VMWare Launch - Working with Cloud

WELCOME!

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Senior Technology Instructor

Our mission...

Over 16 years ago, we embarked on a journey to improve the world by making learning technology easy and accessible to everyone.

...impacts everyone daily.

And it's working. Today, we're known for delivering customized tech learning programs that drive innovation and transform organizations.

In fact, when you talk on the phone, watch a movie, connect with friends on social media, drive a car, fly on a plane, shop online, and order a latte with your mobile app, you are experiencing the impact of our solutions.

Over The Past Few Decades, We've Provided

Over **62,300,000** expert-led learning hours

In 2019 Alone, We Provided
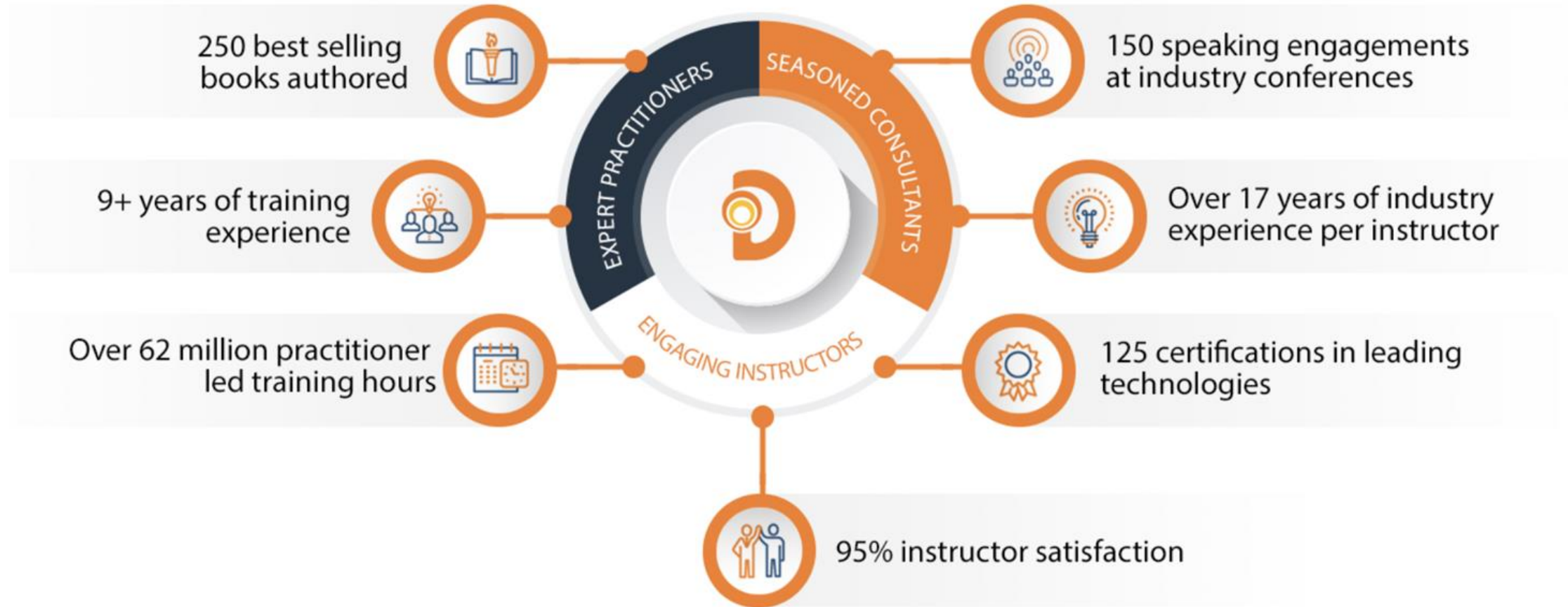
Training to over **13,500** engineers

Programs in **30** countries

Over **120** active trainers, with an average of over two decades of experience each.

Technologies we cover

World Class Practitioners

250 best selling books authored

150 speaking engagements at industry conferences

9+ years of training experience

Over 17 years of industry experience per instructor

Over 62 million practitioner led training hours

125 certifications in leading technologies

95% instructor satisfaction

EXPERT PRACTITIONERS

SEASONED CONSULTANTS

ENGAGING INSTRUCTORS
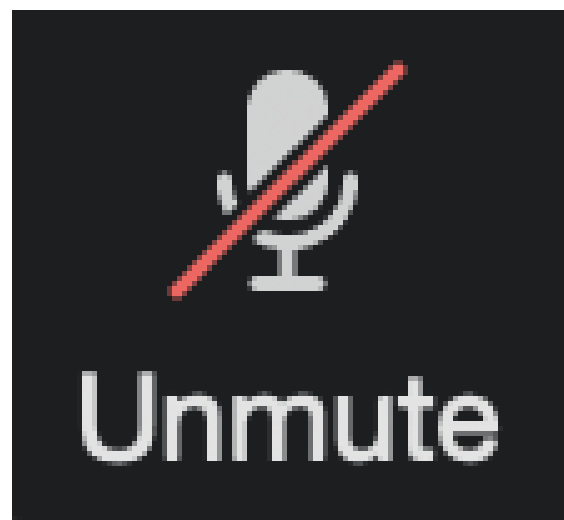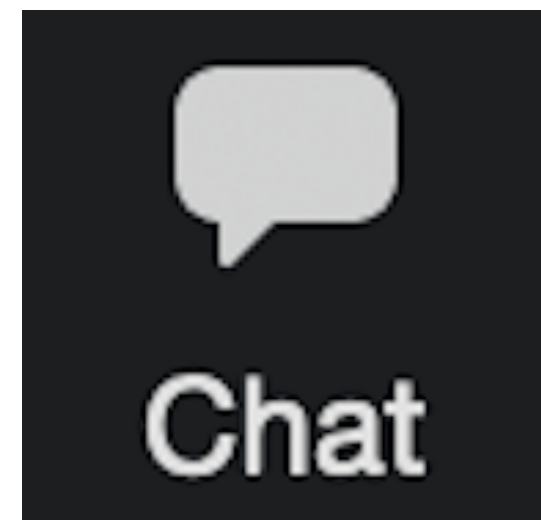
Develop Intelligence

Virtual Training Expectations for You

Arrive on time / return on time

Mute unless speaking

Use chat or ask questions verbally

Virtual Training Expectations for Me

I pledge to:
- ➤ Make this as interesting and interactive as possible
- ➤ Ask questions in order to stimulate discussion
- ➤ Use whatever resources I have at hand to explain the material
- ➤ Try my best to manage verbal responses so that everyone who wants to speak can do so

Quick review of key Zoom features that may be helpful for our course

➢ Help new hires acclimate to VMWare's Multi-Cloud Strategy as a mechanism for improving the customer experience

➢ Explore foundational concepts that help enable delivery of robust, enterprise-grade solutions integrating systems and services across on-premise and Cloud

➢ Building an understanding of the challenges and practical approach to meeting those challenges when implementing Cloud-enabled solutions

Objectives

Upon completion of this course, you should be able to:
➢ Describe foundational Cloud concepts
➢ Understand how Cloud strategies enable delivery of critical business systems
➢ Associate specific VMWare technologies to Hybrid Cloud integration use cases
➢ Identify potential technical challenges encountered when building for Cloud and explore options for remediating

Plan-of-Attack

Infrastructure Options:
- On-premise
- Public Cloud
- At the Edge
- Hybrid Cloud

Application Options:
- Hosting – IaaS vs. PaaS vs. Serverless (or FaaS) vs. SaaS vs. Containers
- SOLID Principles as a Mechanism for Designing and Building Loosely-Coupled Systems
- The Twelve-Factor App
- Monolith vs. Microservices
- 6 R's – Migration vs. Modernization

Plan-of-Attack

Cloud Services:
➢ Machine Learning/Artificial Intelligence
➢ Mobile Support Services
➢ Data Management
➢ Internet of Things (IoT)

Management & Operations:
➢ Monitoring Across Hybrid Cloud
➢ Virtualization & Orchestration
➢ Elastic Scalability
➢ Business Continuity/Disaster Recovery (BC/DR)
➢ Managing Cost – CAPEX vs. OPEX
➢ Endpoint Protection/Security

Plan-of-Attack

VMWare Product/Technology Alignment

Borathon – Migrating Banking Monolith to Microservices in the Cloud

Borathon – Team Review:
➢ Lessons Learned
➢ Solution Alternatives
➢ Pros & Cons

Wrap-up

What is "the Cloud"?

How does "the Cloud" impact (or even enhance) our approach to business & technology enablement?

Application Needs Driving Multi-Cloud Strategies

Complex and diverse needs of applications

Existing Apps
Reduce Costs | Security | Reliability | Control

Maintain

Replatform

Hybrid Apps

Modern Apps
Time to market | Innovation | Scale | Differentiation

Refactor

Develop for Cloud

Replace

SaaS

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More Infrastructure Options Than Ever Before

On Premises

Off Premises

In the Cloud

At the Edge

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More Application Options Than Ever Before

Traditional Apps

Container Apps

Hybrid Apps

Packaged Apps

SaaS Apps

More Management
and Ops Tools
Than Ever Before

Specialized Teams

Security

Specialized Skills

Management Tools

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THANK YOU