
AWS
re:Invent
NOV. 28 – DEC. 2, 2022 | LAS VEGAS, NV

WPS204

The future of cloud computing in the public sector

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Digital transformation

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Welcome to the new normal

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never

Welcome to the new normal

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Trends in technology

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Customer's future technology needs 2021-2025



Productive at edge



Accessible robotics



Mixed reality





Environmental, social, and governance



Tomorrow's workplace



Advanced tech experiments
(Quantum, BlockChain, LowCode, 5G/networking)



Local control with global security and trust

Cross-cutting trends
Security, resilience, compliance, speed

aws

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Customer segments to change the most in 2021-2025: What do they all have in common?



Telecommunications
Everywhere, speed, latency, security



Entertainment
Multiscreen, content, streaming, partners



Biotech and manufacturing
Data, genomics, HPC, AI, robotics



Space
Lower cost, smaller, IOST, climate, tourism



Government
ESG, national control, participation, trust



Education
Remote, rankings, partnerships



Healthcare
Telehealth, apps, AI, NUI, partnerships



Travel and transportation
Electric, autonomous, edge, AR/VR, AI



Energy
Renewables, AI, prosumer, batteries

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Productive at the edge

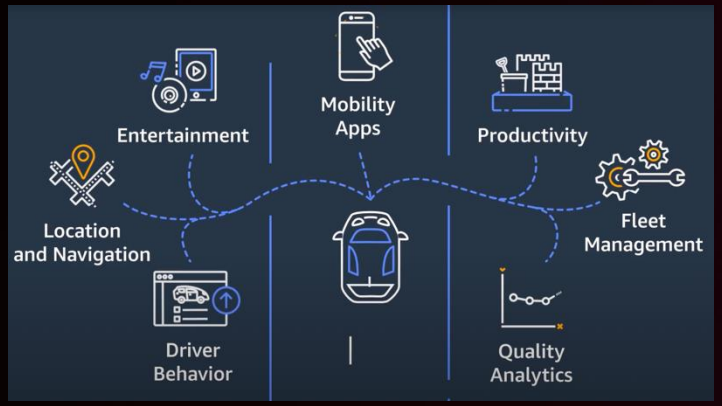
AWS edge services

- Bring one of the world's most capable and secure clouds to you
- Data processing, analysis, and storage close to your endpoints



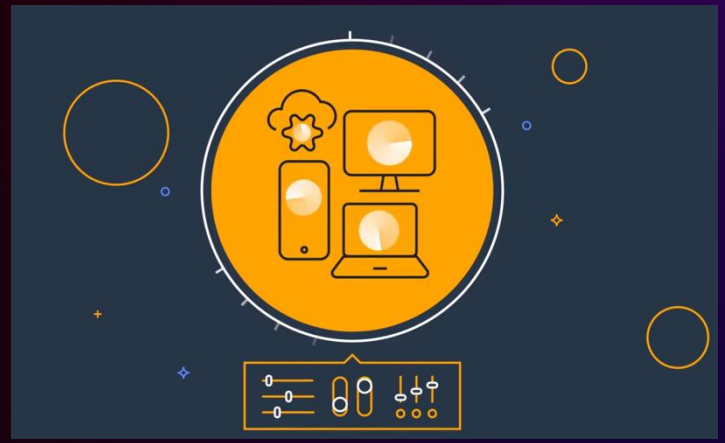
AWS connected mobility

- AWS offers solutions and services purpose-built for the automotive industry
- Gather and operationalize telemetry data in the vehicle and in the cloud



AWS private 5G

- Easily deploy, manage, and scale a private cellular network
- Get your network up and running in days with no long planning cycles



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Productive at the edge

Microcontrollers & IoT devices



- FreeRTOS
- AWS IoT TwinMaker
- AWS IoT Greengrass
- AWS IoT Core
- Amazon Kinesis Video Streams
- Amazon SageMaker Neo

Networked environments



- AWS IoT SiteWise
- AWS RoboMaker

5G telco networks



- AWS Wavelength

Rugged edge



- AWS Snowball Edge
- AWS Snowcone

On premises



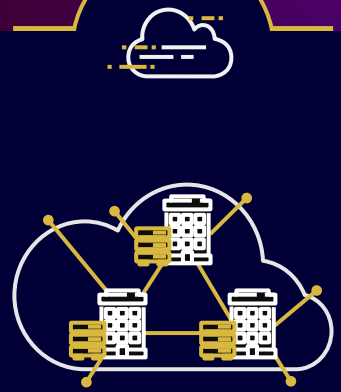
- AWS Outposts
- AWS Storage Gateway

Metro centers



- AWS Local Zones

PoPs & Regions (AWS Cloud)



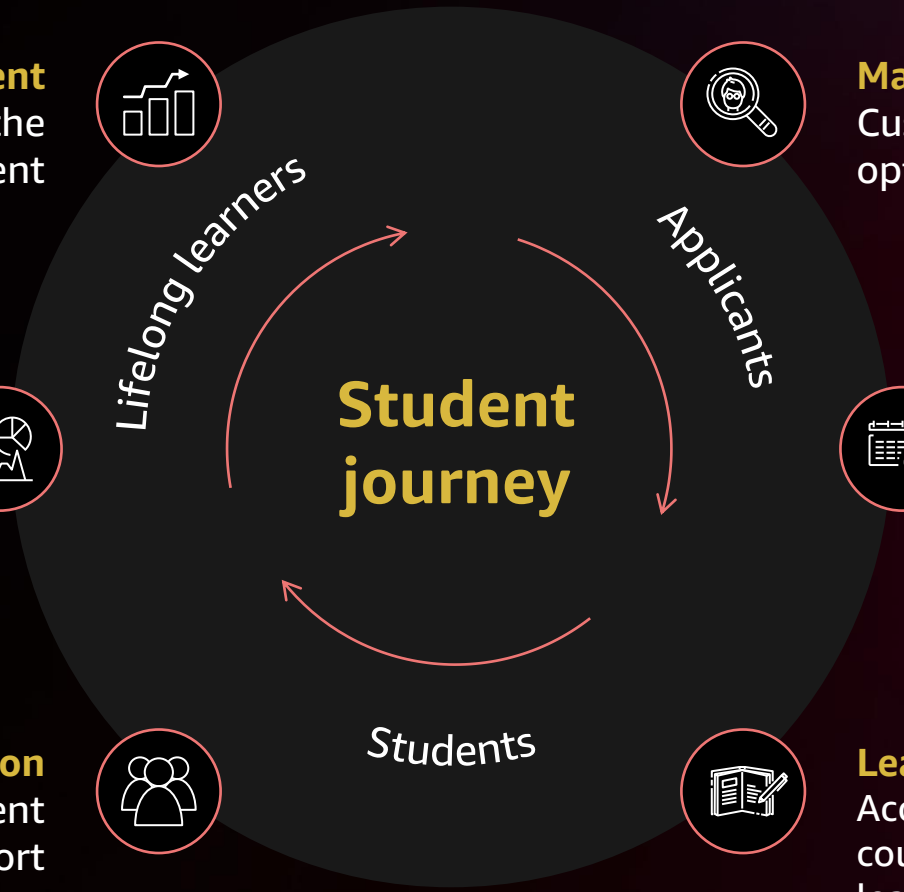
- Regions
- Availability zones
- PoPs
- Edge locations

AI & machine learning use cases in education

Continual improvement
Understand voice of the customer to drive improvement

Assessment and analysis
Machine learning (ML) and analytics to understand outcomes and efficacy

Student success and retention
Identify at-risk students, prevent churn, optimize advice, and support



Marketing and recruiting
Customer segmentation, advertising optimization, personalization

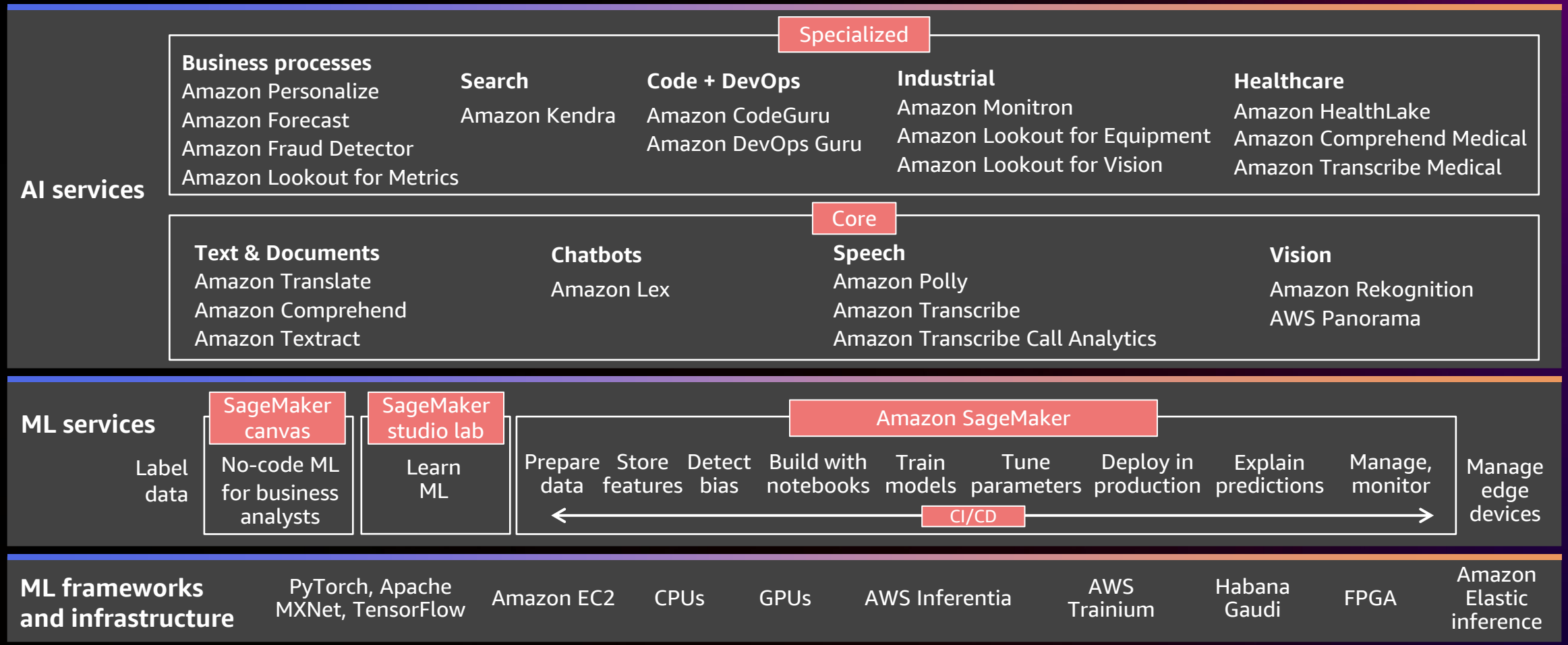
Admissions and enrollment
Optimize student mix, predict acceptance, forecast enrollment

Learning content and personalization
Accessibility, localization, metadata, course recommendations, personalized learning content

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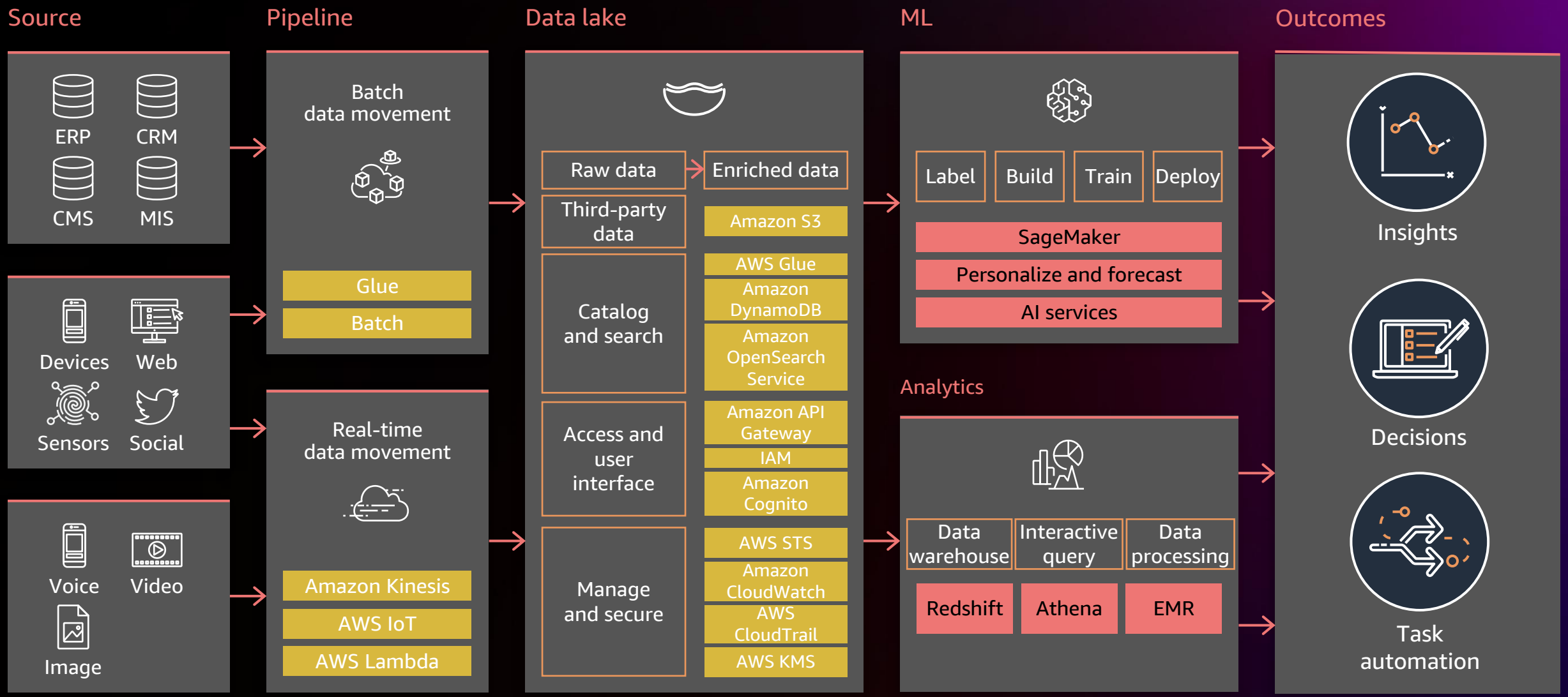
The AWS AI/ML stack

BROADEST AND MOST COMPLETE SET OF MACHINE LEARNING CAPABILITIES



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Going from source data to outcomes



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Thank you!

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