More importantly, the challenges they went through were very relevant to their day to day work, which means they have carried on with their new skillsets in their day job.

Four of our team completed the standard classroom training

Those that completed the standard classroom training said it



Are you ready for a skill-building experience that maps directly to your **Certification Success?** 

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