

Oracle Cloud Infrastructure

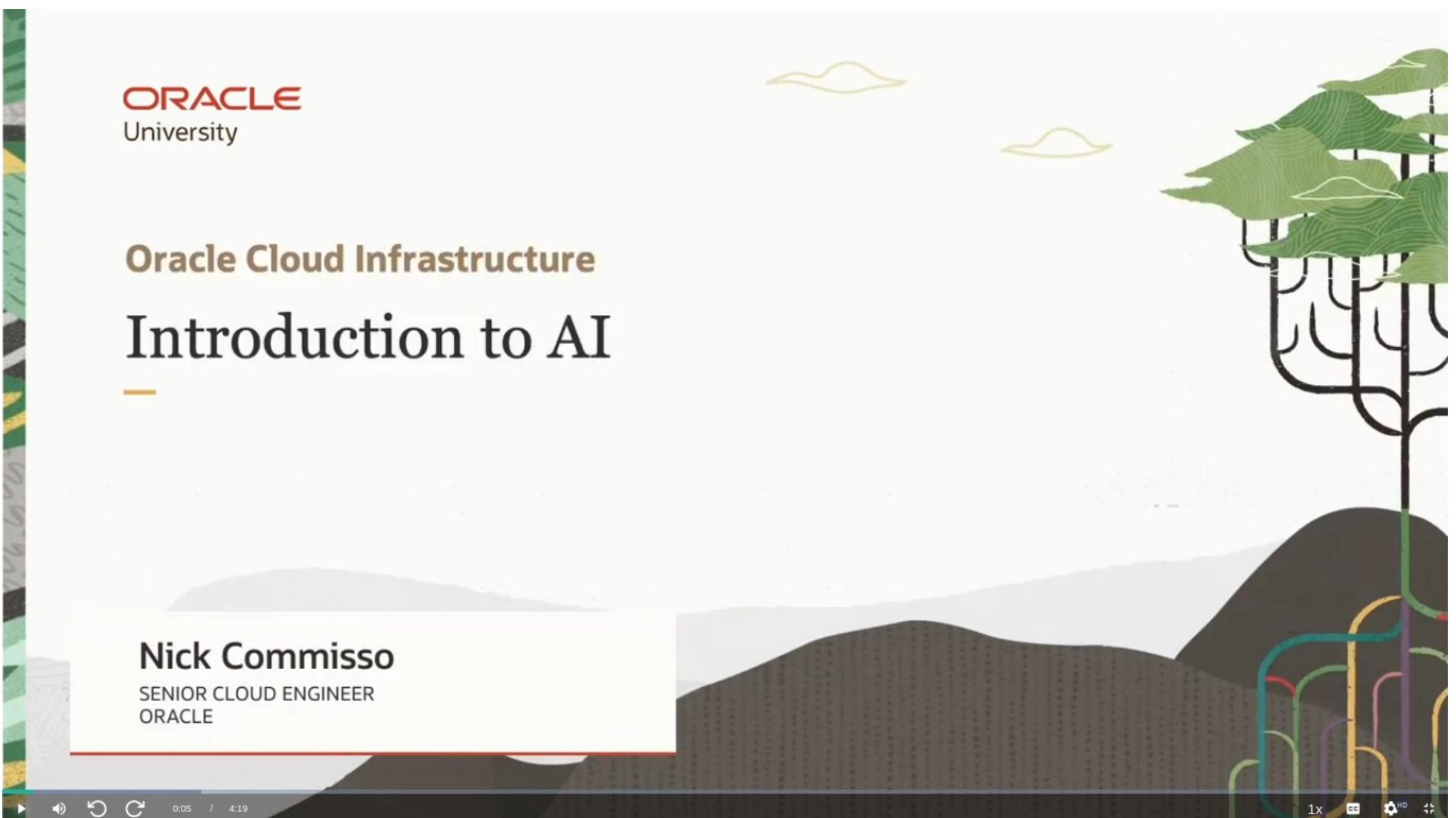
Introduction to AI

Nick Comisso

SENIOR CLOUD ENGINEER
ORACLE

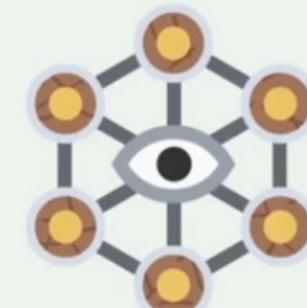
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What is Artificial Intelligence?

Ability of machines to mimic the cognitive abilities and problem-solving capabilities of human intelligence



Human Intelligence

Learns new skills through observation

Thinks abstractly and reasons

Communicates using a language and non-verbal cues

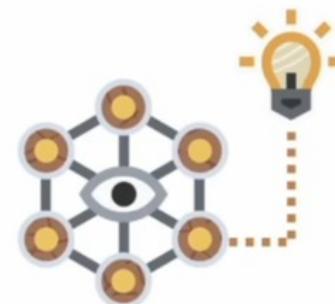
Handles complex situations in real time

Plans short and long term

Creates art, music, and inventions

If we can replicate any of these capabilities in machines, that is

Artificial General Intelligence (AGI).



When we apply AGI to solve problems with specific, narrow objectives, we call it

Artificial Intelligence (AI).

AI Examples

Classifying
images



Writing
computer
language code



AI is all
around us!



Spam mail
classification



Predicting
old car
prices



AI Terminology



Machine Learning
(ML)

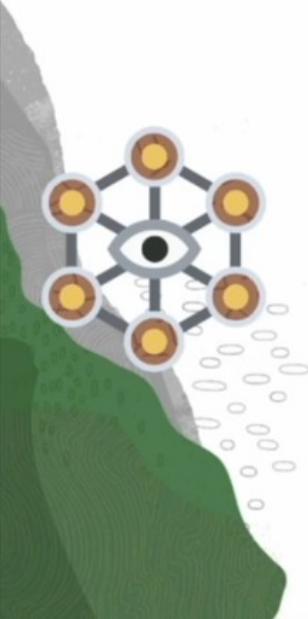


Deep Learning
(DL)



Data Science
(DS)

Why do we need AI?



Automation and Decision Making

- Approve a credit card or loan.
- Process insurance claims.
- Recommend products to customers.
- Detect fraudulent transactions.
- Classify documents and images.



Creative Support

- Create content.
- Write stories and poems.
- Provide designs.
- Share code.
- Generate ideas.
- Crack jokes.



AI Domains and Examples

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- Language
- Vision
- Speech
- Product Recommendations
- Anomaly Detection
- Learn by Reward
- Forecasting
- Generate Content



