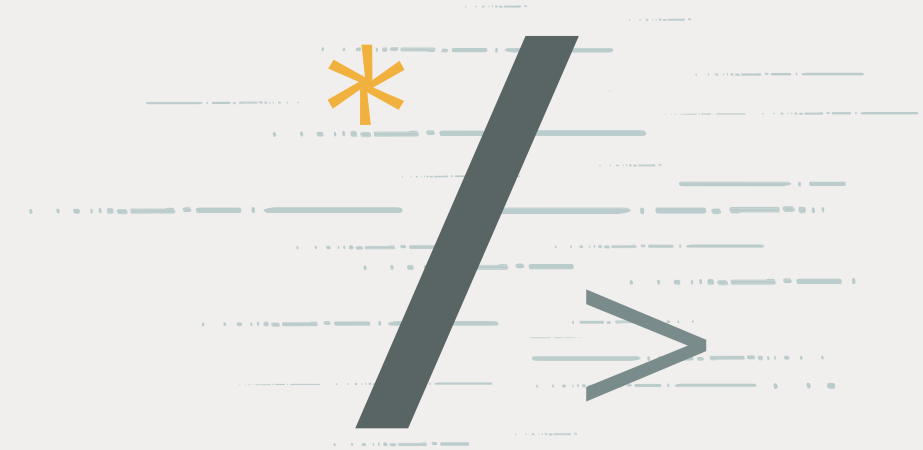
OCI Database Migration Professional 2024 Exam 1Z0-1194-24



Oracle Cloud Infrastructure

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Database Migration Professional 2024

↑ Become an Oracle Cloud Database Migration Professional (2024)

Community

You are enrolled in this path

Learning Path

Status
In Progress

The "Oracle Cloud Database Migration Professional" learning path provides a comprehensive training pathway designed to equip learners with the skills necessary for migrating databases to Oracle Cloud. This course is ideal for IT professionals, database administrators, and system architects who are involved in planning and executing database migrations.

Skills You Will Learn

- **Migration Scenario Analysis**: Identify and evaluate different scenarios for moving databases to Oracle Cloud.
- **Tool Proficiency**: Master key Oracle tools like RMAN, Data Pump, and GoldenGate for secure and efficient migrations.
- **Advantage and Limitation Evaluation**: Assess the strengths and weaknesses of various migration methods.
- **Zero Downtime Migration (ZDM)**: Learn advanced techniques to ensure business continuity during migrations.

https://mylearn.oracle.com/ou/learning-path/become-an-oracle-cloud-database-migration-professional-2024/138919

1Z0-1194-24 : Oracle Cloud Database Migration Professional 2024

- Number of Questions **50**
- Format **Multiple Choice**
- Duration **90 minutes**
- Passing Score **68%**

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Oracle Cloud Database Migration Professional 2024

In this Learning Path you will learn to :

- **Identify Cloud Migration Scenarios**
- **Oracle Tools Overview**
- **Evaluate Migration Methods**
- **ZDM/DMS**

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Cómo prepararse para el examén

- Sesión con Arquitecto Oracle
- Playlist videos mylearn.oracle.com
- Pruebas simuladas
- Laboratorios Livelabs

Cómo prepararse para el examén

Conocer el examen y los objetivos

Reunir materiales de estudio

Práctica con entornos reales o simulacros

Realizar evaluaciones

Apóyate en comunidades y foros

Planifica tu tiempo

Cómo prepararse para el examén

Estrategia de estudio

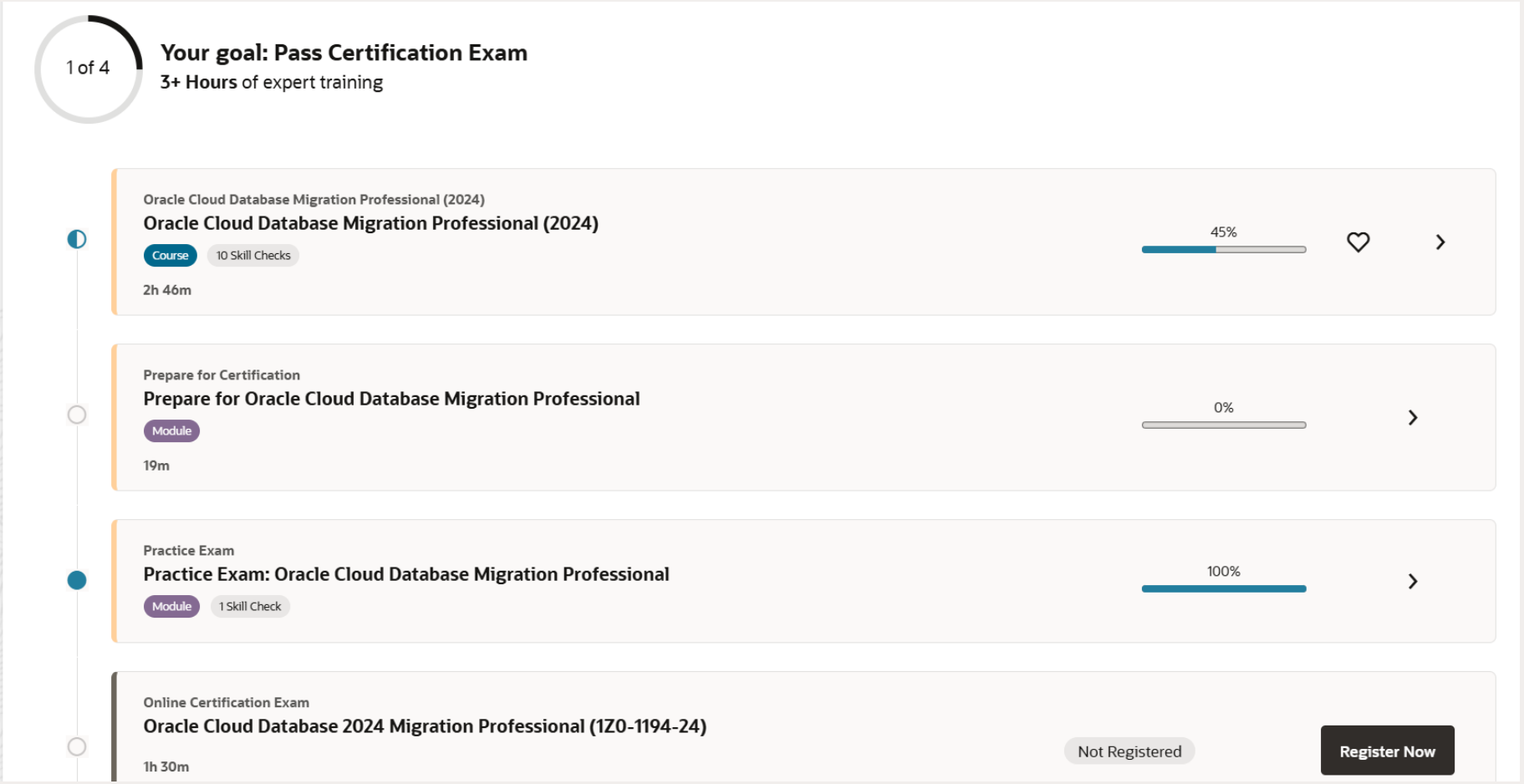
- **Dedica tiempo diario:** 2-3 horas al día.
- **Enfócate en los temas clave:** Según el temario oficial, prioriza herramientas y metodologías de migración.
- **Repasa conceptos básicos y avanzados:** Como arquitecturas de base de datos, compatibilidad entre versiones, y tuning para migraciones.

Cómo prepararse para el examén

Familiarízate con las herramientas y tecnologías utilizadas en las migraciones de Oracle Database:

- **Oracle Data Pump (expdp/impdp):** Para exportar e importar datos.
- **Oracle GoldenGate:** Para replicación en tiempo real.
- **RMAN (Recovery Manager):** Usado en migraciones y copias de seguridad.
- **Zero Downtime Migration (ZDM):** Para migraciones en vivo con mínima interrupción.
- **Oracle Cloud Infrastructure (OCI):** Aprende sobre las opciones de migración a la nube de Oracle.

Videos Clases + Livelabs + Material + Simulado Prueba



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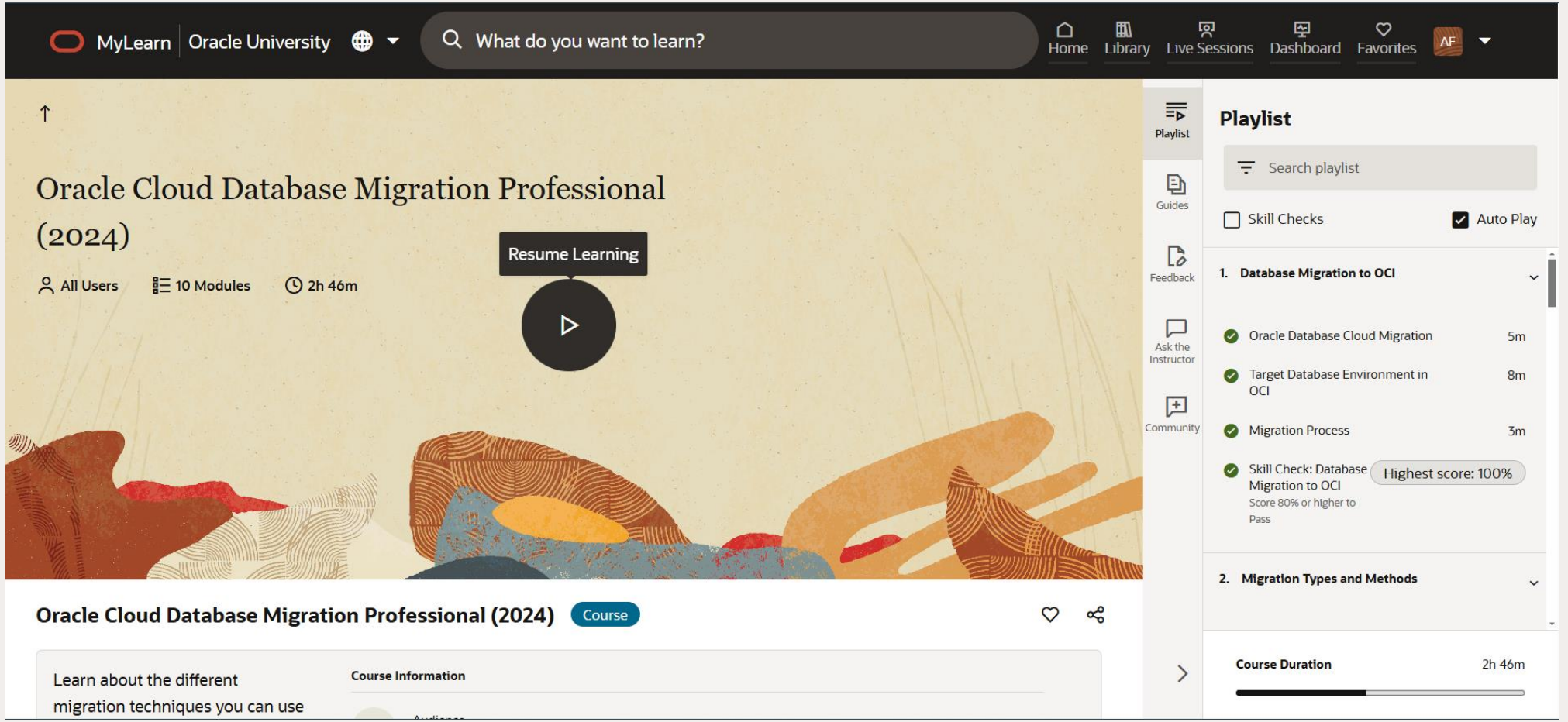
Playlist Oracle University Learning Subscription



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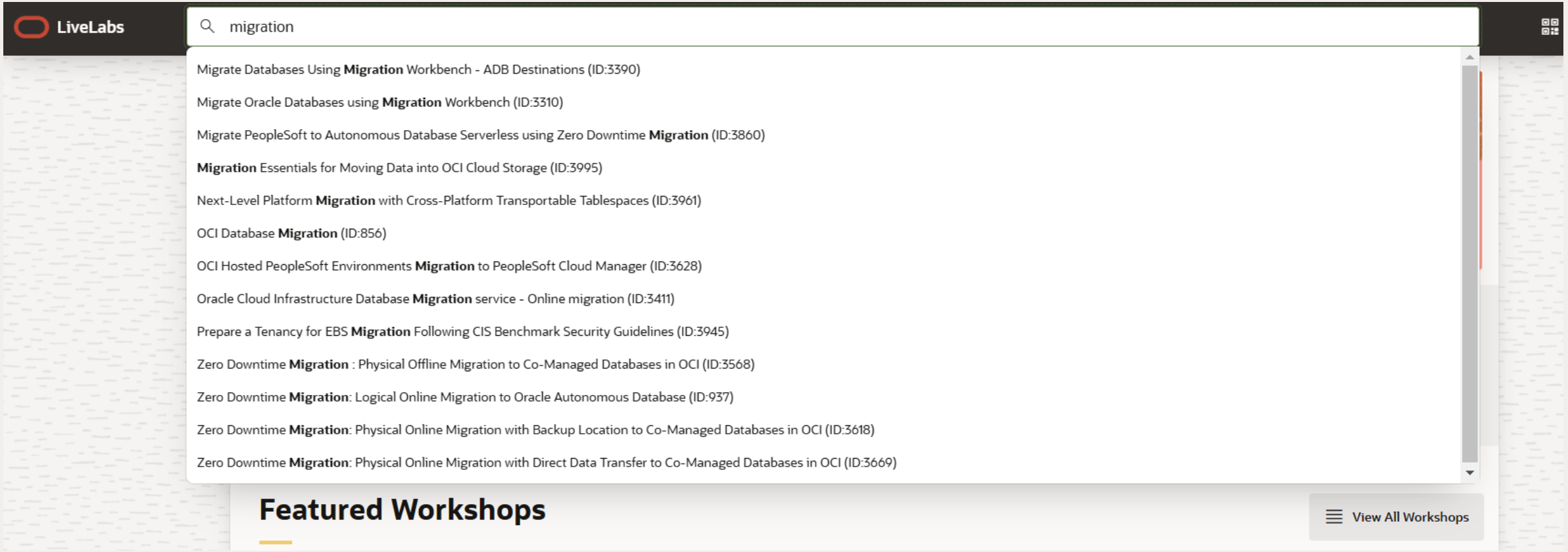
Pruebas simuladas

Simulacros de examen

- **Pruebas prácticas:** Utiliza plataformas como:
  - Whizlabs
  - Udemy (cursos con preguntas específicas de certificaciones Oracle)
  - Oracle Practice Tests (Oracle University).
- **Evaluación constante:** Realiza simulacros para identificar áreas que necesitan refuerzo.

Livelabs

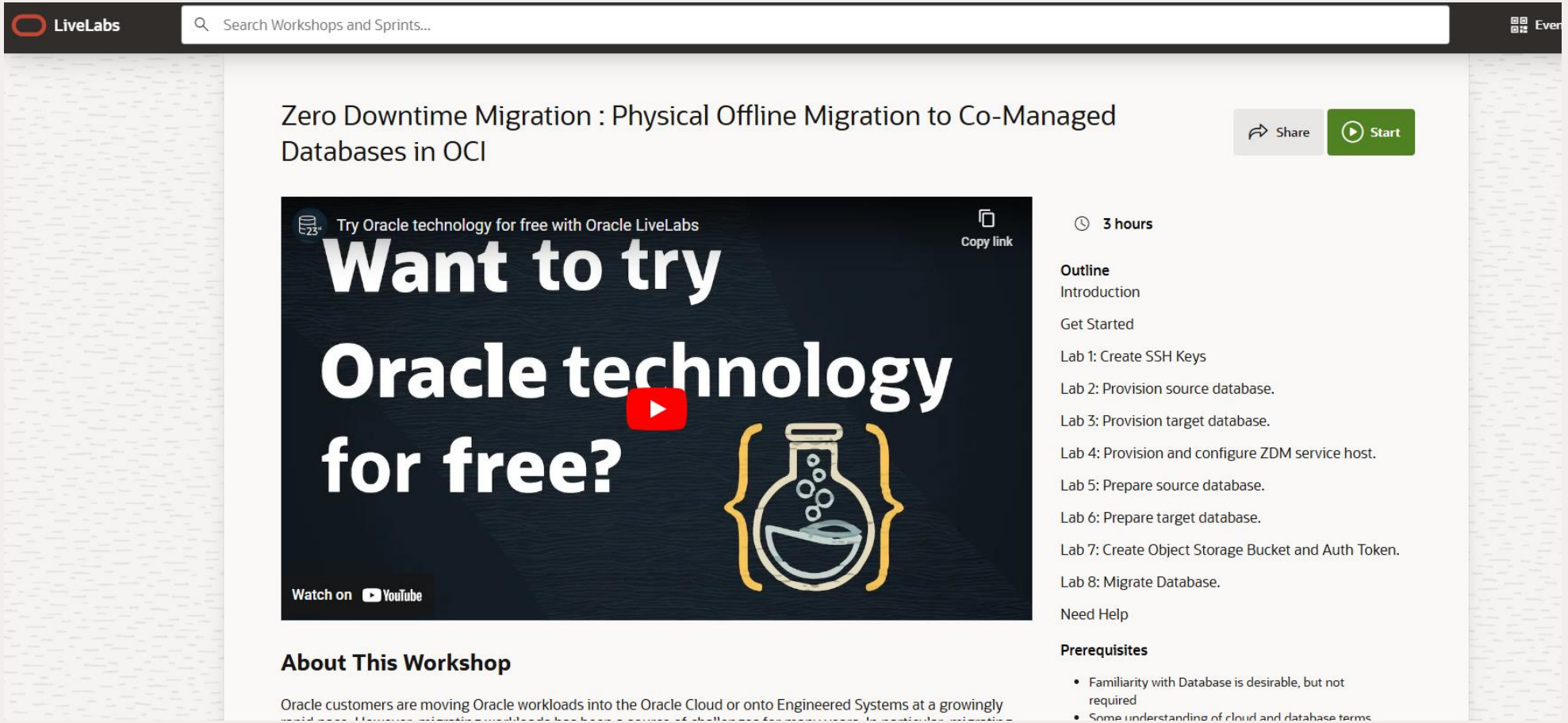


https://apexapps.oracle.com/pls/apex/dbpm/r/livelabs/home

Livelabs

Practica con escenarios reales

- **Configura un entorno de práctica:**
  - Descarga una versión gratuita de Oracle Database y Oracle Cloud Infrastructure (OCI) Free Tier.
  - Simula migraciones de bases de datos locales a la nube o entre diferentes versiones.
- **Crea casos prácticos:**
  - Migra una base de datos con Data Pump y verifica los resultados.
  - Realiza una replicación con GoldenGate.
  - Utiliza RMAN para mover bases de datos.



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Zero Downtime Migration: Logical Online Migration to Oracle Autonomous Database

Share Start

3 hours

Outline

- Introduction
- Getting Started
- ZDM Fundamentals
- Creating SSH Keys
- Provisioning a Compute Instance
- Installing Zero Downtime Migration
- Configuring the Environment
- Setting up the Source Database
- Provisioning the Target Autonomous Database
- Token and Authentication Credential Management
- Setting Up the GoldenGate Hub
- Preparing the Response File
- Migrating your Database

Prerequisites

- Familiarity with Database is required
- Some understanding of cloud and database terms is helpful
- Familiarity with Oracle Cloud Infrastructure (OCI) is helpful

About This Workshop

Oracle customers are moving Oracle workloads into the Oracle Cloud or onto Engineered Systems at a growingly rapid pace. However, migrating workloads has been a source of challenges for many years. In particular, migrating

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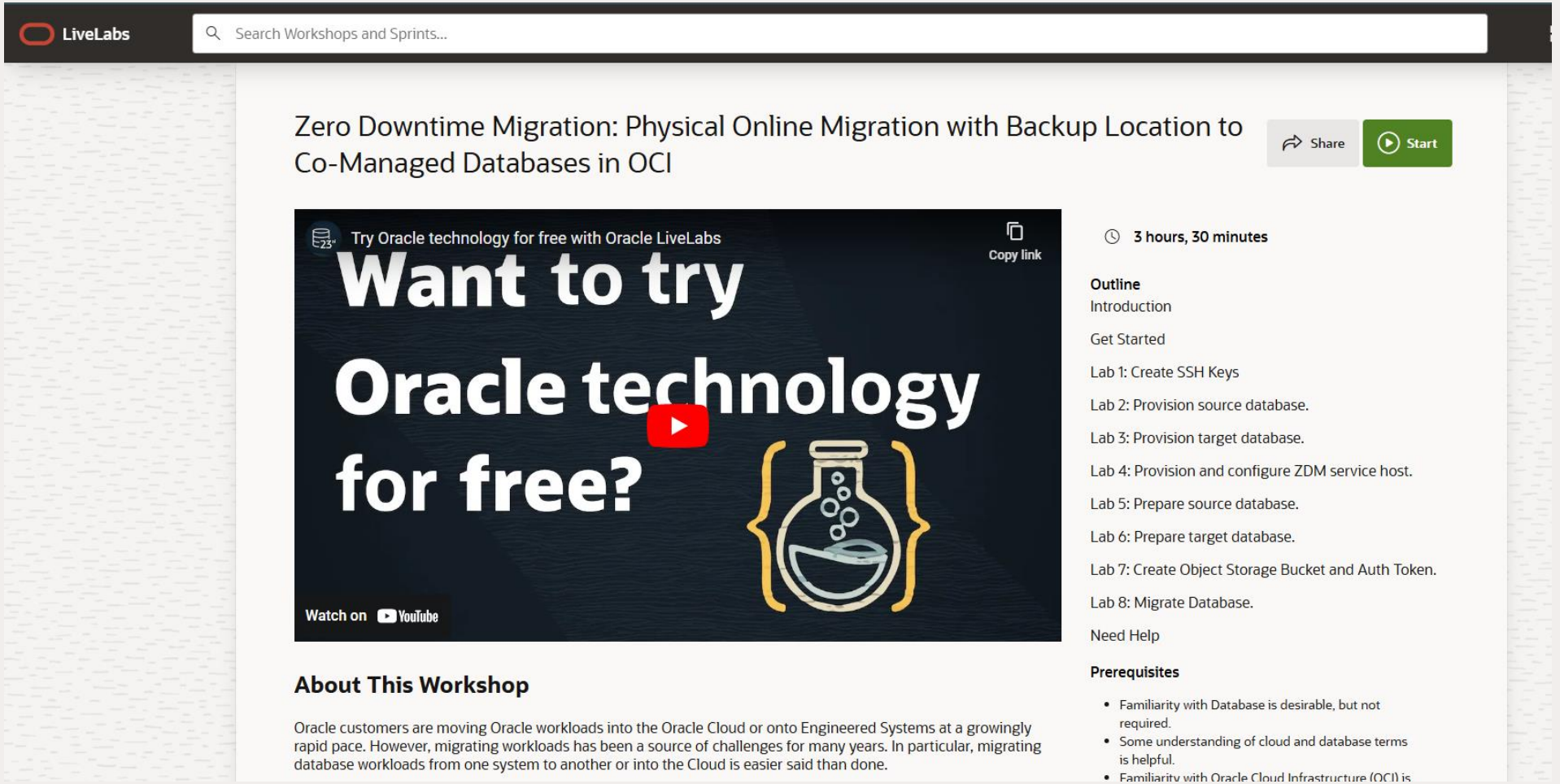

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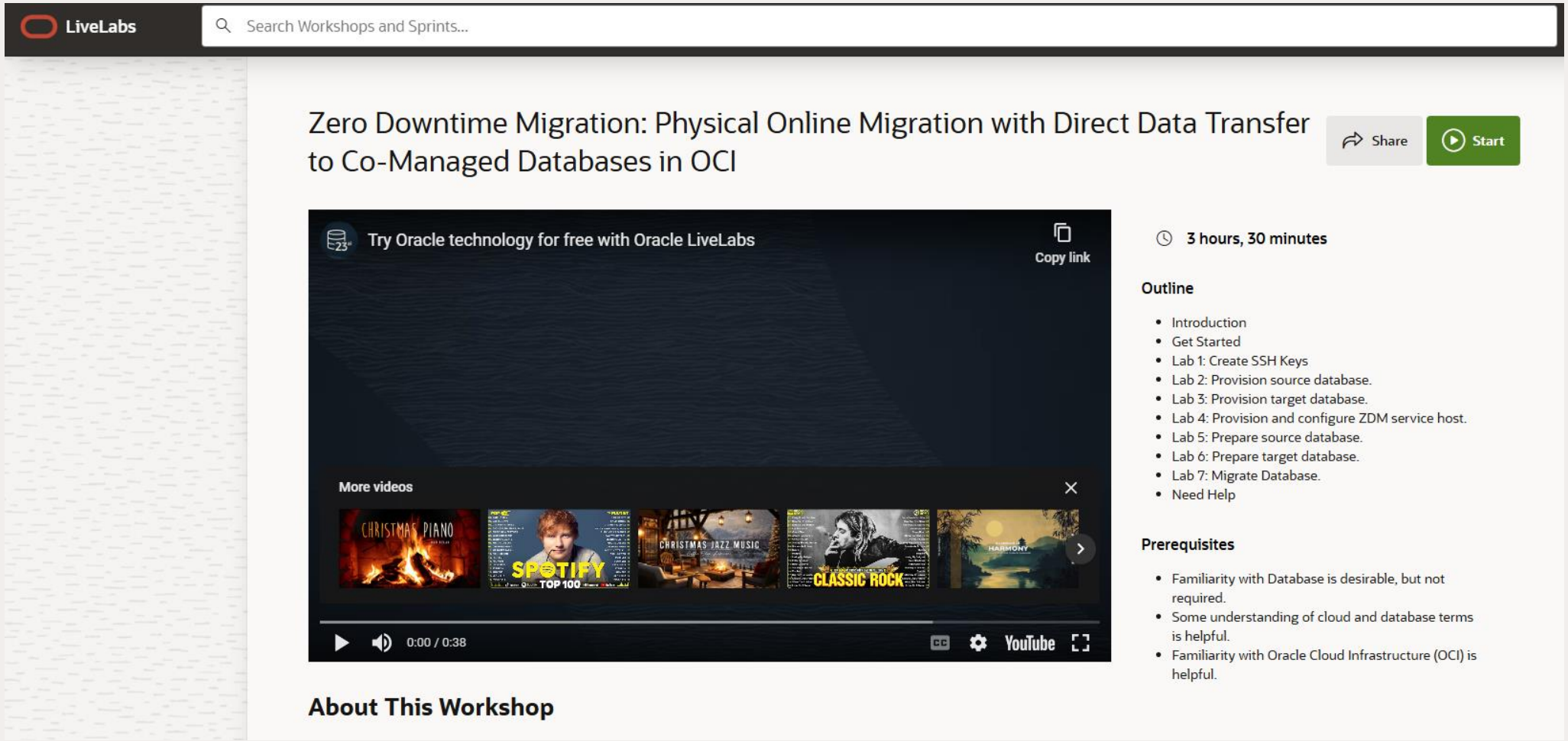

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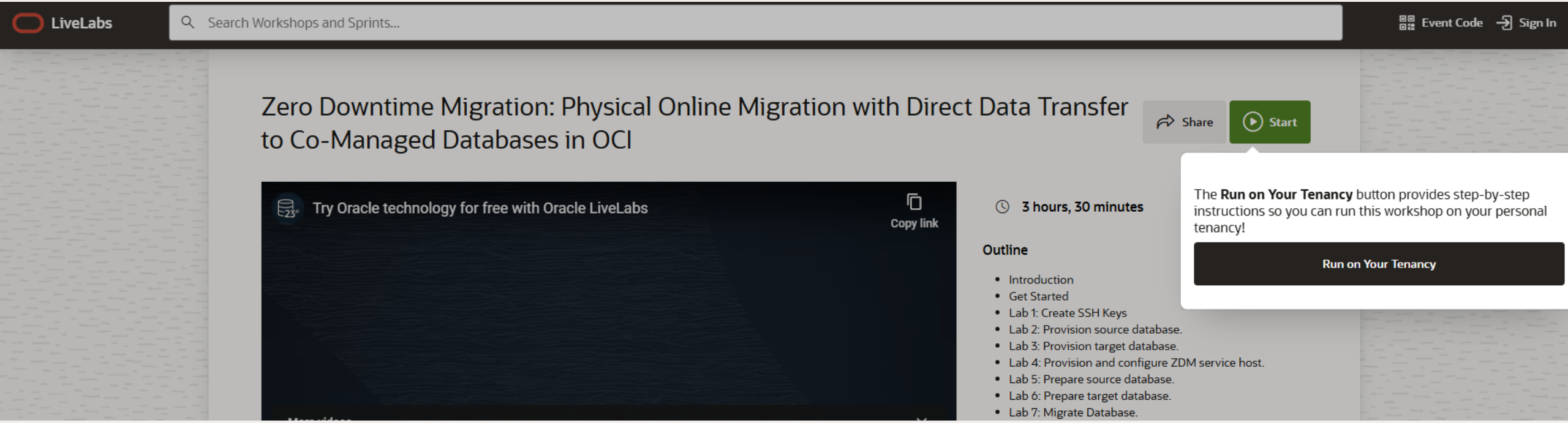
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Zero Downtime Migration: Physical Online Migration with Direct Data Transfer to Co-Managed Databases in OCI
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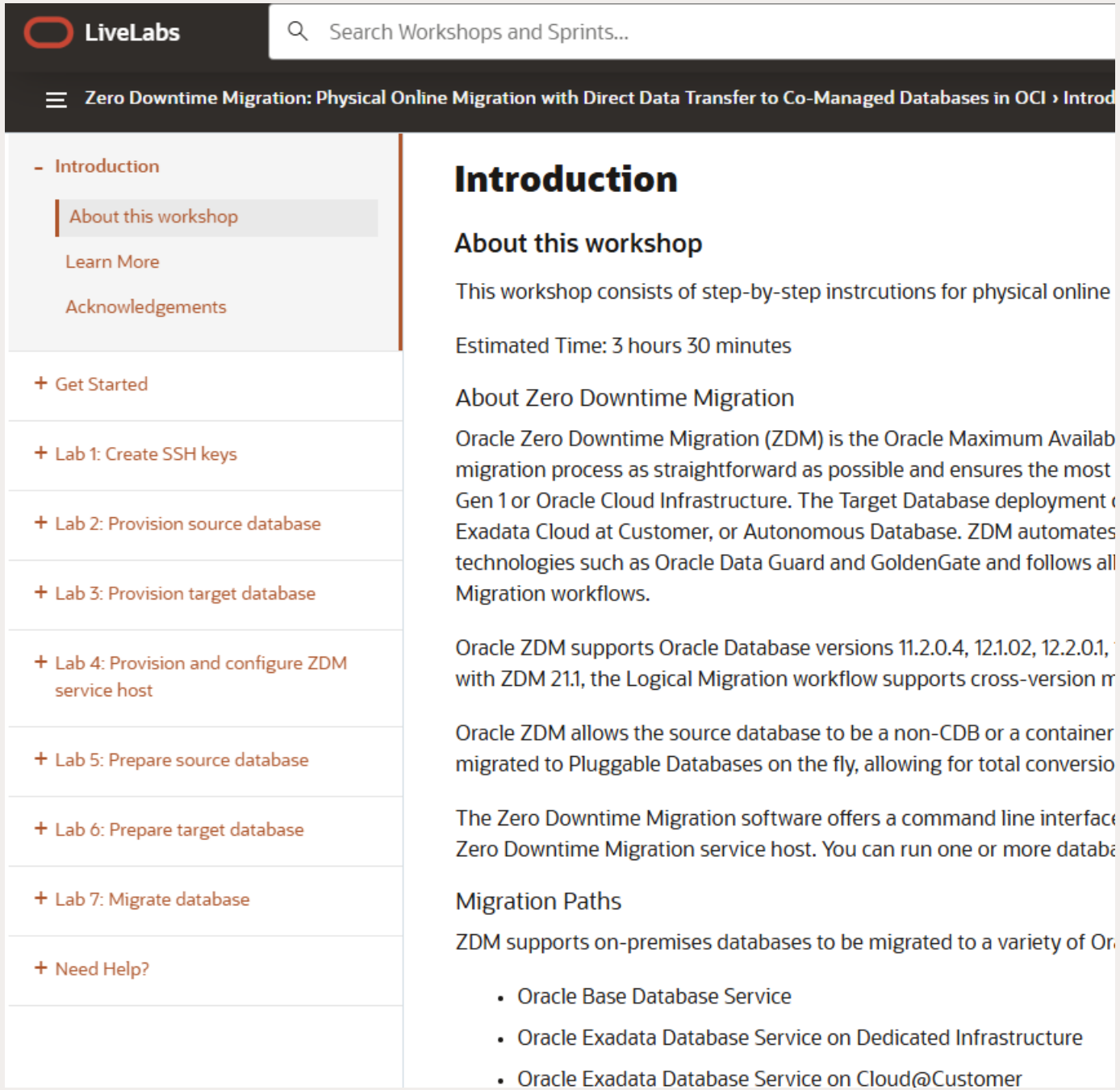
3 hours, 30 minutes
Outline
Introduction
Get Started
Lab 1: Create SSH Keys
Lab 2: Provision source database.
Lab 3: Provision target database.
Lab 4: Provision and configure ZDM service host.
Lab 5: Prepare source database.
Lab 6: Prepare target database.
Lab 7: Migrate Database.
The Run on Your Tenancy button provides step-by-step instructions so you can run this workshop on your personal tenancy!
Run on Your Tenancy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- Introduction
About this workshop
Learn More
Acknowledgements
+ Get Started
+ Lab 1: Create SSH keys
+ Lab 2: Provision source database
+ Lab 3: Provision target database
+ Lab 4: Provision and configure ZDM service host
+ Lab 5: Prepare source database
+ Lab 6: Prepare target database
+ Lab 7: Migrate database
+ Need Help?
Introduction
About this workshop
This workshop consists of step-by-step instrcutions for physical online
Estimated Time: 3 hours 30 minutes
About Zero Downtime Migration
Oracle Zero Downtime Migration (ZDM) is the Oracle Maximum Availab
migration process as straightforward as possible and ensures the most
Gen 1 or Oracle Cloud Infrastructure. The Target Database deployment
Exadata Cloud at Customer, or Autonomous Database. ZDM automates
technologies such as Oracle Data Guard and GoldenGate and follows all
Migration workflows.
Oracle ZDM supports Oracle Database versions 11.2.0.4, 12.1.02, 12.2.0.1,
with ZDM 21.1, the Logical Migration workflow supports cross-version m
Oracle ZDM allows the source database to be a non-CDB or a container
migrated to Pluggable Databases on the fly, allowing for total conversio
The Zero Downtime Migration software offers a command line interface
Zero Downtime Migration service host. You can run one or more databa
Migration Paths
ZDM supports on-premises databases to be migrated to a variety of Or
Oracle Base Database Service
Oracle Exadata Database Service on Dedicated Infrastructure
Oracle Exadata Database Service on Cloud@Customer

+ Introduction
+ Get Started
+ Lab 1: Create SSH keys
- Lab 2: Provision source database
Introduction
Task 1 : Create Virtual Cloud Network
Task 2 : Provision Source Database
Acknowledgements
+ Lab 3: Provision target database
+ Lab 4: Provision and configure ZDM service host
+ Lab 5: Prepare source database
+ Lab 6: Prepare target database
+ Lab 7: Migrate database
+ Need Help?

AMD
Virtual machine, 1 core OCPU, 16 GB memory, 1 Gbps network bandwidth
Change shape

8. Under **Networking** , please enter details as shown below.

Networking

Collapse

Networking is how your instance connects to the internet and other resources in the Console. To make sure you can connect to your instance, assign a public IP address to the instance.

Primary network
- (•) Select existing virtual cloud network
- ( ) Create new virtual cloud network
- ( ) Enter subnet OCID

Virtual cloud network in [redacted] (Change Compartment)

ZDM-VCN

Subnet
An IP address from a public subnet and an internet gateway on the VCN are required to make this instance accessible from the internet.
- (•) Select existing subnet
- ( ) Create new public subnet

Subnet in [redacted] (Change Compartment)

Public Subnet-ZDM-VCN (regional)

Public IPv4 address
- (•) Assign a public IPv4 address
- ( ) Do not assign a public IPv4 address

9. Under **Add SSH keys**.

Cómo prepararse para el examén

- RMAN-00569: This error stack banner message indicates that there are errors in the RMAN output. Other error messages will follow to explain the reason for the error.
- RMAN-01109: This message indicates that the RMAN client failed and provides the file name where the client diagnostics traces are logged.
- RMAN-01110: This message indicates that there was an RMAN failure during the command execution phase and provides the file name where the server diagnostics traces are logged.
- RMAN-01111: This message indicates that the RMAN client failed to connect to a server and that RMAN server traces were not dumped.
- ORA-19511: This message indicates that there was an error from the media manager. The media manager's message should provide enough information to fix the problem.
- RMAN-03002 or RMAN-03009: These messages indicate which command failed.
- RMAN-00558: This message indicates that there was a syntax error.

Oracle Data Pump error messages

- **ORA-39001**: Invalid argument value
- **ORA-31626**: Job does not exist
- **ORA-39002**: Invalid operation
- **ORA-39070**: Unable to open the log file
- **ORA-29283**: Invalid file operation: path traverses a symlink
- **ORA-39324**: Cannot load data from Data Pump dump file
- **ORA-39405**: Oracle Data Pump does not support importing from a source database with TSTZ version string into a target database with TSTZ version string
- **ORA-39402**: If this message is seen before the job has started, then retry the operation using a different name or directory object for the log or SQL file
- **ORA-31622**: The end of the dump file input was reached unexpectedly

Cómo prepararse para el examén

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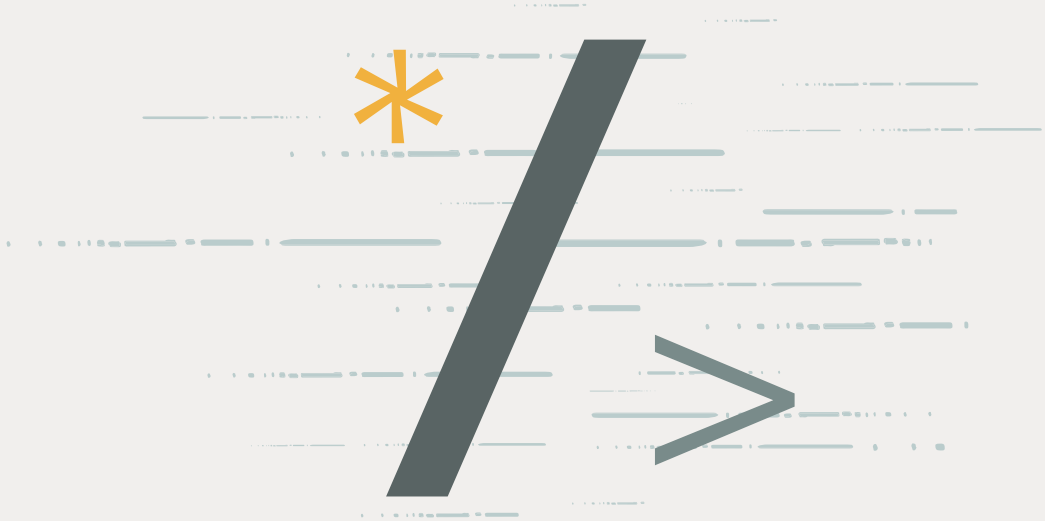
ORACLE

Thank you!



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