
ORACLE
Move your data to ADW
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Master Product Manager
Database Upgrade and Migrations
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Upgrade your Database – NOW!
15-JAN-2020

Mike Dietrich

Master Product Manager
Database Upgrade and Migrations

Migration to ADB

How to move your data and databases into Autonomous

Migration to ADB

1. Introduction
2. SQL Developer
3. SQL Loader
4. Data Pump

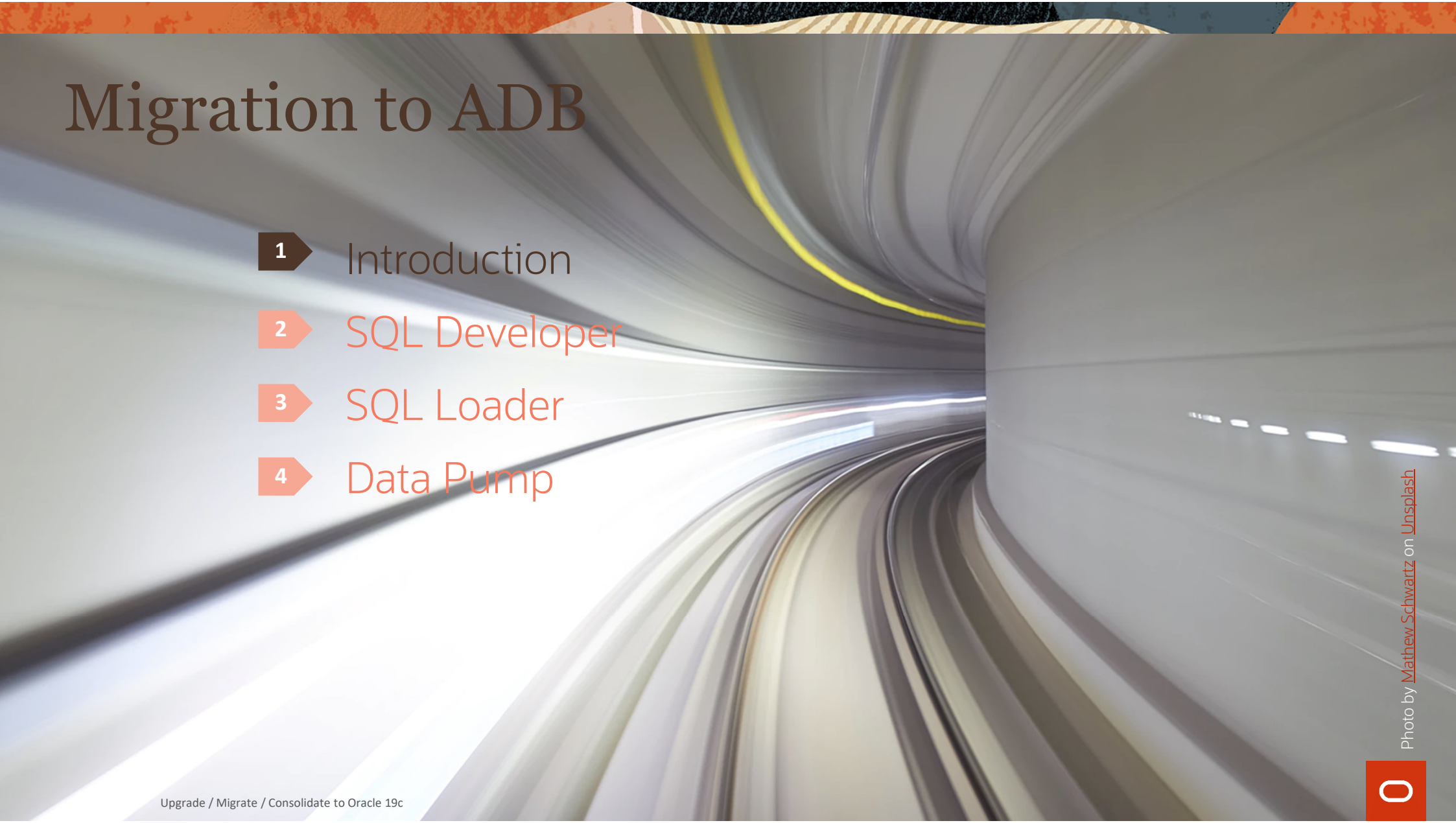
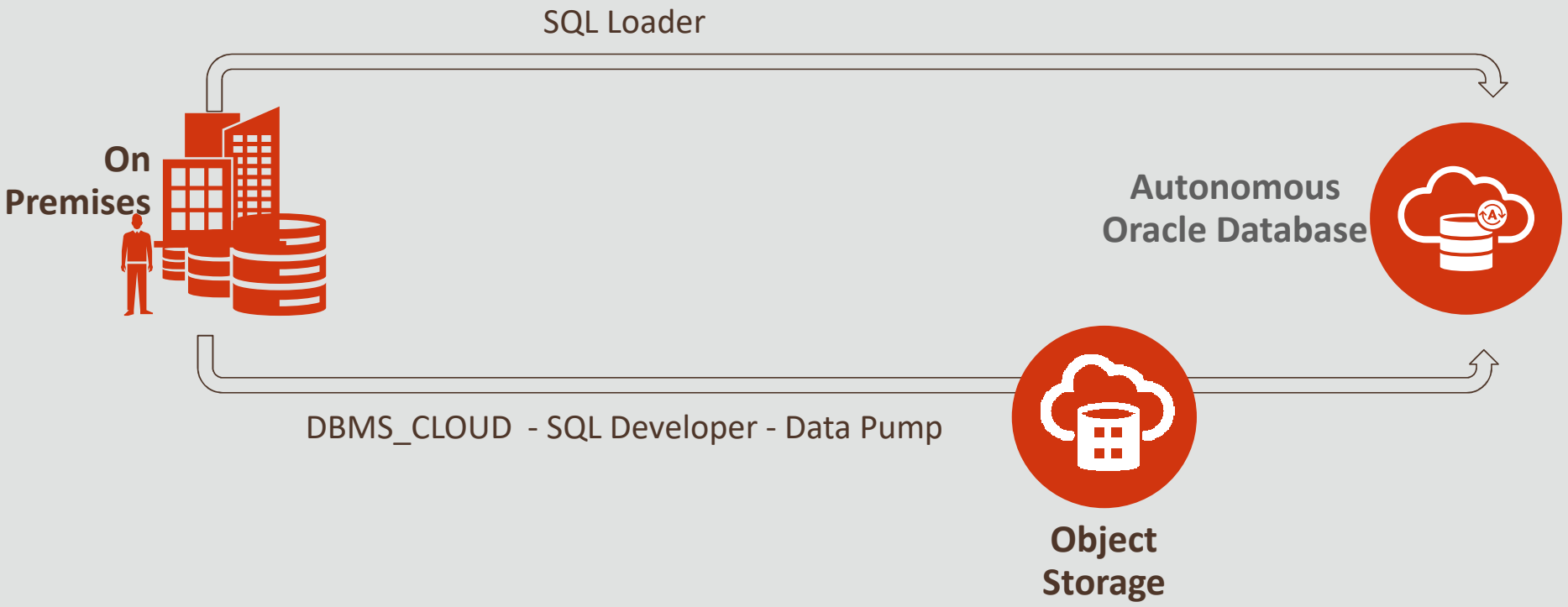


Photo by Mathew Schwartz on Unsplash

Autonomous Cloud | Migration Techniques



Autonomous Cloud | Restrictions

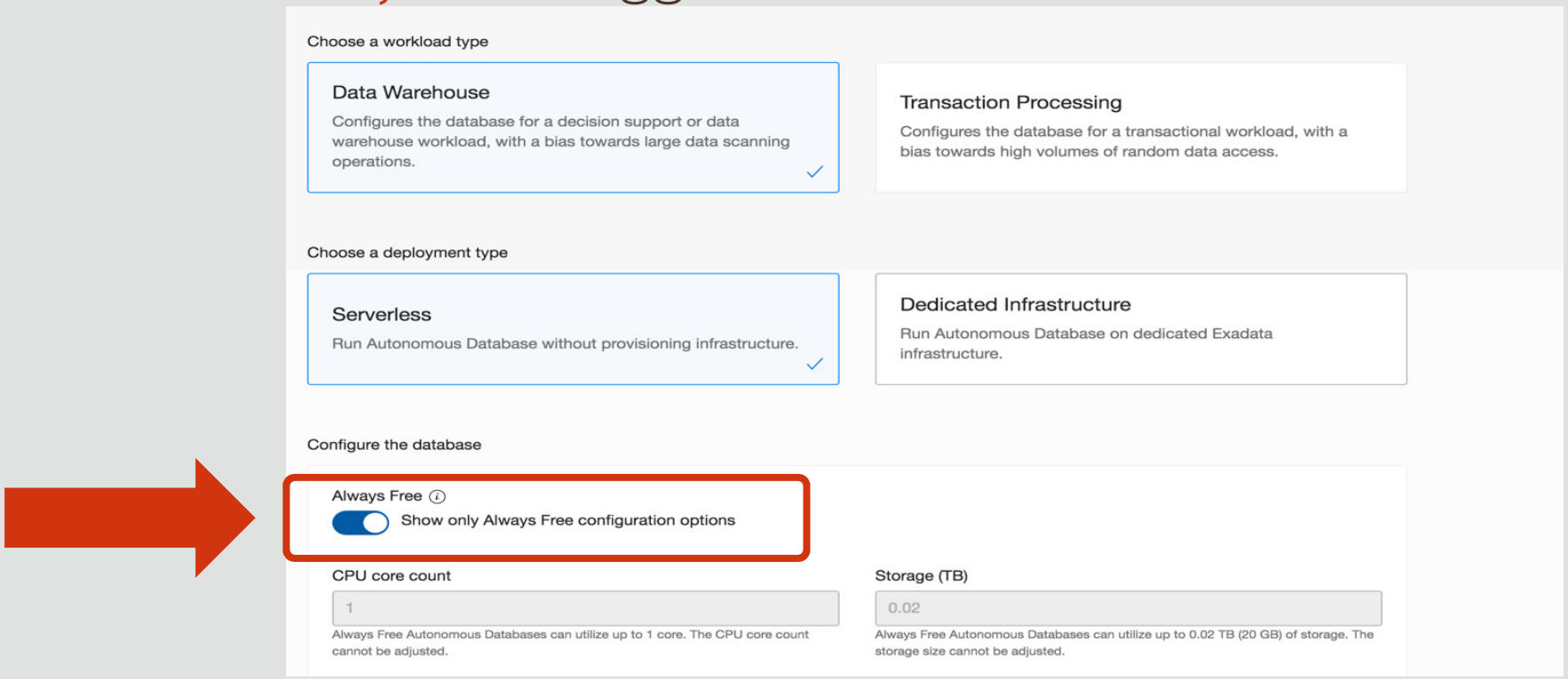
- Please see an always up-to-date list here: https://docs.oracle.com/en/cloud/paas/autonomous-data-warehouse-cloud/user/experienced-database-users.html#GUID-58EE6599-6DB4-4F8E-816D-0422377857E5
- Data types
- Parameters
- Database features
- Some database commands

Topics

- About the Autonomous Data Warehouse Database
- Restrictions for Database Initialization Parameters
- Restrictions for SQL Commands
- Restrictions for Data Types
- Managing Partitions, Indexes, and Materialized Views
- Restrictions for Database Features

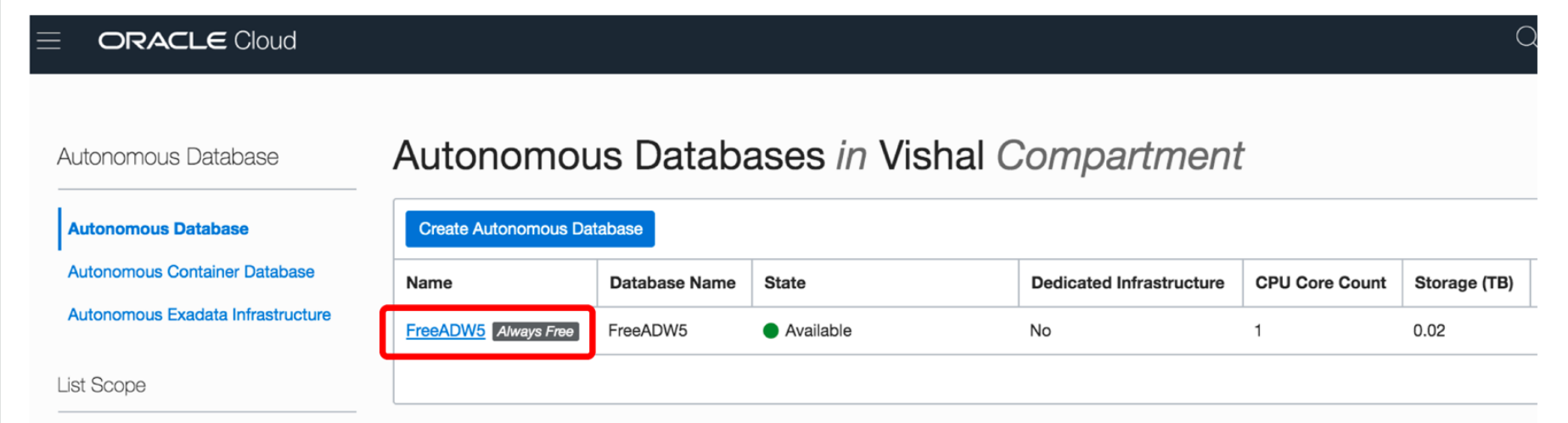
Autonomous Cloud | Create an Always Free ADB

- Make sure Always Free toggle is ON



Autonomous Cloud | Create an Always Free ADB

- It will take a few minutes to provision your ADB instance



- Quick Start Solution:
  - https://github.com/oracle/oci-quickstart-cloudnative

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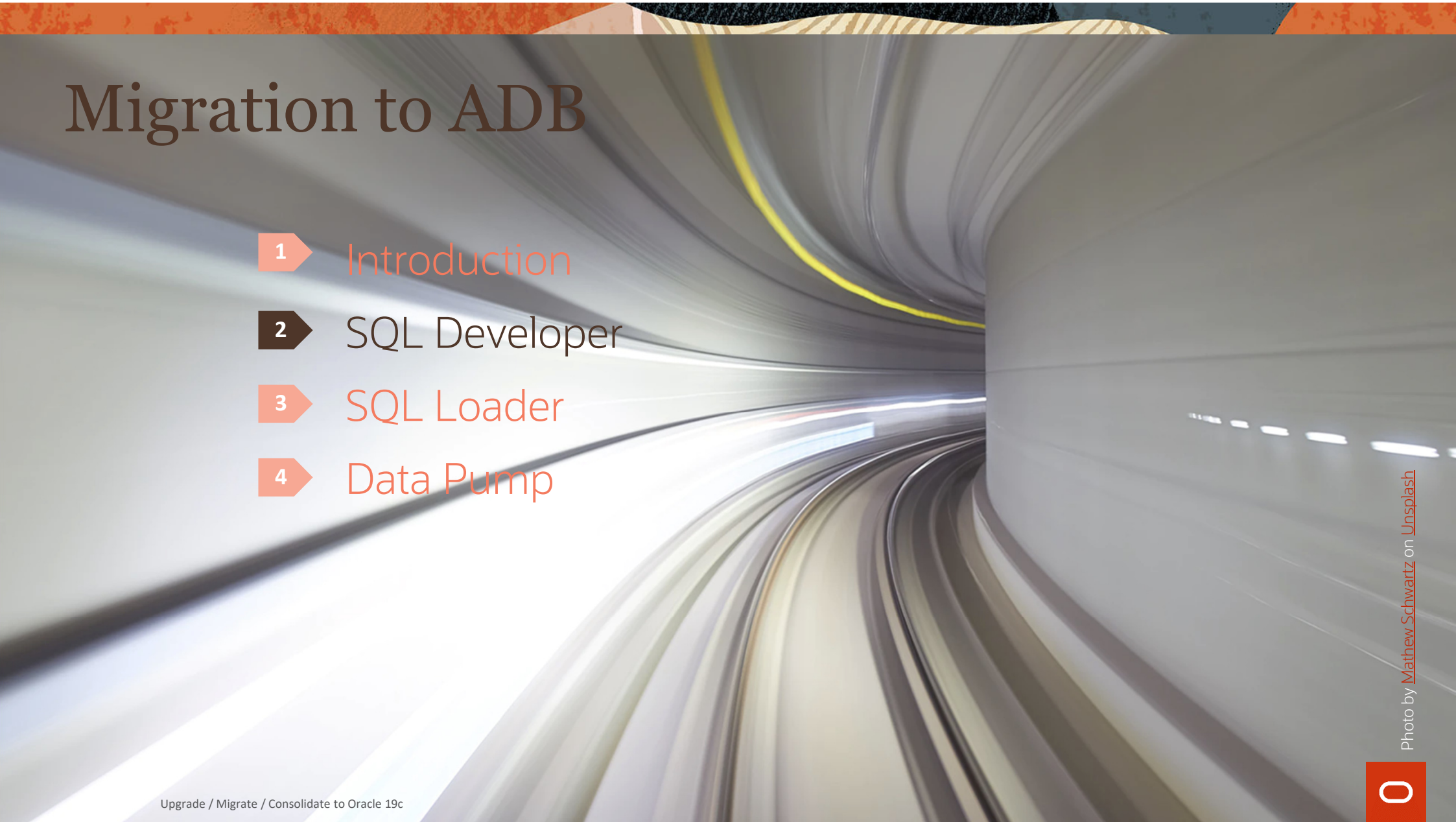

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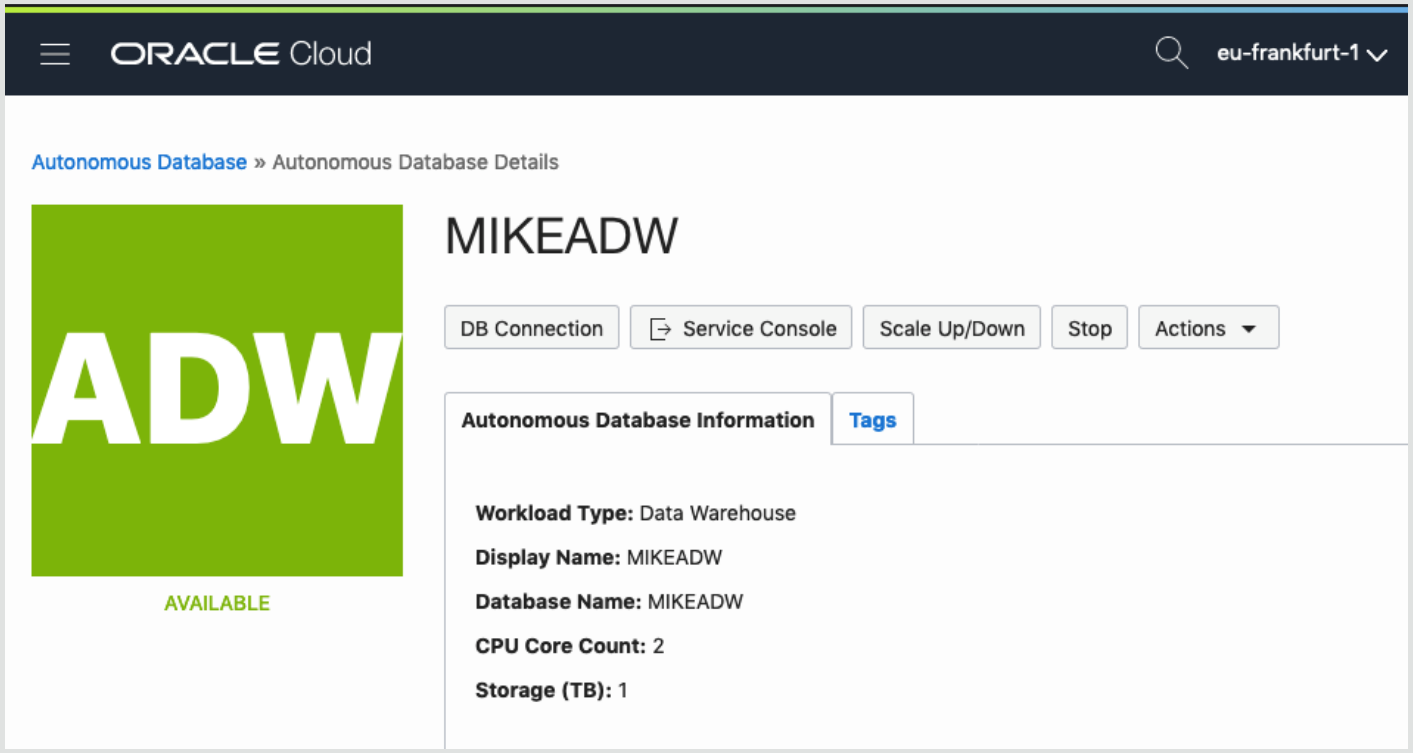
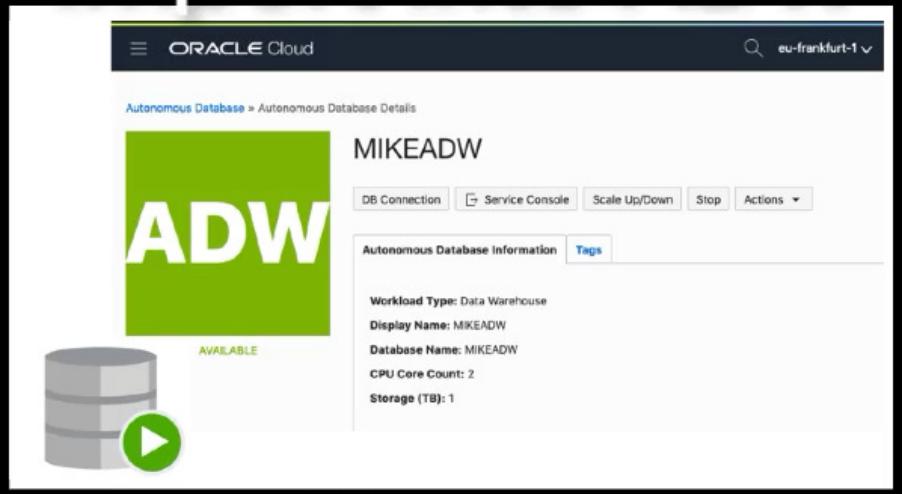
Migration into ADB | SQL Developer



Import into ADW



with SQL Developer

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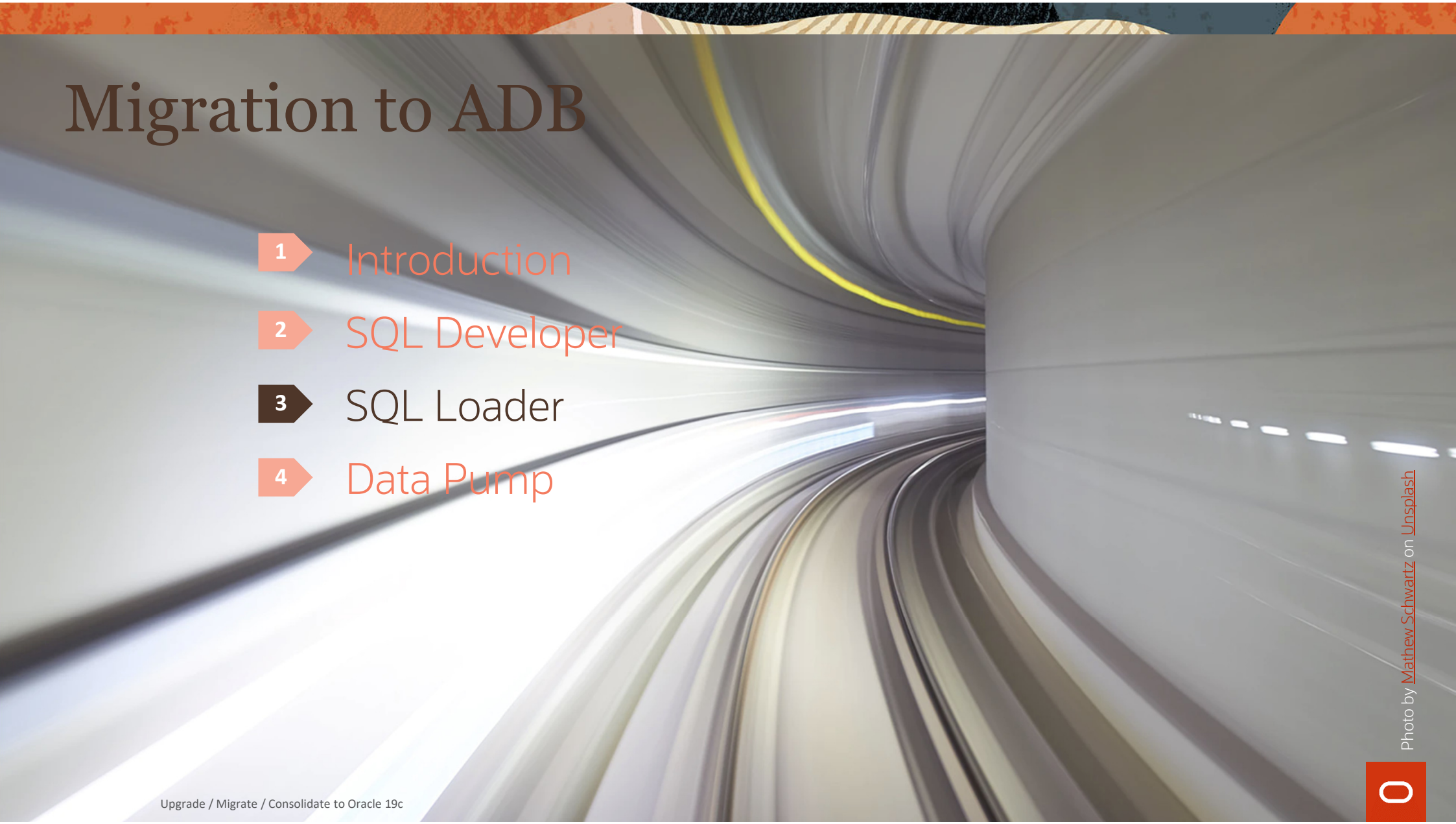
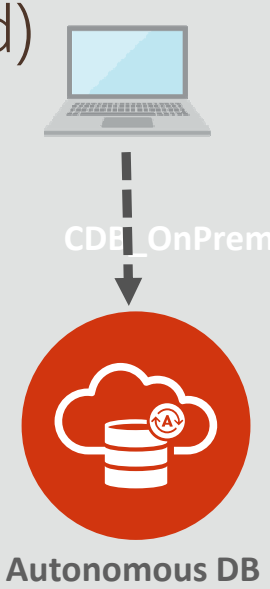
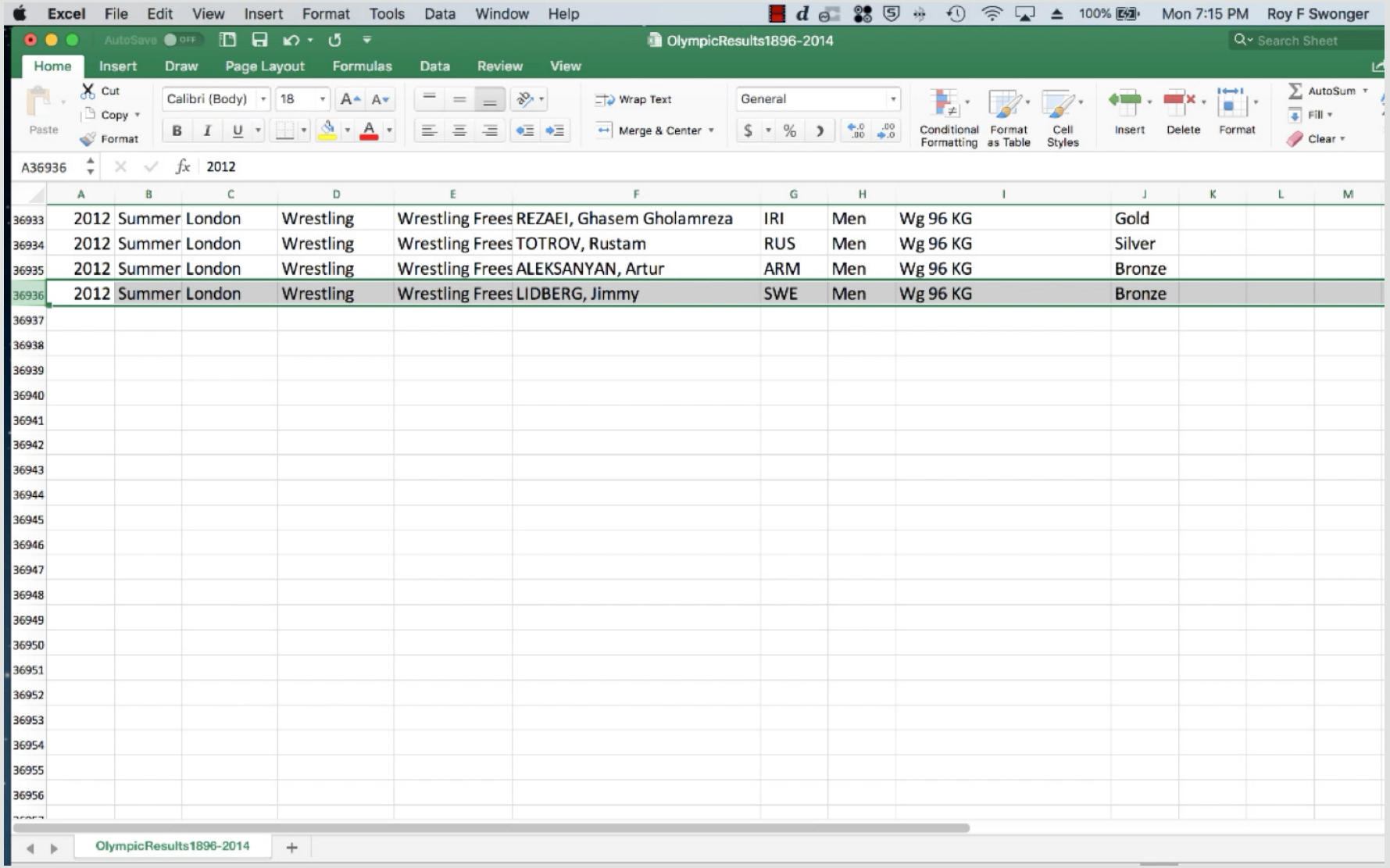


Photo by Mathew Schwartz on Unsplash

Migration into ADB | SQL Loader

- Download the Connection Wallet
- Download and install the Oracle Instant Client (if needed)
- Edit `sqlnet.ora`
- Set `TNS_ADMIN` & `PATH` environment variables





	A	B	C	D	E	F	G	H	I	J
36933	2012	Summer	London	Wrestling	Wrestling Frees	REZAEI, Ghasem Gholamreza	IRI	Men	Wg 96 KG	Gold
36934	2012	Summer	London	Wrestling	Wrestling Frees	TOTROV, Rustam	RUS	Men	Wg 96 KG	Silver
36935	2012	Summer	London	Wrestling	Wrestling Frees	ALEKSANYAN, Artur	ARM	Men	Wg 96 KG	Bronze
36936	2012	Summer	London	Wrestling	Wrestling Frees	LIDBERG, Jimmy	SWE	Men	Wg 96 KG	Bronze

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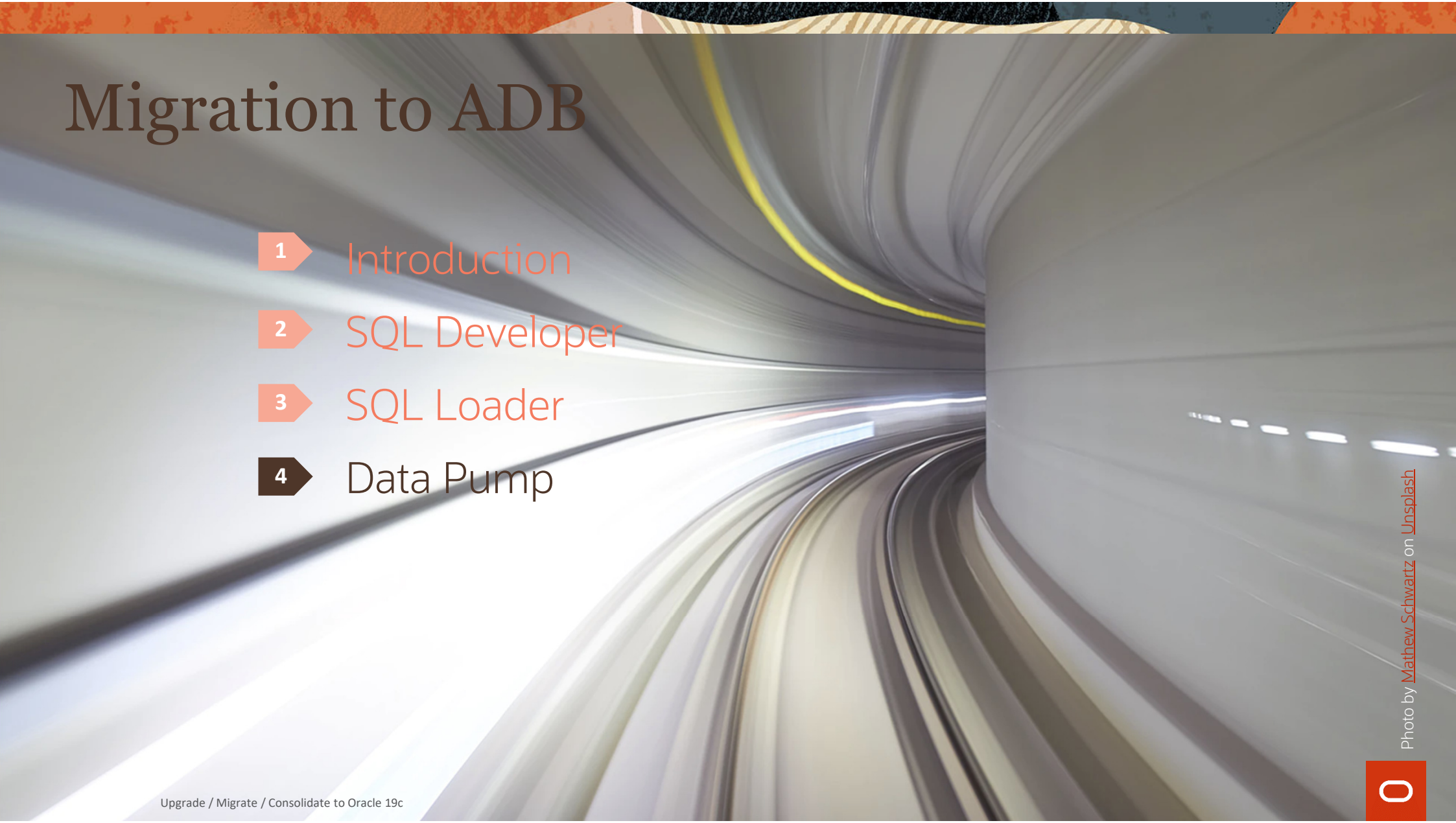

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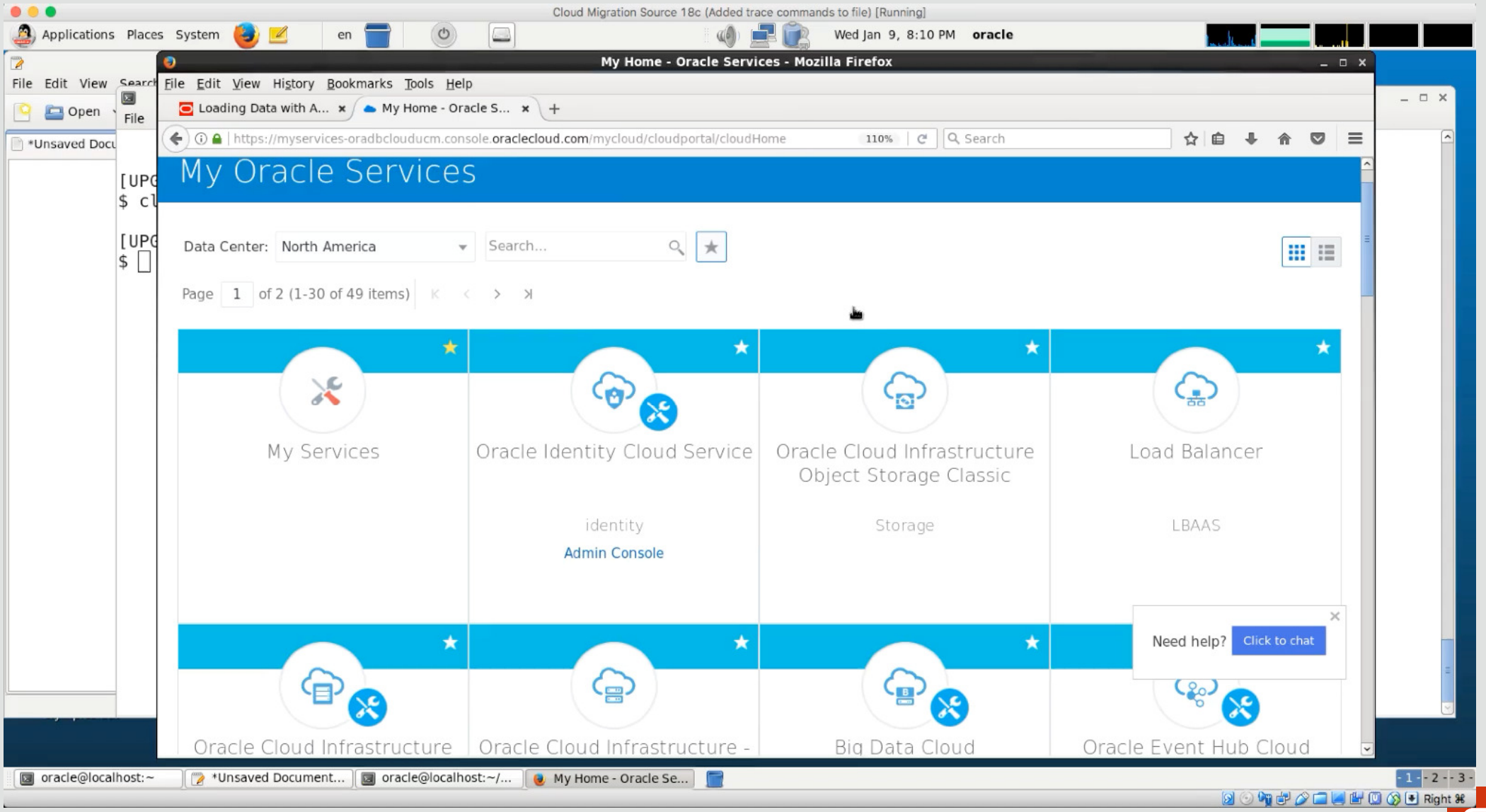
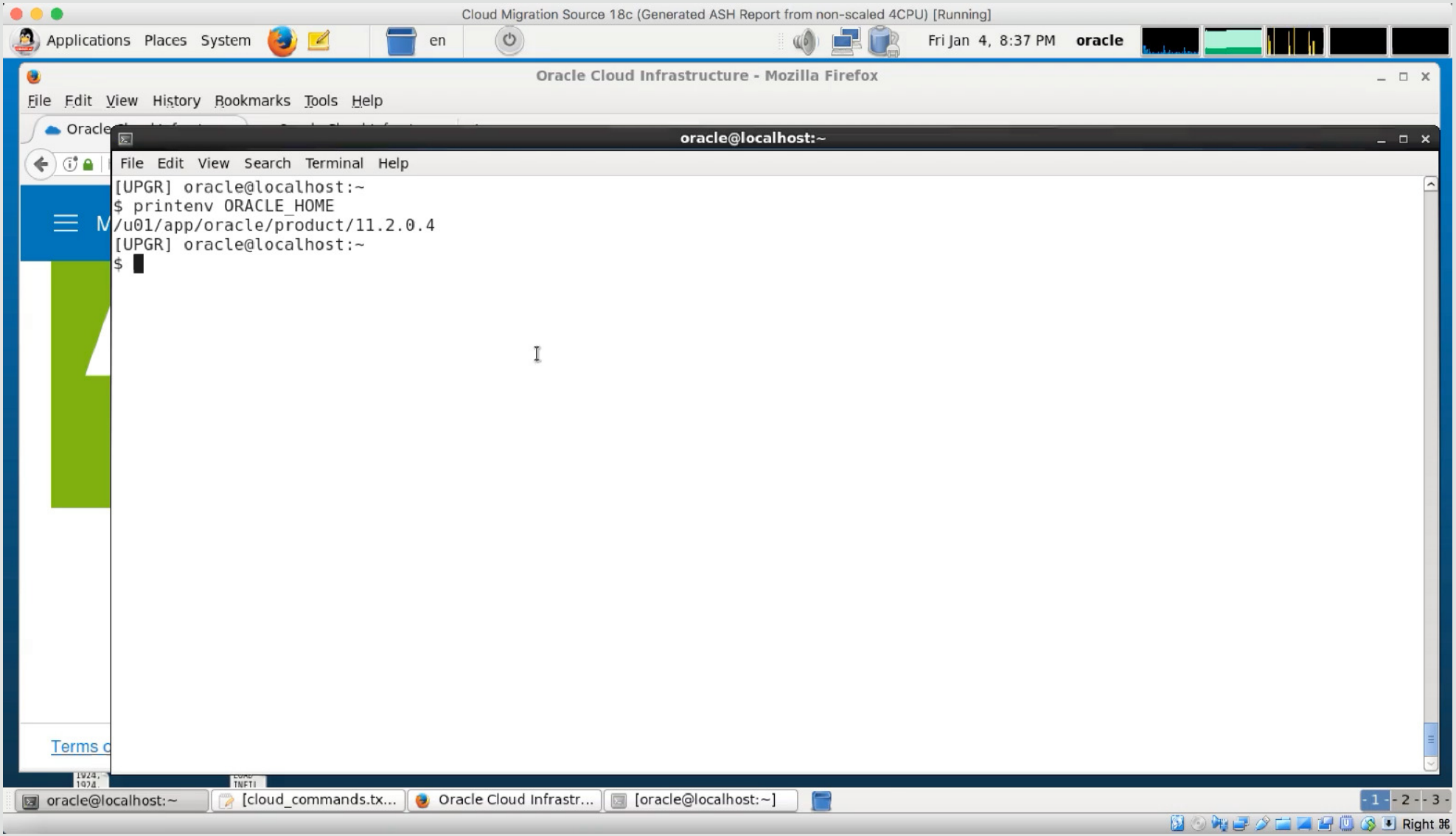
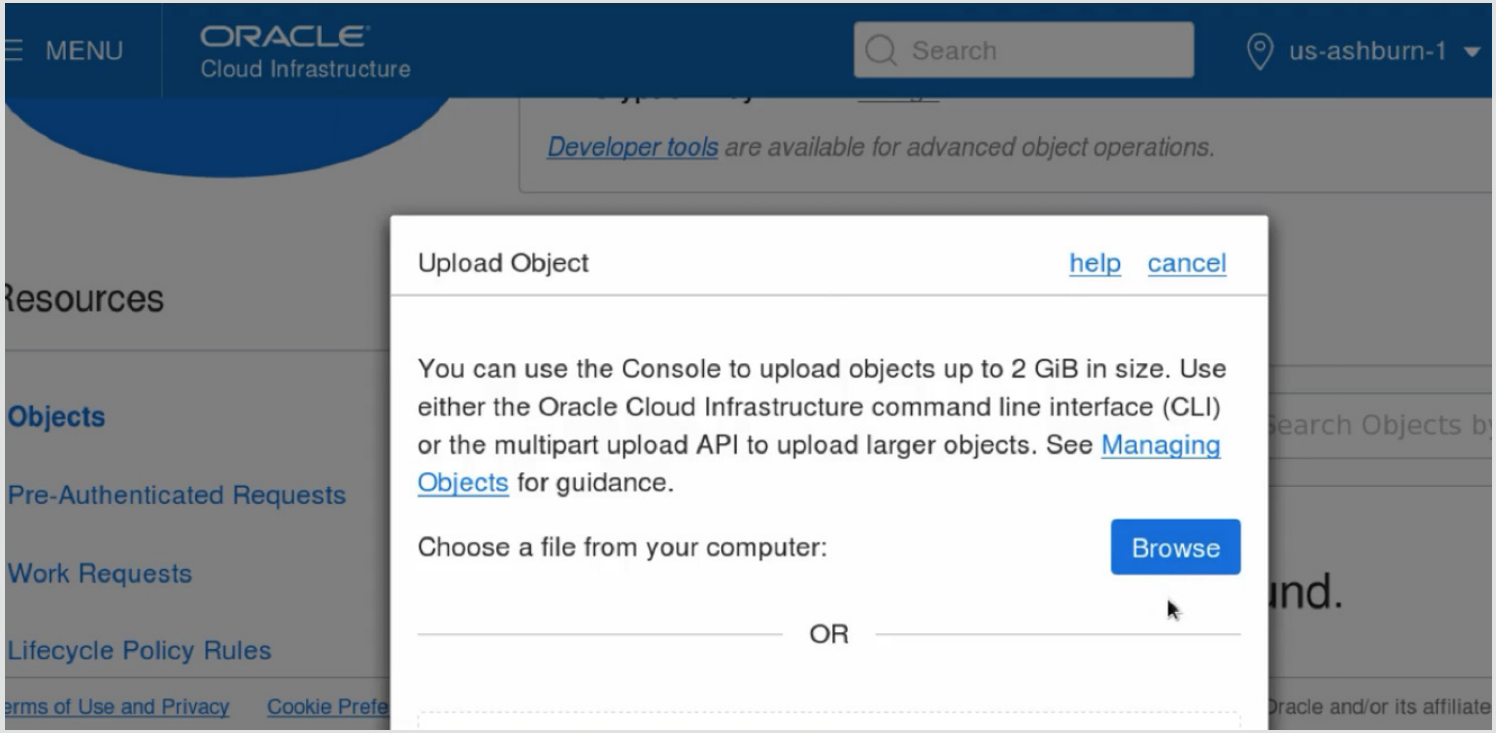

Cloud Migration Source 18c (Added trace commands to file) [Running]
Applications Places System
Wed Jan 9, 8:10 PM oracle
My Home - Oracle Services - Mozilla Firefox
File Edit View History Bookmarks Tools Help
Loading Data with A...
My Home - Oracle S...
https://myservices-oradbclouducm.console.oraclecloud.com/mycloud/cloudportal/cloudHome
110%
Search
My Oracle Services
Data Center: North America
Search...
Page 1 of 2 (1-30 of 49 items)
My Services
Oracle Identity Cloud Service
identity
Admin Console
Oracle Cloud Infrastructure Object Storage Classic
Storage
Load Balancer
LBAAS
Need help?
Click to chat
Oracle Cloud Infrastructure
Oracle Cloud Infrastructure -
Big Data Cloud
Oracle Event Hub Cloud
oracle@localhost:~
*Unsaved Document...
oracle@localhost:~/...
My Home - Oracle Se...
Right ⌘


Cloud Migration Source 18c (Generated ASH Report from non-scaled 4CPU) [Running]
Applications Places System
en
Fri Jan 4, 8:37 PM
oracle
Oracle Cloud Infrastructure - Mozilla Firefox
File Edit View History Bookmarks Tools Help
oracle@localhost:~
File Edit View Search Terminal Help
[UPGR] oracle@localhost:~
$ printenv ORACLE_HOME
/u01/app/oracle/product/11.2.0.4
[UPGR] oracle@localhost:~
$
Terms
oracle@localhost:~
[cloud_commands.tx...
Oracle Cloud Infrastr...
[oracle@localhost:~]
Right ⌘

Migration into ADB | Data Pump Example

- Upload dump file to the object store:



Lean back and relax!

It is pretty simple and straight forward

Slides | https://MikeDietrichDE.com