

Tech experts

Semana 1

Skill builder

- Simple QUEUE service (SQS):
 - Standard
 - Não garante a ordem
 - Entrega pelo menos uma vez
 - Mensagens “quase ilimitadas” por segundo
 - FIFO
 - Ordem é garantida
 - Entrega pelo menos uma vez
 - Até 300 msg por segund

Skill builder

- Simple NOTIFICATION service (SNS):
 - Event pooling - webhook
 - Capaz de notificar vários protocolos como:
 - Kinesis, sqs, lambda, email, http(s), endpoints, SMS

Skill builder

- Kinesis Streams
 - Mensageria
 - Escala por shard:
 - Gravação
 - 1k records/s
 - 1mb/s
 - Leitura
 - 5 transactions/s
 - 2mb/s
- Firehose
 - Você grava e ele envia para o consumidor
 - Ele acumula uma quantidade de mensagens antes de enviar
- Kinesis Analytics
 - Realiza analytics em tempo real utilizando flink
 - SQL like
 - Pode cruzar dados em tempo real com dados estáticos(s3/glue)

Ver notebook

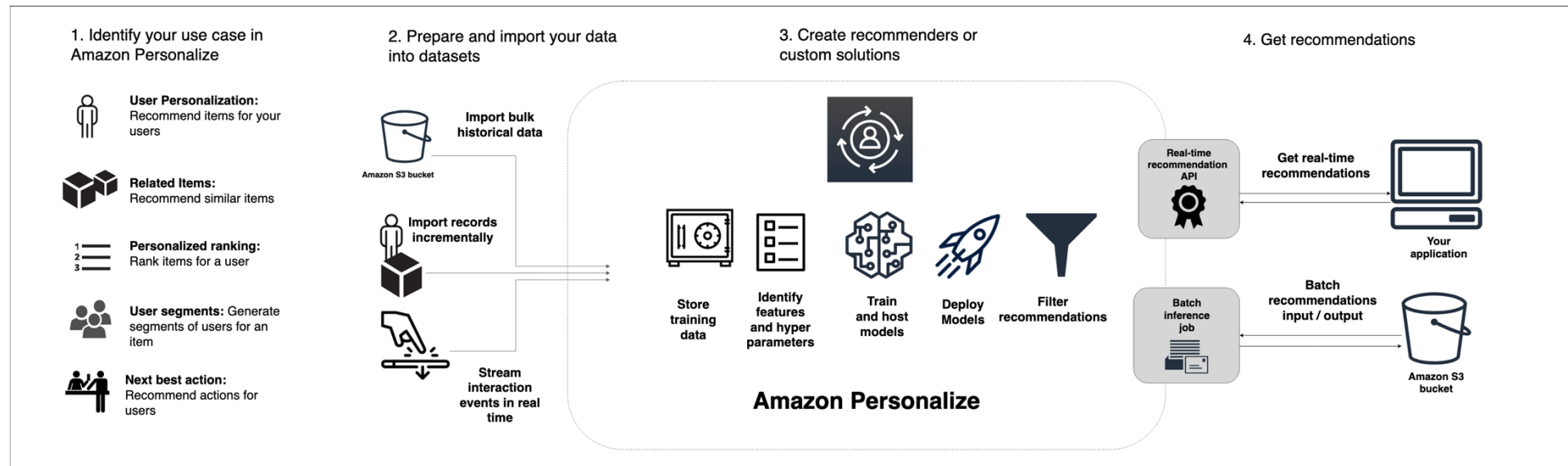
https://github.com/tiagoparaizo/aws_ml_mentorship/blob/main/week_1/semana1.ipynb

Outros serviços importantes

- Textextract:
 - <https://docs.aws.amazon.com/textract/latest/dg/what-is.html>
 - Extrai texto de documentos como PDF, imagens(recibos, documentos oficiais dos EUA)
- Rekognition:
 - <https://docs.aws.amazon.com/rekognition/latest/dg/what-is.html>
 - Image analysis
 - Videos analysis
- Amazon Transcribe:
 - <https://docs.aws.amazon.com/transcribe/latest/dg/what-is.html>
 - Speech recognition
 - Batch/streaming

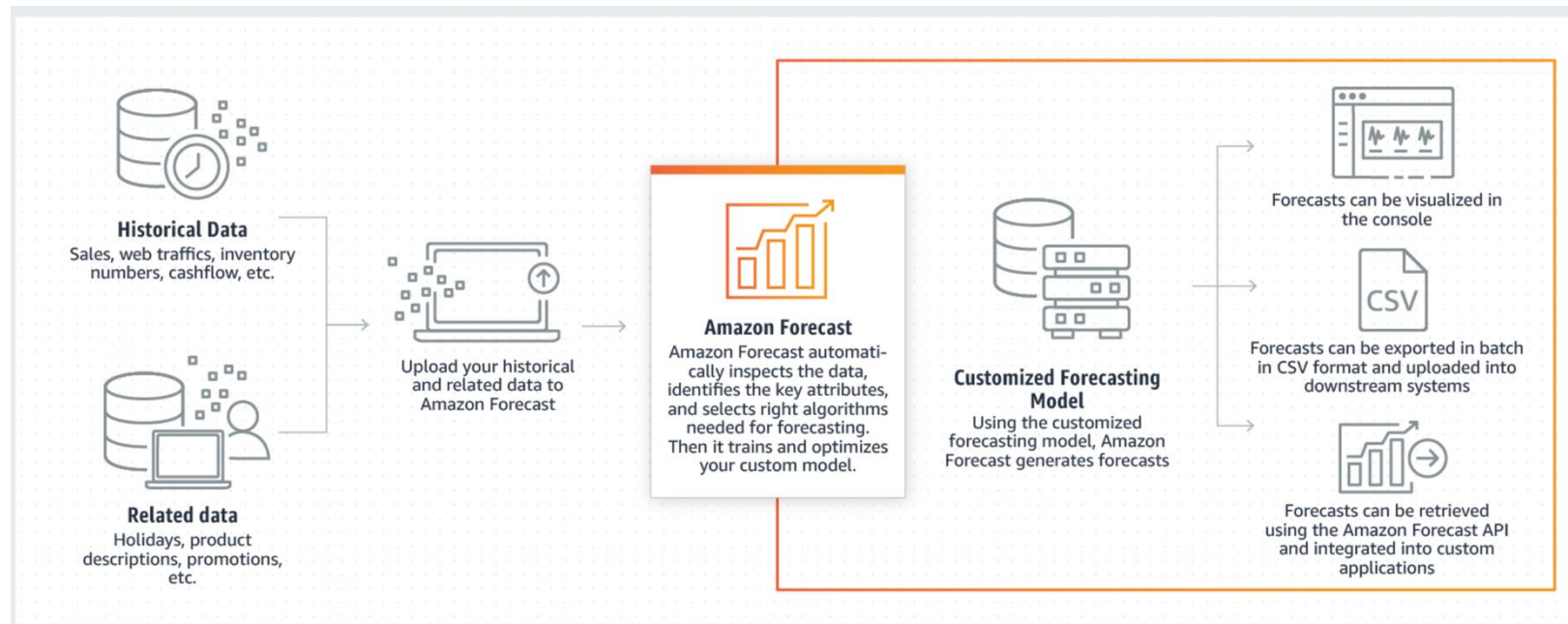
Outros serviços importantes

- Personalize:
 - <https://docs.aws.amazon.com/personalize/latest/dg/what-is-personalize.html>



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- Forecast:
 - <https://docs.aws.amazon.com/forecast/latest/dg/what-is-forecast.html>



Questoes simuladas

- An employee found a video clip with audio on a company's social media feed. The language used in the video is Spanish. English is the employee's first language, and they do not understand Spanish. The employee wants to do a sentiment analysis.
What combination of services is the MOST efficient to accomplish the task?
- A. Amazon Transcribe, Amazon Translate, and Amazon Comprehend
- B. Amazon Transcribe, Amazon Comprehend, and Amazon SageMaker seq2seq
- C. Amazon Transcribe, Amazon Translate, and Amazon SageMaker Neural Topic Model (NTM)
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