AWS re:Invent

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AIM316

AI workflow automation for document processing

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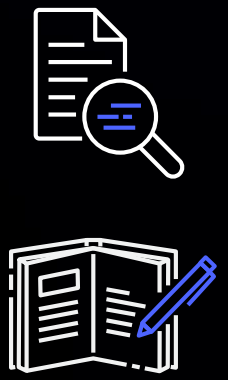
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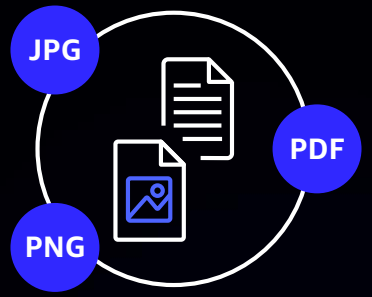
Complexity in mortgage document processing

TONS OF DOCUMENTS



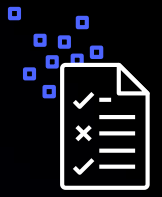
VARIED FORMATS

Bank statements, income statements, application forms, and many more…



DIVERSE CONTENT

Tables, paragraphs, logos, form templates, handwriting



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Framing the problem

Document ingestion



Aggregating and storing documents into a central location

Document preprocessing and extraction



Ensuring our documents are readable, and extracting data off the documents

Classification and processing



Identifying the class of the documents and building processing pipelines for the data

Post-processing and consumption



Manipulating our processed data and consuming it downstream

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Document processing tooling on AWS



Amazon S3

Document storage



Amazon Textract

Document extraction
Key value pair extraction
Analyzing expenses
Analyzing identities
Table extraction
Dataset generation



Amazon Comprehend

Document classification
Named entity recognition
PII detection

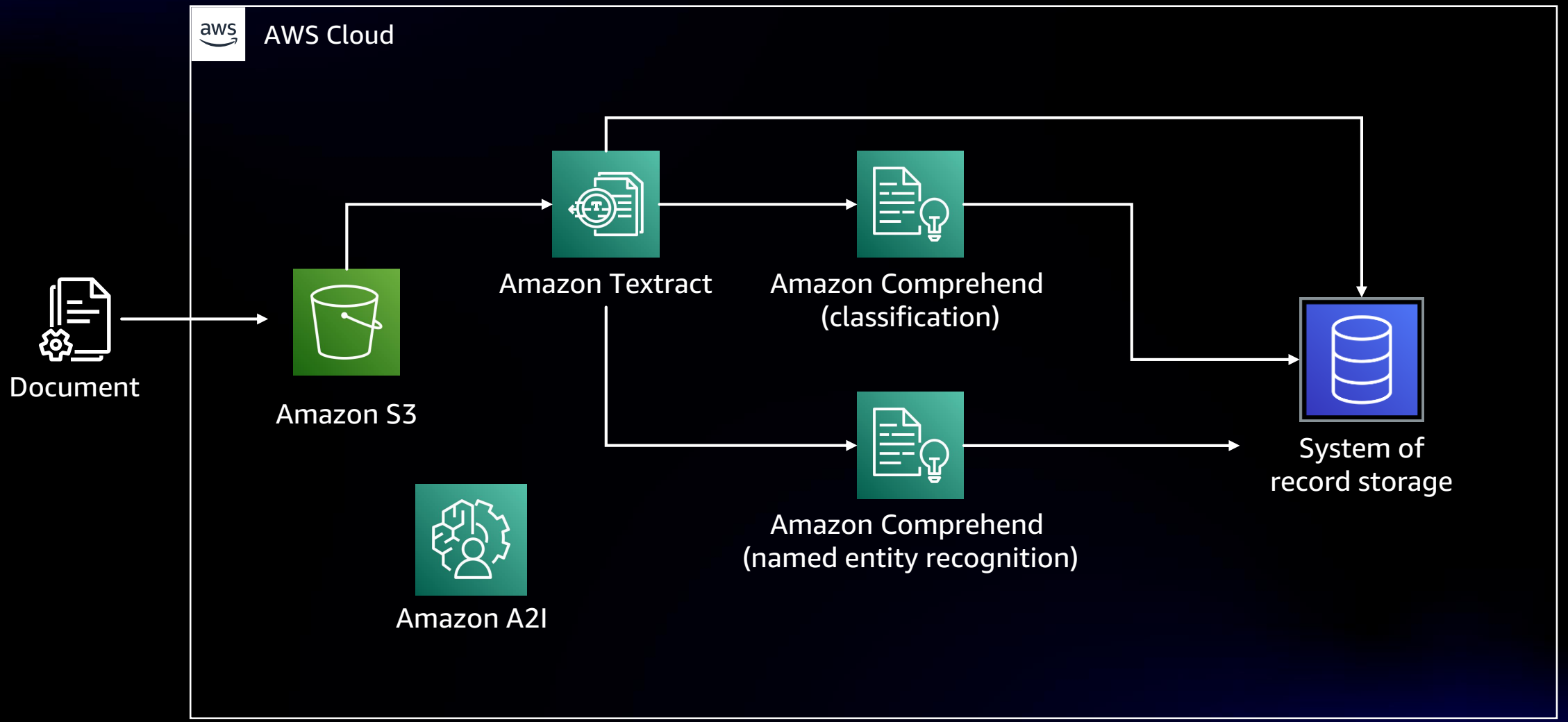


Amazon Augmented AI (Amazon A2I)

Human in the loop

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Putting it all together



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Today’s workshop

The objective of today’s workshop is to learn the different features of **AWS IDP services** and understand how they work together for different workflows. You’ll work through a challenge where you will be given 5 forms, and your job is to create a mortgage quote.

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Thank you!

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