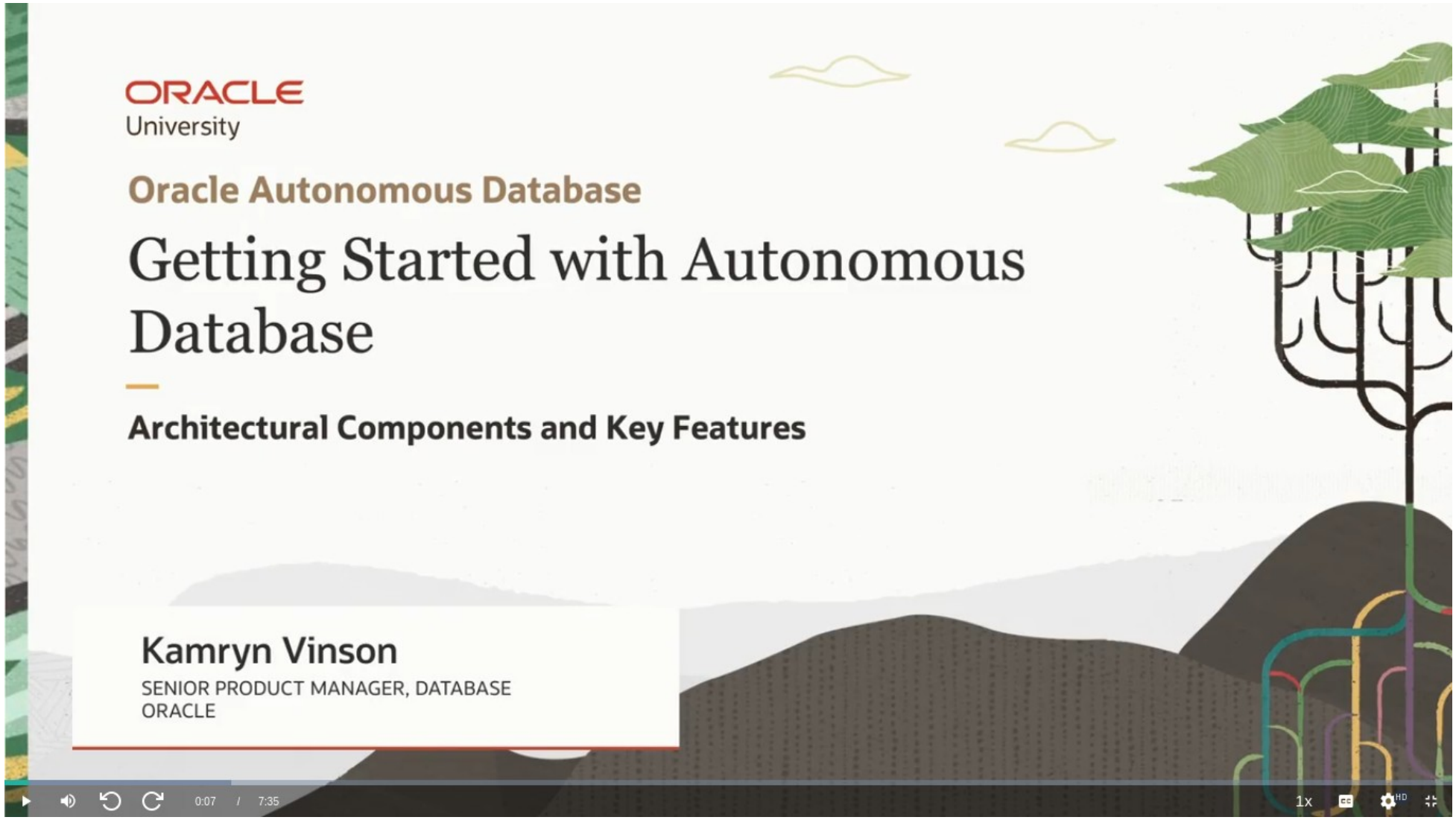
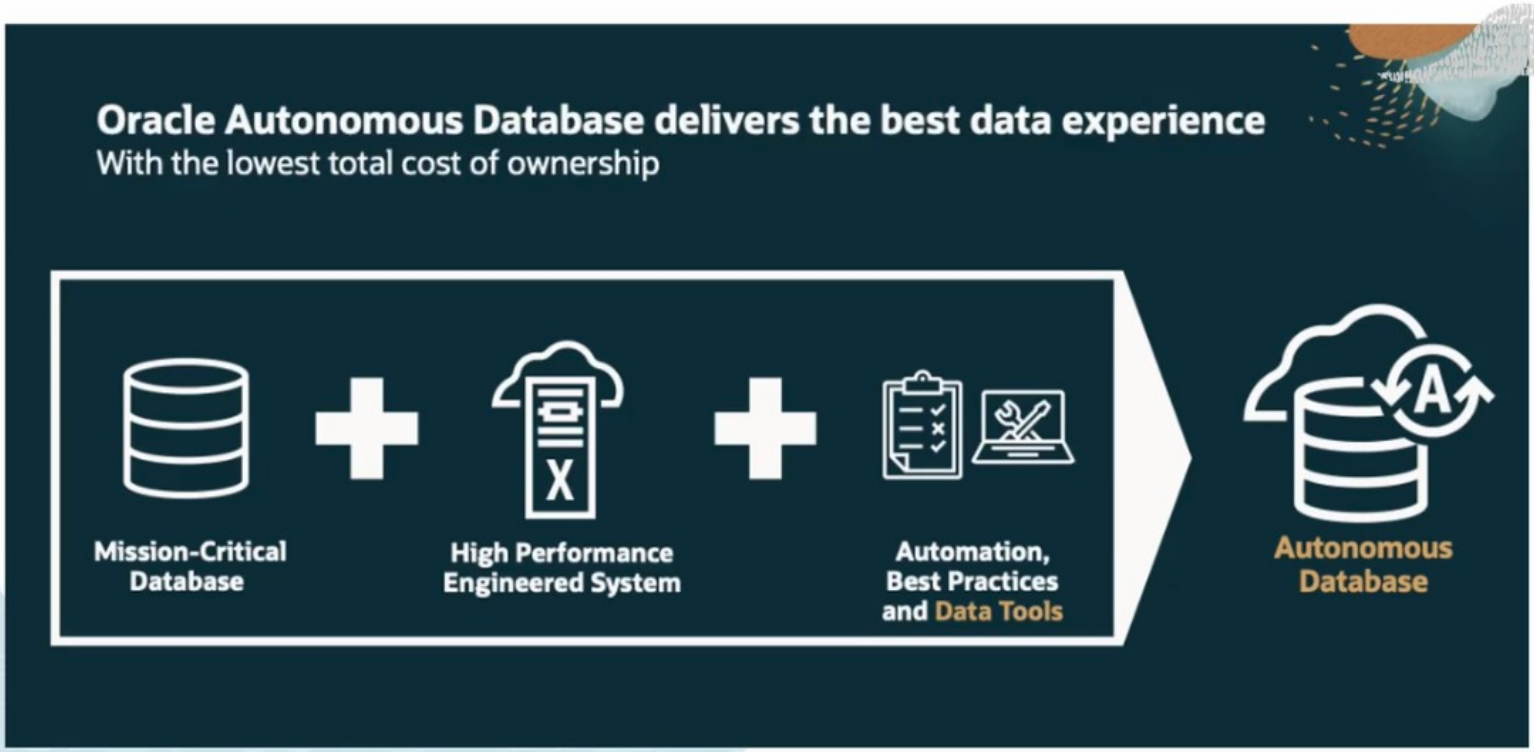

ORACLE
University
Oracle Autonomous Database
Getting Started with Autonomous Database
Architectural Components and Key Features
Kamryn Vinson
SENIOR PRODUCT MANAGER, DATABASE
ORACLE
0:07 / 7:35
1x
HD

Objectives

- Defining the architectural components of Autonomous Database
- Articulating the key features of Autonomous Database

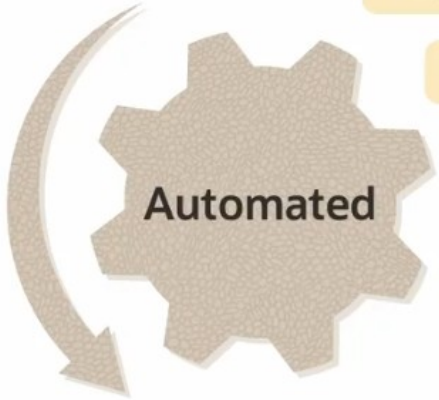


Oracle Autonomous Database

Automates the Entire Database Stack

Uses Machine Learning plus advanced and proven technologies

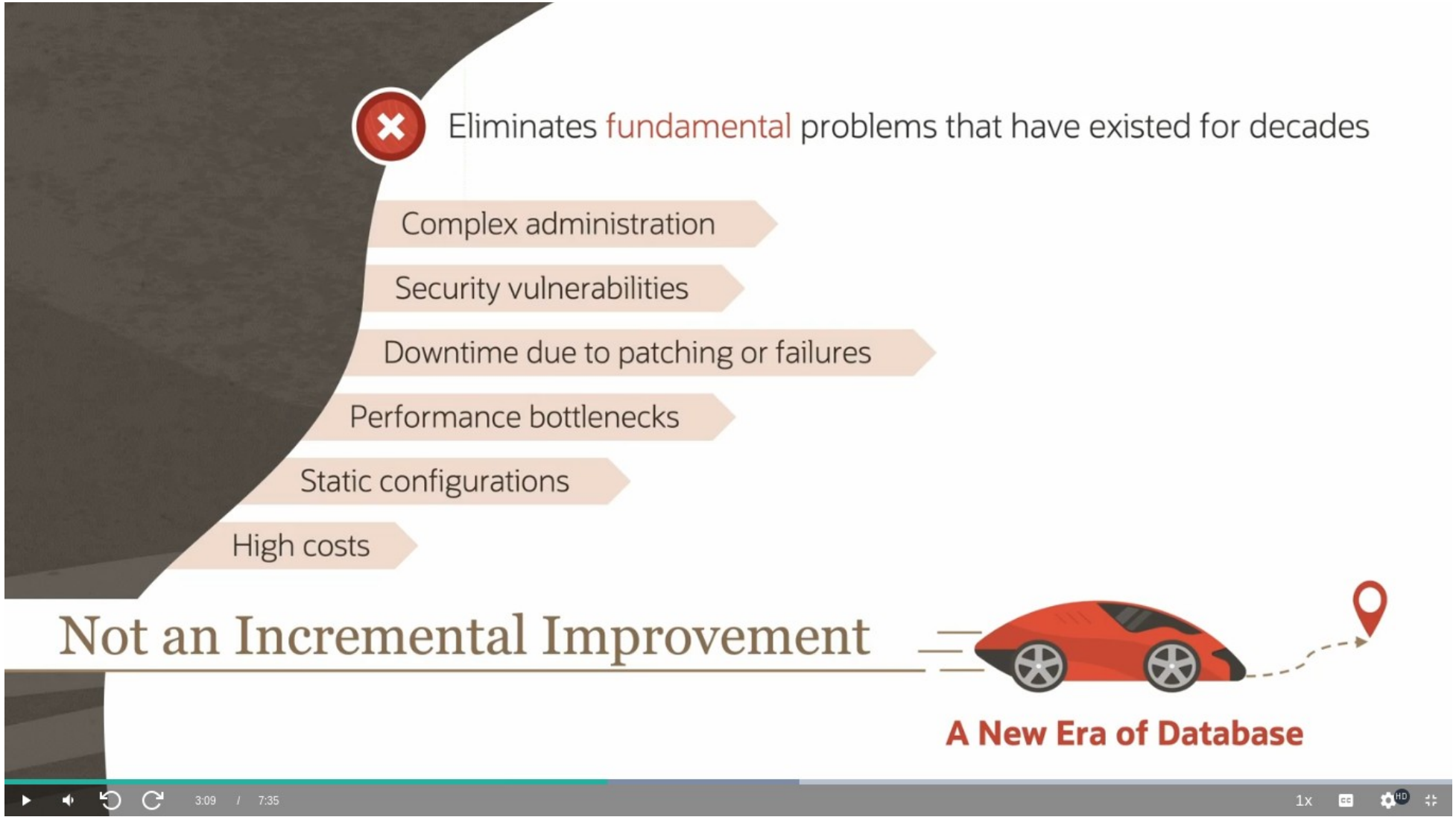
RAC, Data Guard, Database Vault, Parallel SQL, In-Memory, Multitenant, etc.



- Provisioning
- Scale-Up and Scale-Out
- Tuning
- Security and Patching
- Fault Tolerance

Complete Database Automation

Mission Critical, Simple, Low Risk, Low Cost


Eliminates fundamental problems that have existed for decades
Complex administration
Security vulnerabilities
Downtime due to patching or failures
Performance bottlenecks
Static configurations
High costs
Not an Incremental Improvement
A New Era of Database
3:09 / 7:35
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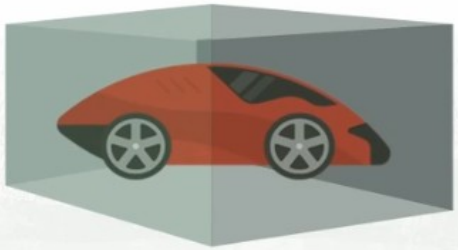
Autonomous Database Is Highly Available

Automatically protects from all types of downtime

Failures

Site Outages

Maintenance



Changes

User Errors

No ridiculous exclusions to availability in fine print

Amazon excludes planned downtime, database bugs, regional outages, etc.

Oracle Autonomous Database

Key Availability Technologies

Scale-Out Fault-Tolerant

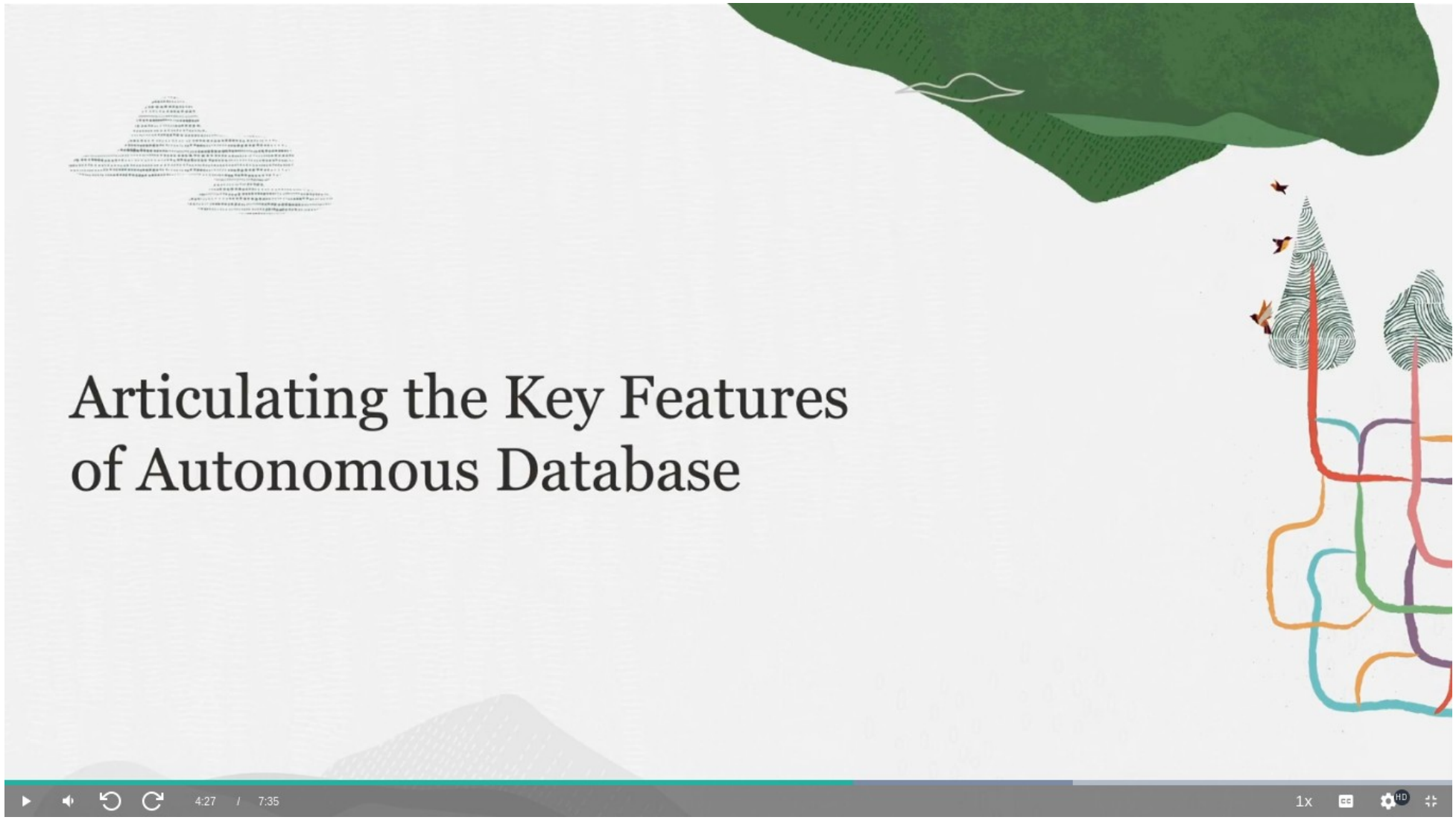
Database Engines

Servers

Storage

Network

Remote Replica


Articulating the Key Features
of Autonomous Database
4:27 / 7:35
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Oracle Autonomous Database
What and How

Provision

Rapidly and easily creates **mission-critical** databases

Creates **Exadata**[+] Cloud Infrastructure, **RAC**[+] scale-out database, and optional[+] standby

Secure

Protects data from all external and internal threats

Applies security **updates online**[+], prevents admin snooping with **DB Vault**[+], **encrypts** all data

Manage

Automates all infrastructure and database maintenance

Patches all software **online**[+], tunes settings, performs **all OS and SYSDBA** operations, diagnoses **errors**[+]

[+] Unique to Oracle

Oracle Autonomous Database
What and How