ORACLE

Oracle Database In-Memory

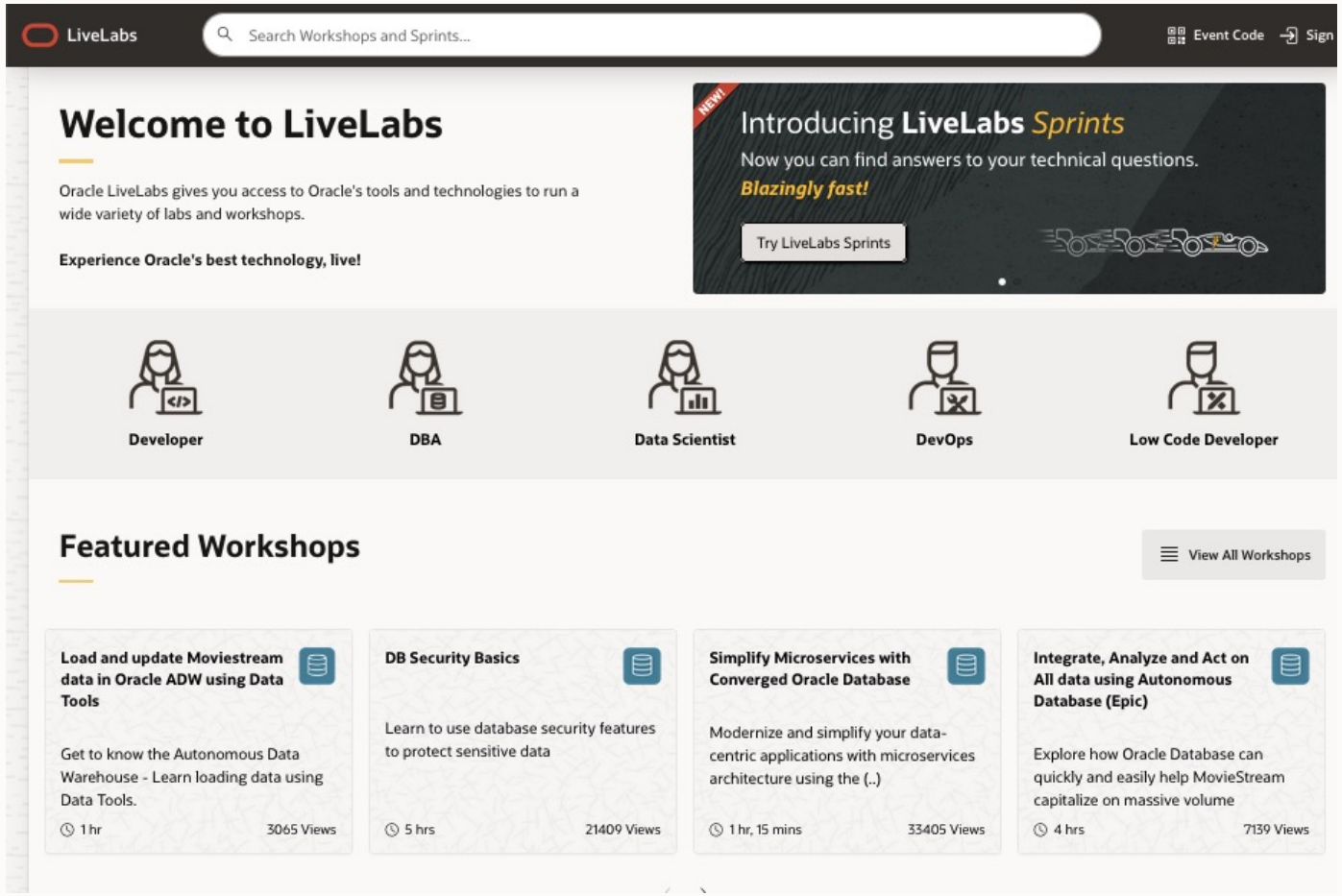
AskTOM Office Hours – Advanced Features LiveLab – July 12, 2023

Andy Rivenes
Database In-Memory Product Manager
Twitter: @TheInMemoryGuy
Email: andy.rivenes@oracle.com

LiveLabs – Database In-Memory Advanced Features

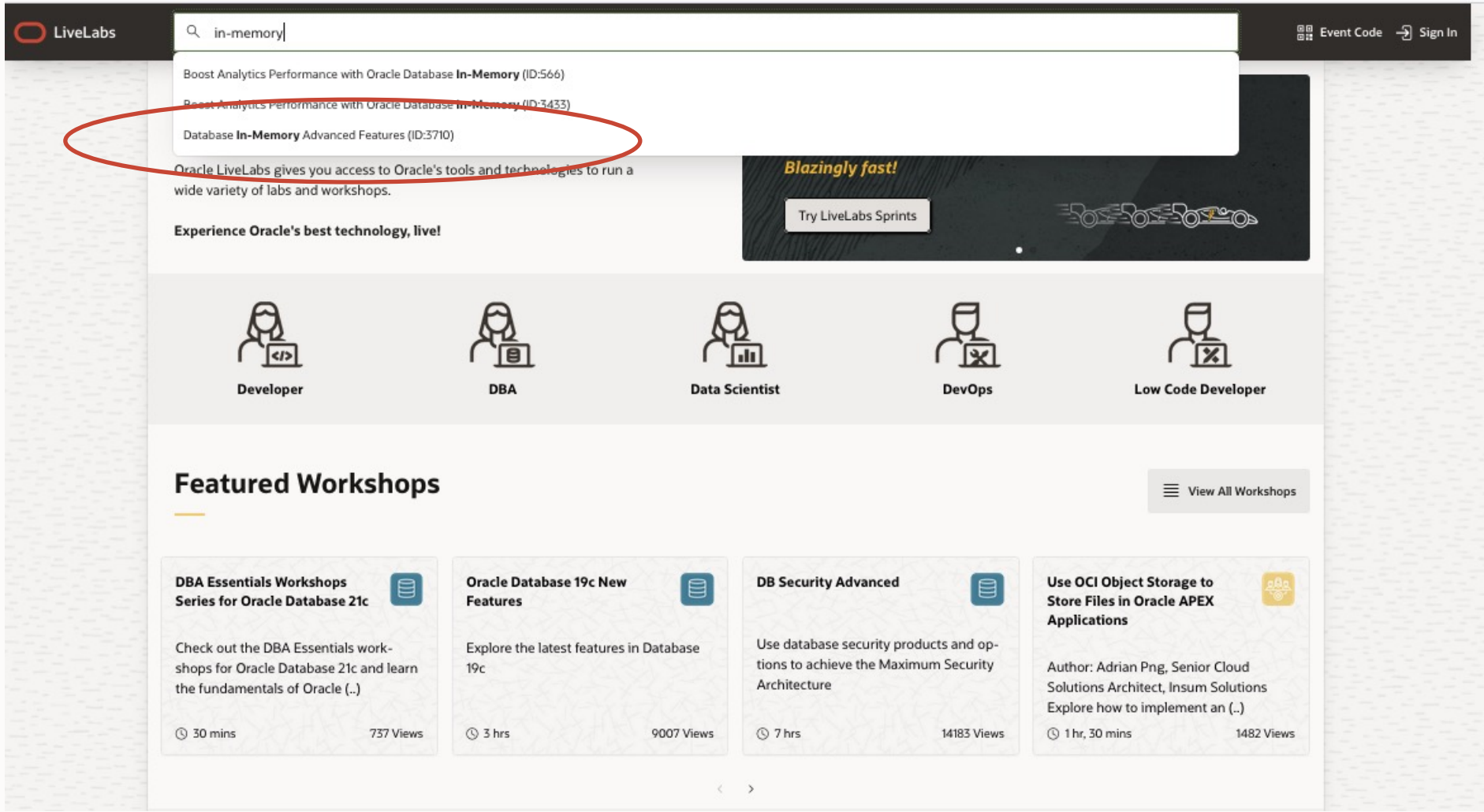
Copyright © 2023, Oracle and/or its affiliates

Oracle LiveLabs - https://developer.oracle.com/livelabs



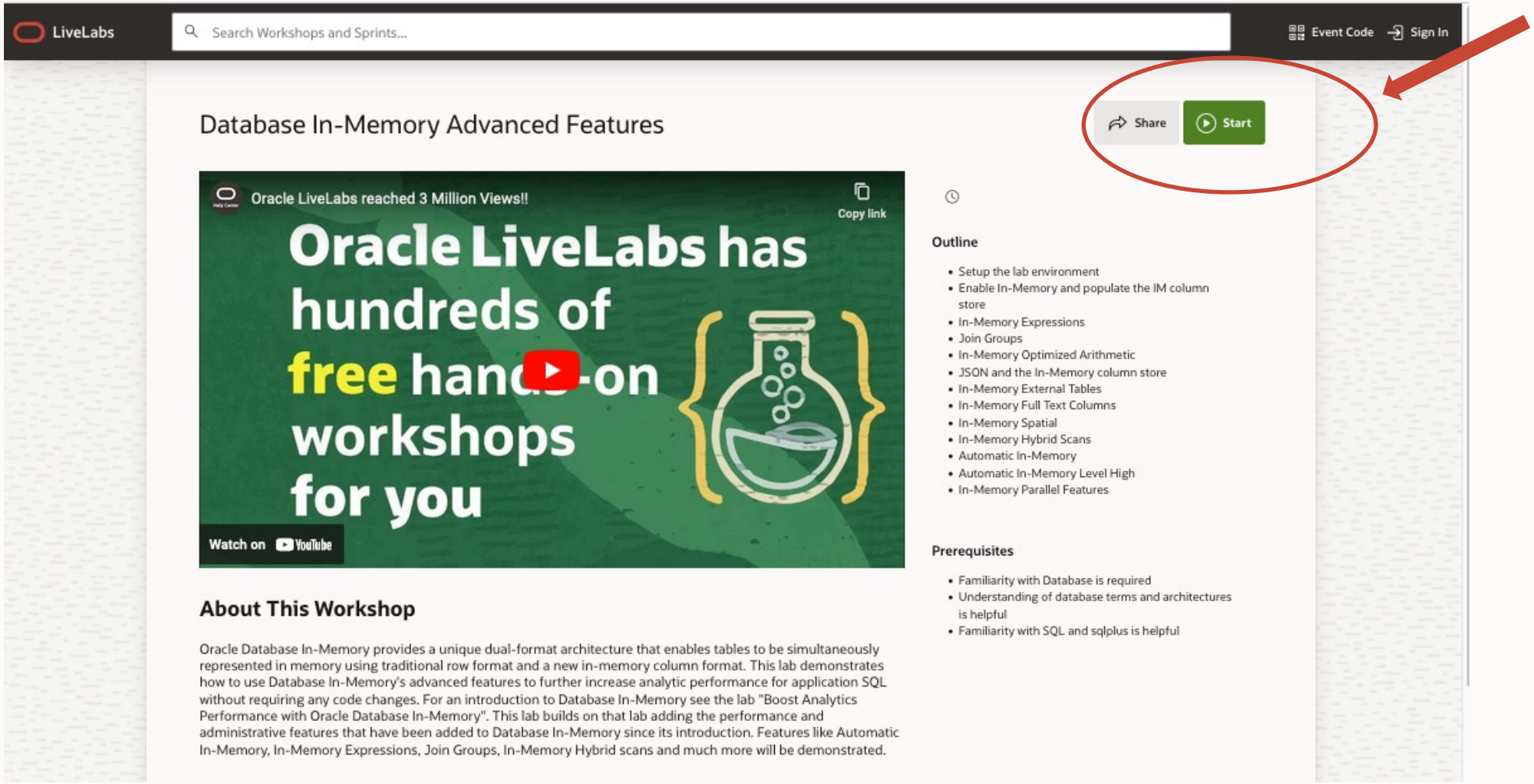
Copyright © 2023, Oracle and/or its affiliates

Oracle LiveLabs - https://developer.oracle.com/livelabs



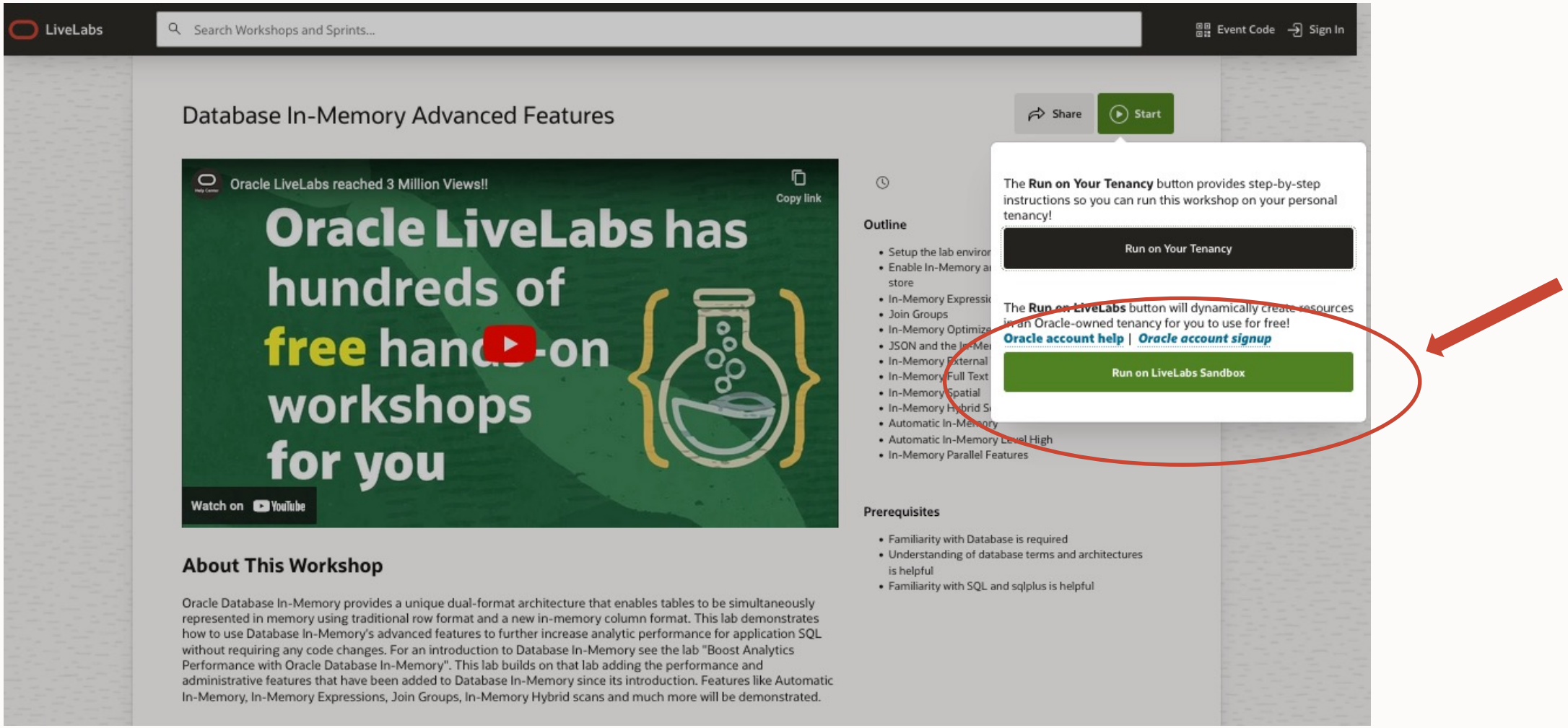
Copyright © 2023, Oracle and/or its affiliates

Database In-Memory Advanced Features LiveLabs page



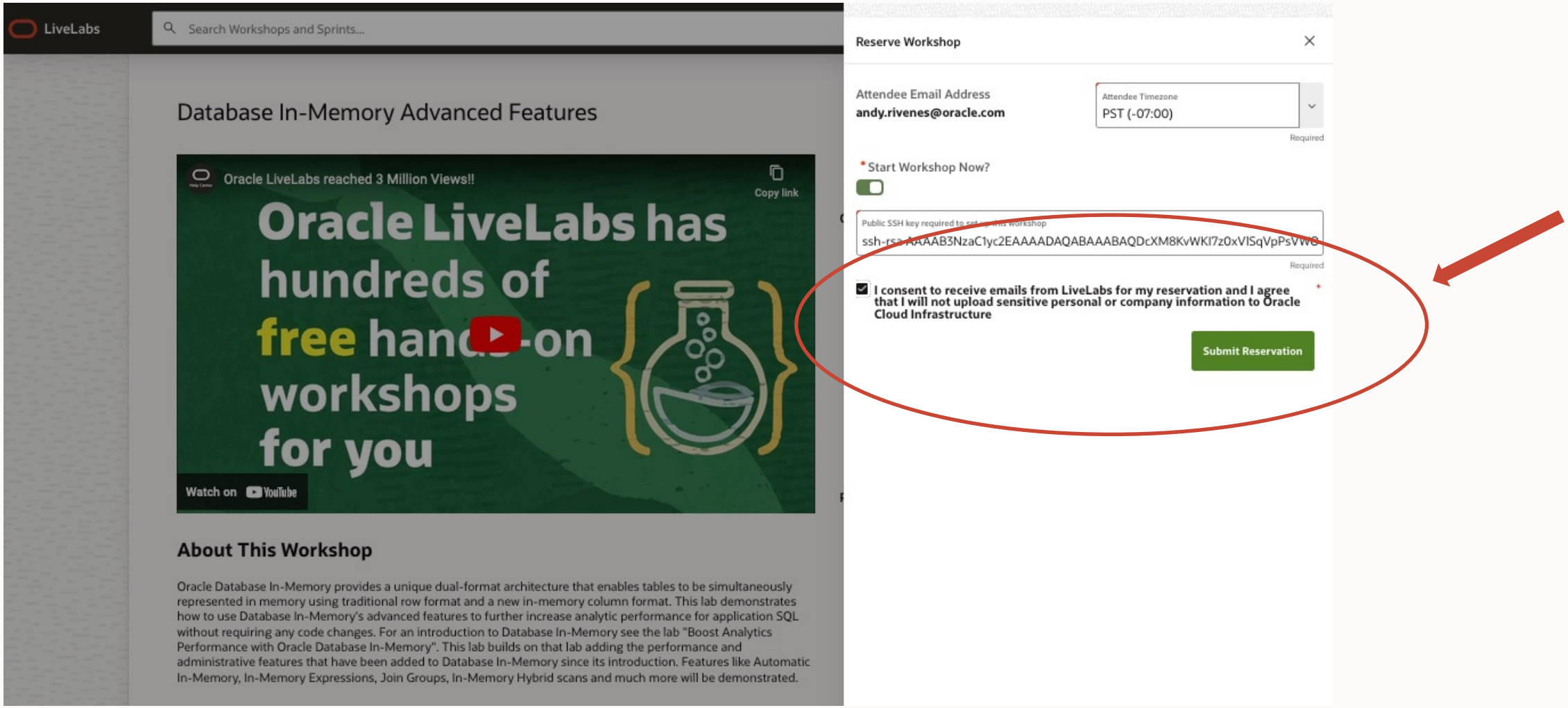
Copyright © 2023, Oracle and/or its affiliates

LiveLabs Sandbox



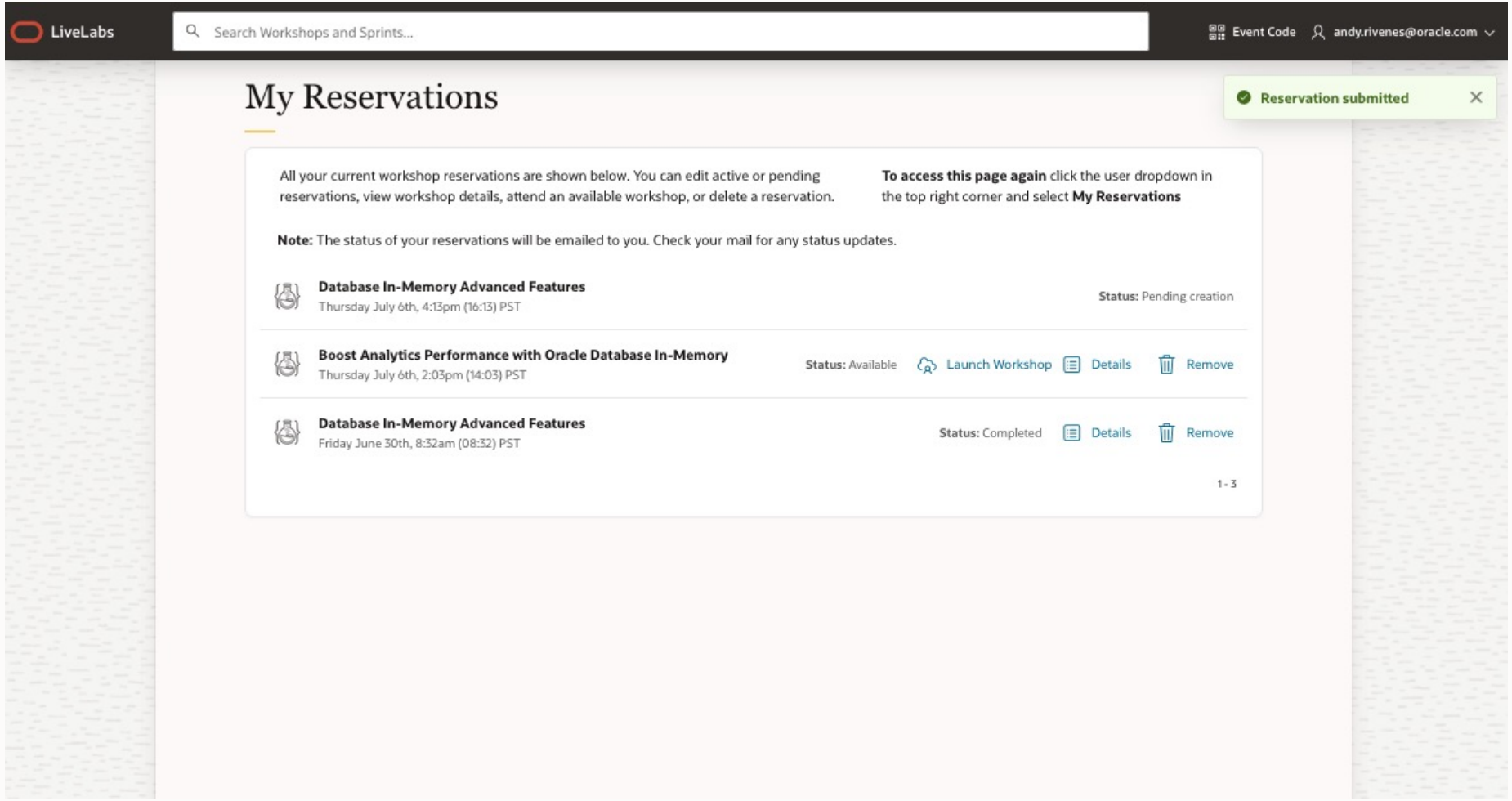
Copyright © 2023, Oracle and/or its affiliates

Sandbox Reservation



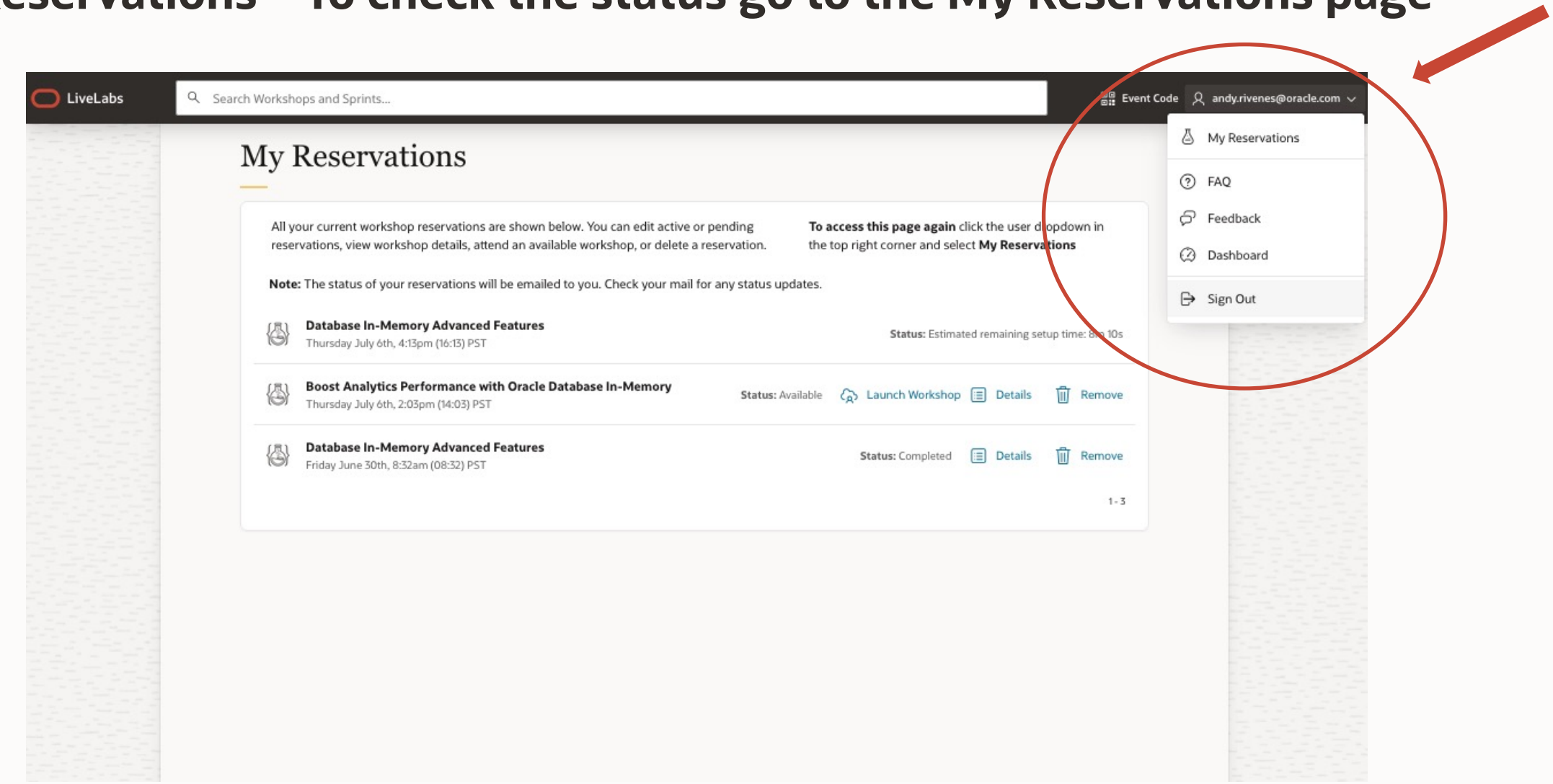
Copyright © 2023, Oracle and/or its affiliates

Reservations – It takes a few minutes to create your environment



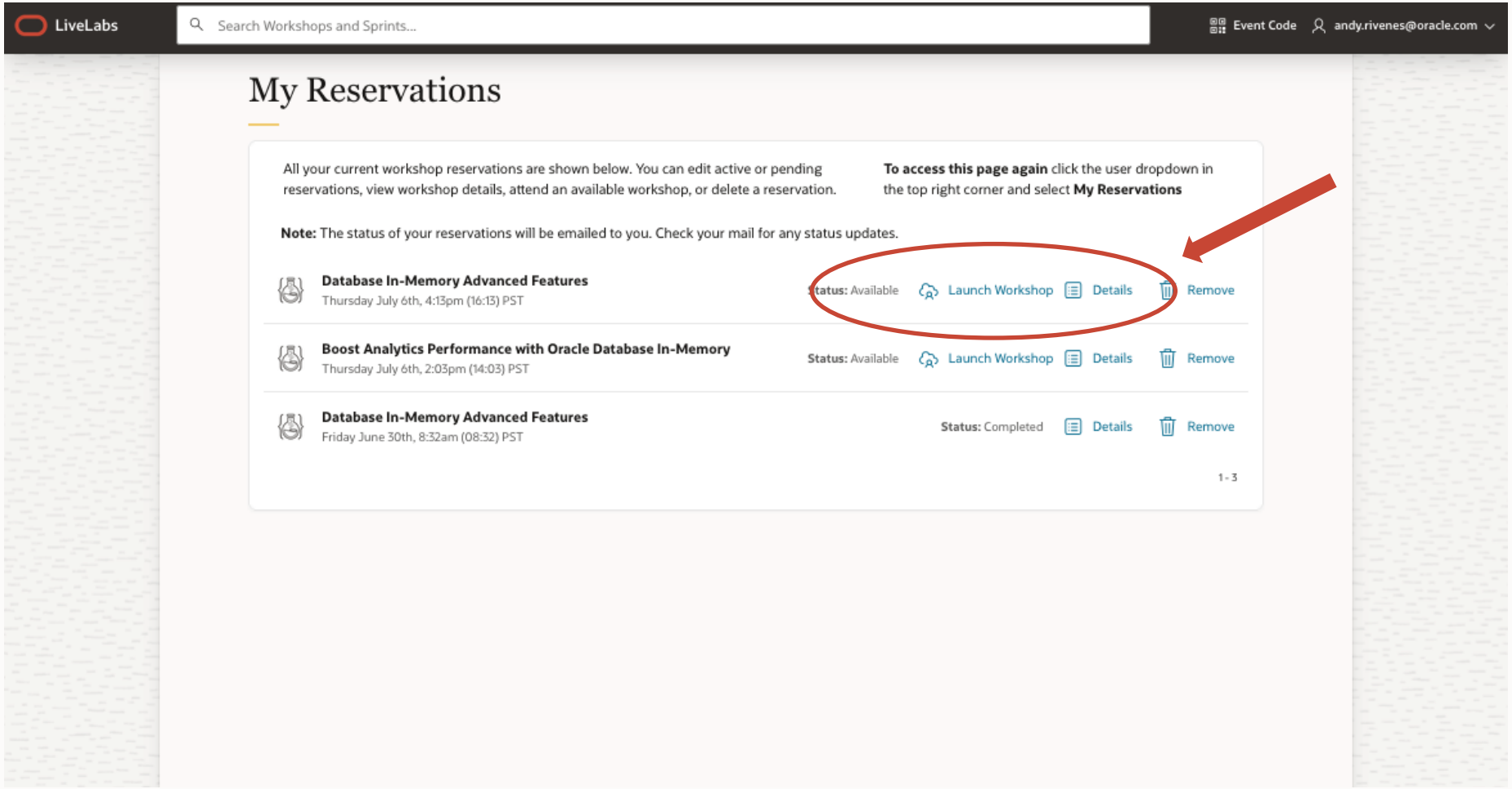
Copyright © 2023, Oracle and/or its affiliates

Reservations – To check the status go to the My Reservations page



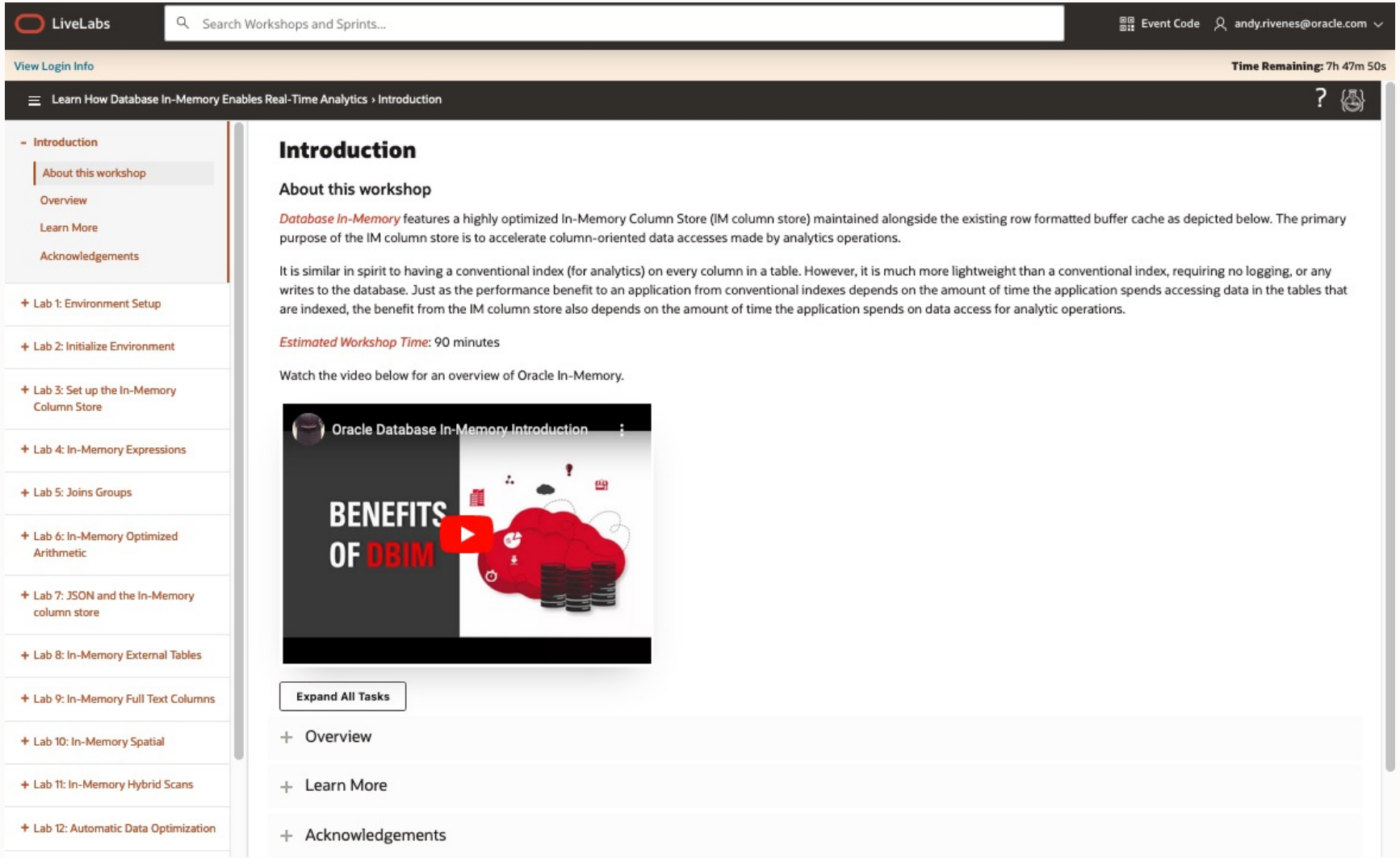
Copyright © 2023, Oracle and/or its affiliates

Workshop is ready – click on Launch Workshop



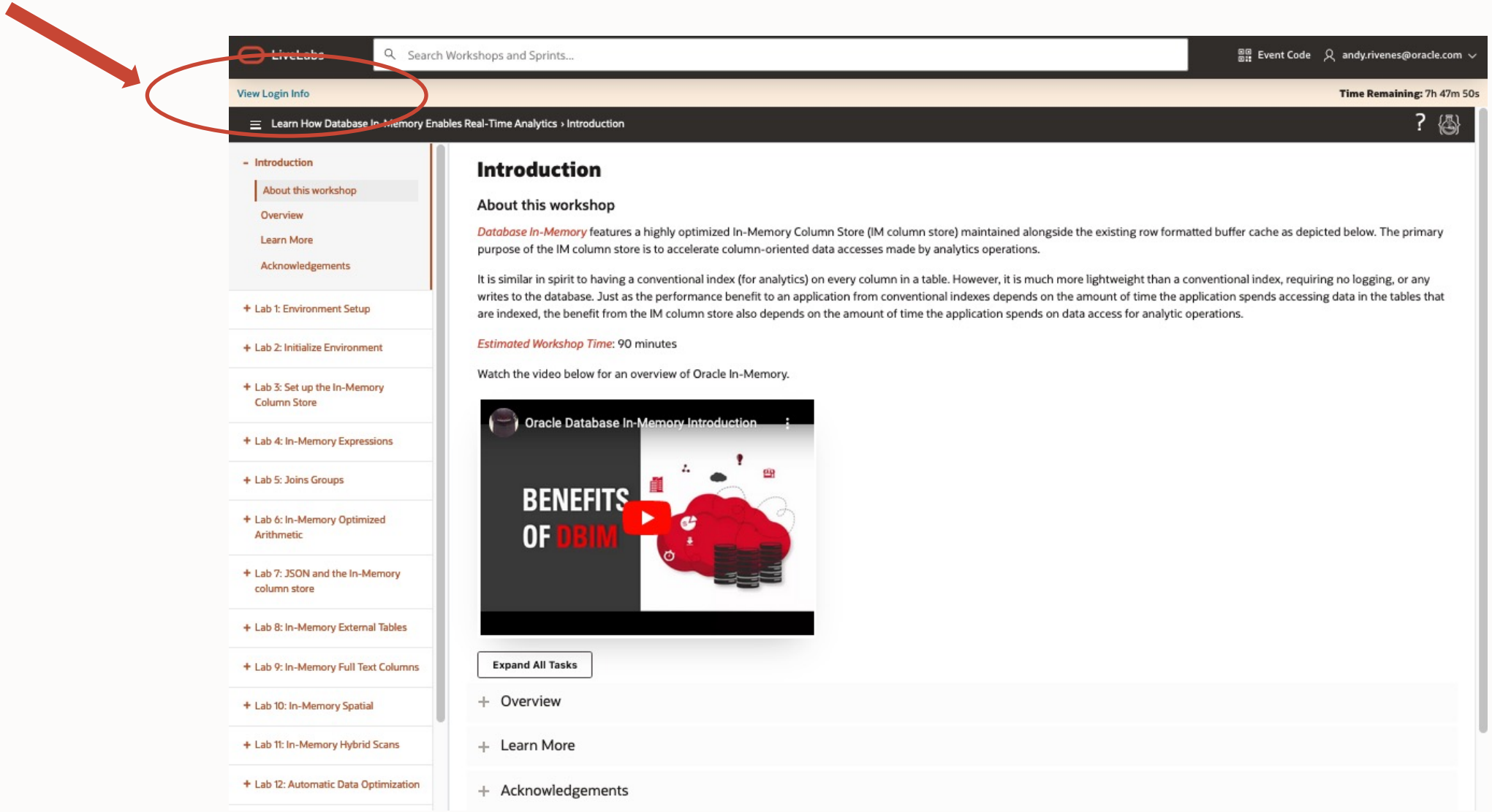
Copyright © 2023, Oracle and/or its affiliates

Lab Landing Page



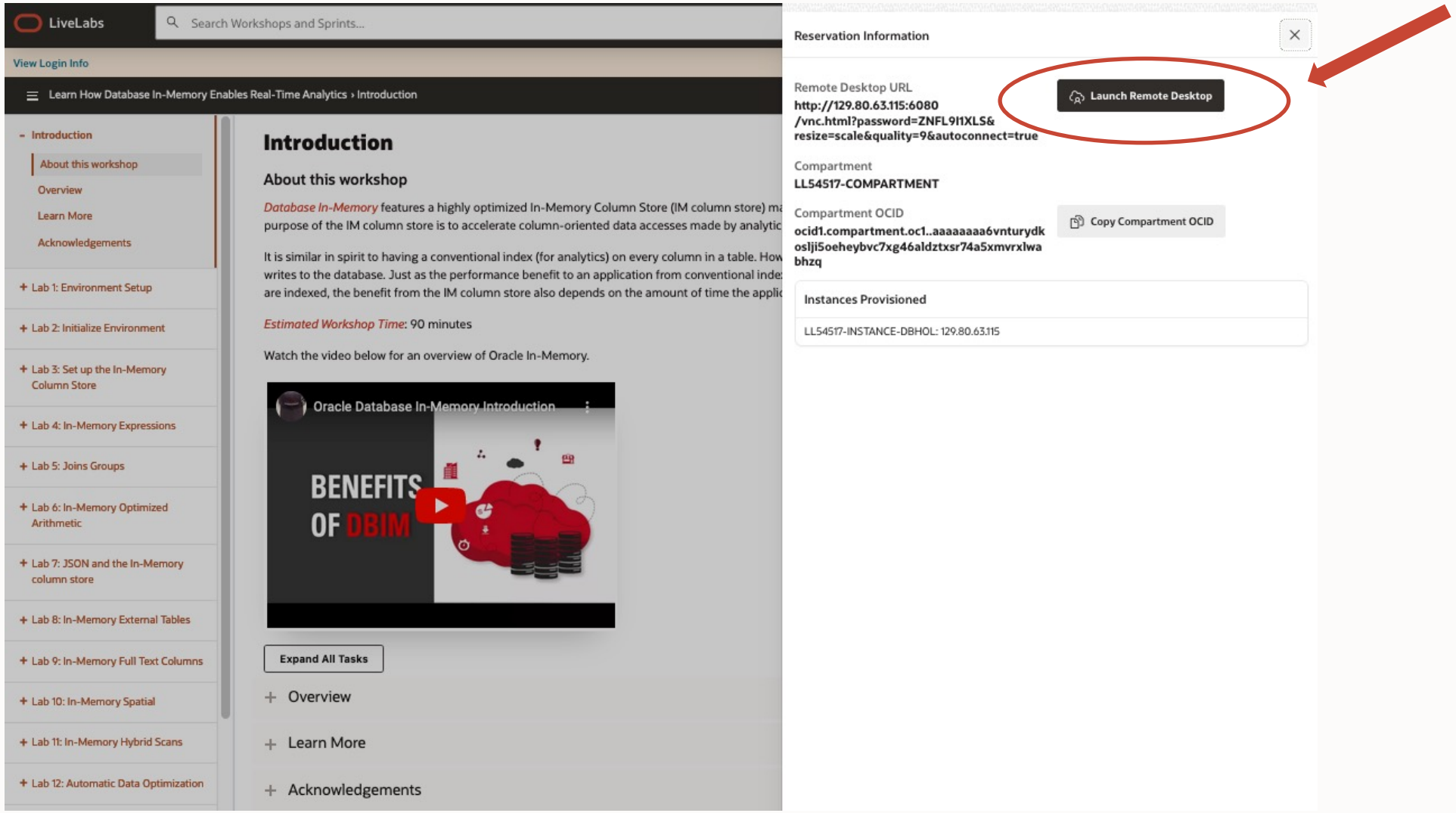
Copyright © 2023, Oracle and/or its affiliates

Lab Landing Page – Click “View Login Info”



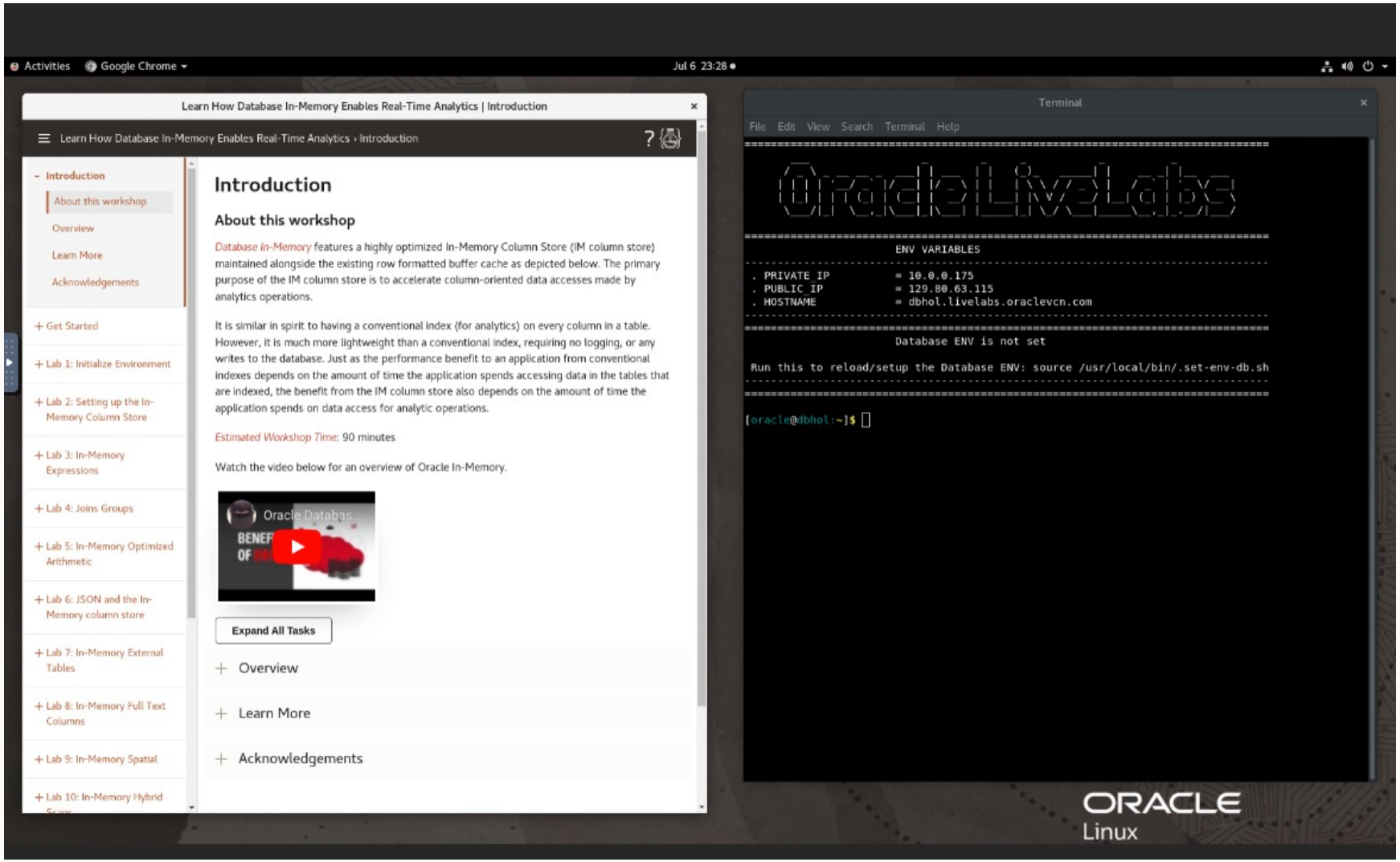
Copyright © 2023, Oracle and/or its affiliates

Launch the Workshop Environment



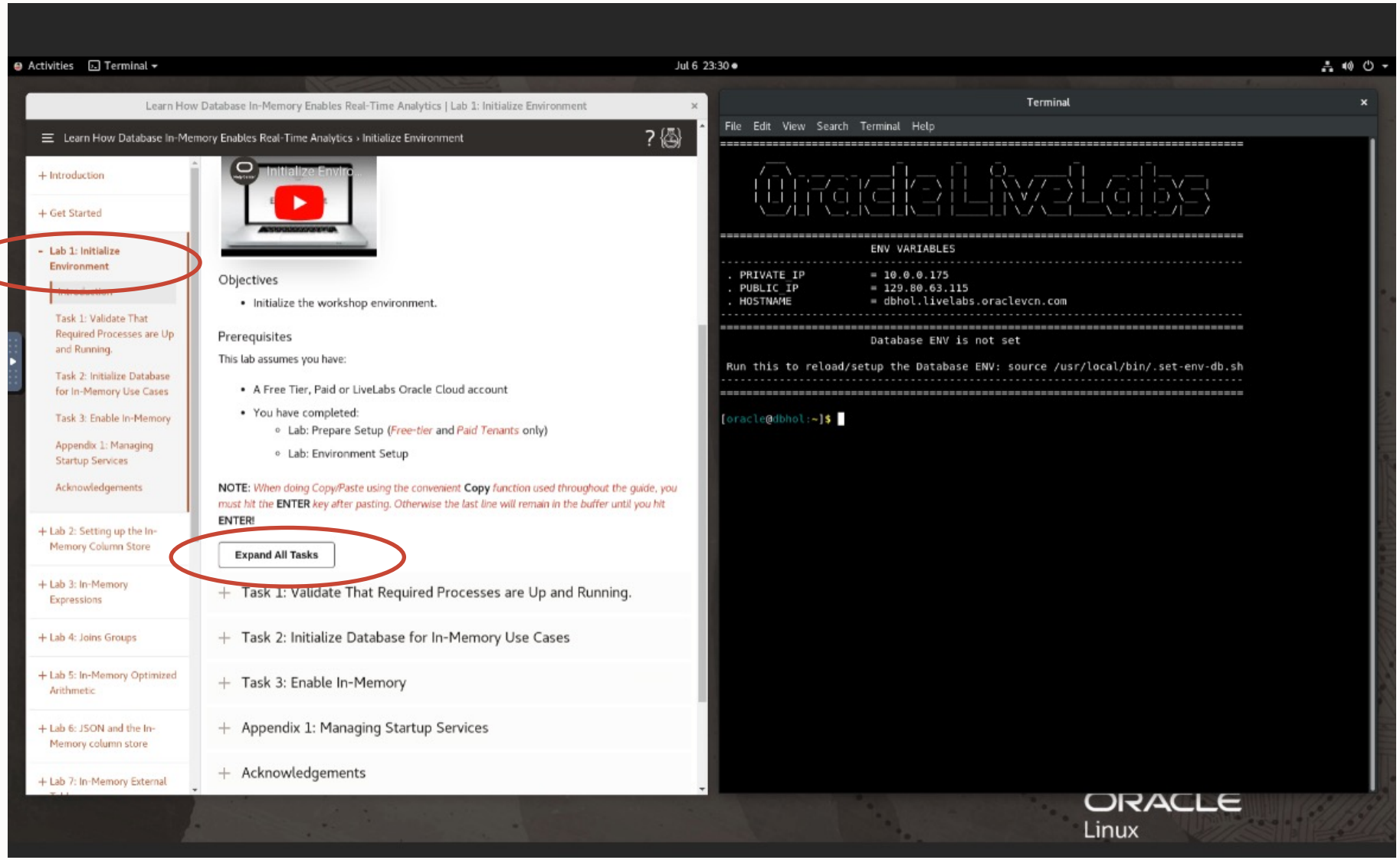
Copyright © 2023, Oracle and/or its affiliates

In-Memory Advanced Features LiveLabs environment



Copyright © 2023, Oracle and/or its affiliates

Get Started with the Lab



Copyright © 2023, Oracle and/or its affiliates

Lab Agenda

- Introduction
- Get Started
- Lab 1: Initialize Environment
- Lab 2: Setting up the In-Memory Column Store
- Lab 3: In-Memory Expressions
- Lab 4: Joins Groups
- Lab 5: In-Memory Optimized Arithmetic
- Lab 6: JSON and the In-Memory column store
- Lab 7: In-Memory External Tables
- Lab 8: In-Memory Full Text Columns
- Lab 9: In-Memory Spatial
- Lab 10: In-Memory Hybrid Scans
- Lab 11: Automatic Data Optimization
- Lab 12: Automatic In-Memory
- Lab 13: Automatic In-Memory Level High
- Lab 14: In-Memory Parallel Features

Copyright © 2023, Oracle and/or its affiliates

Running the Lab

- Be sure to follow the directions in Lab 1 and Lab 2 to setup the environment correctly
- The LINEORDER table is partitioned on year
- The new labs use the same environment as the Boost Analytics lab
- The new labs, starting with Lab 3 can be run in any order

Copyright © 2023, Oracle and/or its affiliates

Additional Information

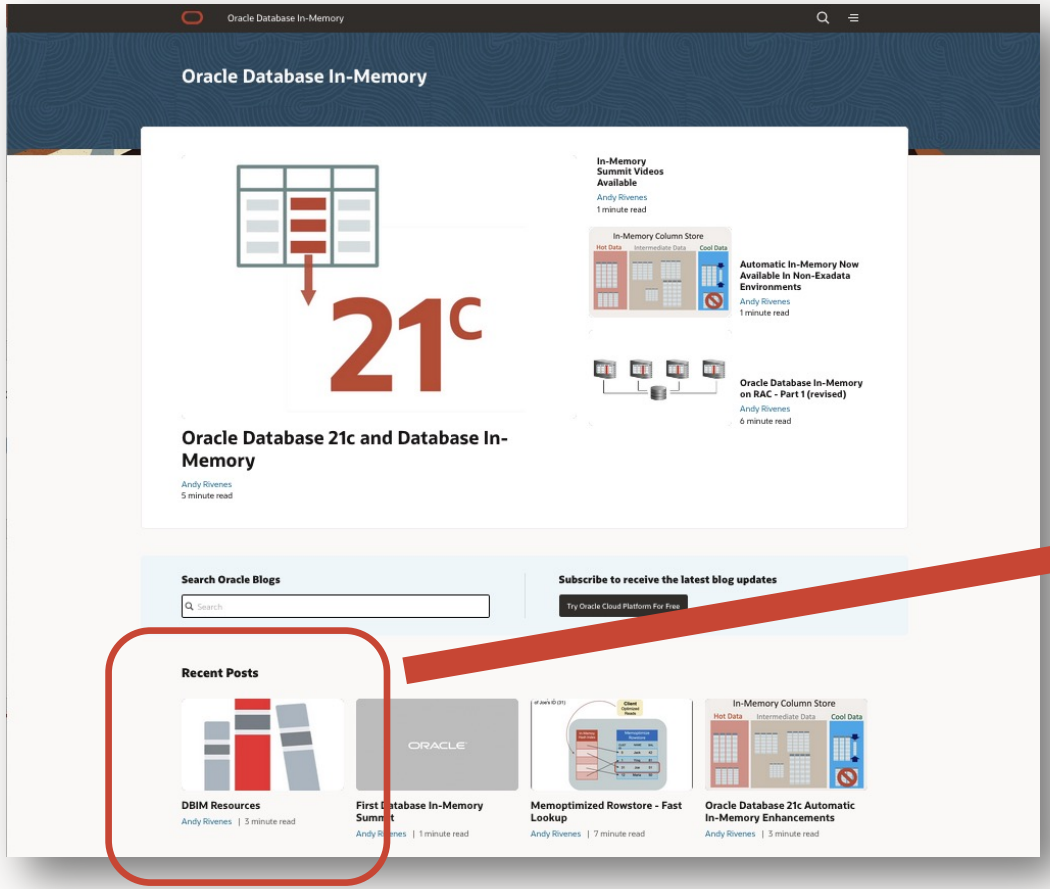
- The lab is meant to be run in SQL*Plus
- There are multiple directories, one for each lab
- You can run the scripts or copy and paste the SQL from the Lab guide (Hint: run the scripts)
- Each script creates a new session which resets the session stats, where used, to allow you to see only what happened during the SQL statement being observed

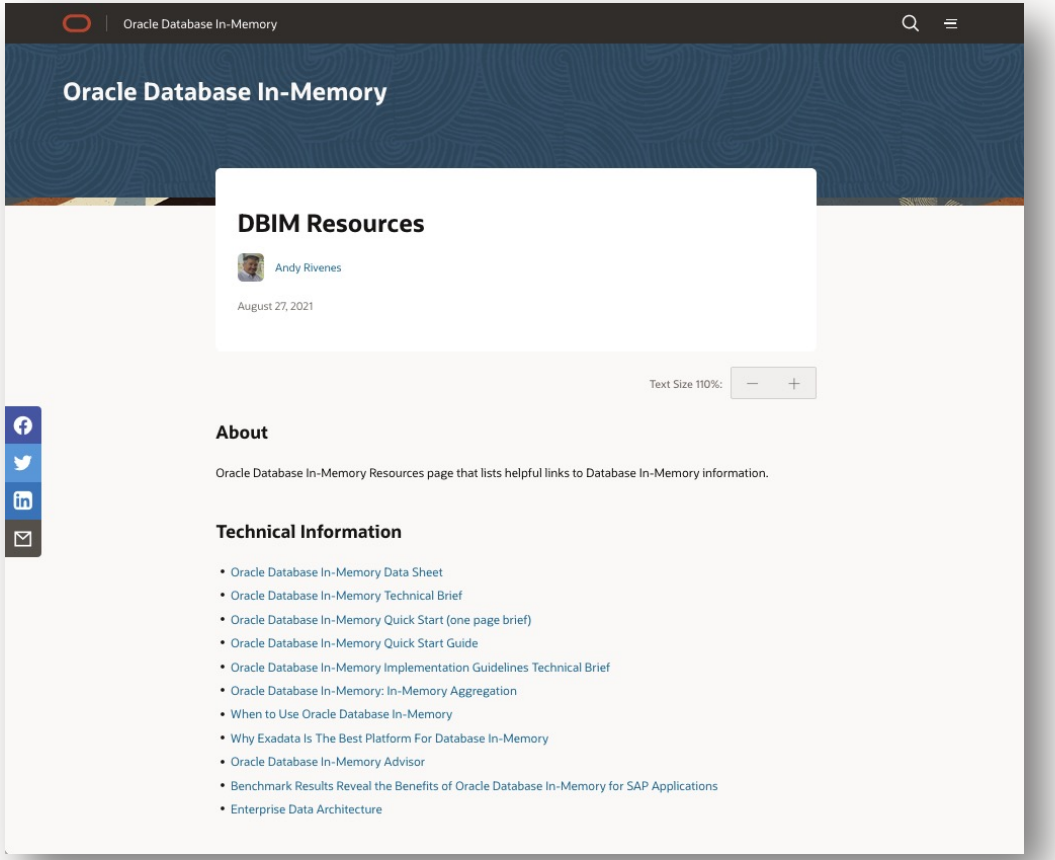
Copyright © 2023, Oracle and/or its affiliates

Where Can You Get More Information?

Copyright © 2023, Oracle and/or its affiliates

https://blogs.oracle.com/in-memory/dbim-resources





Copyright © 2023, Oracle and/or its affiliates