



Automated Receipt Processing System

Introduction

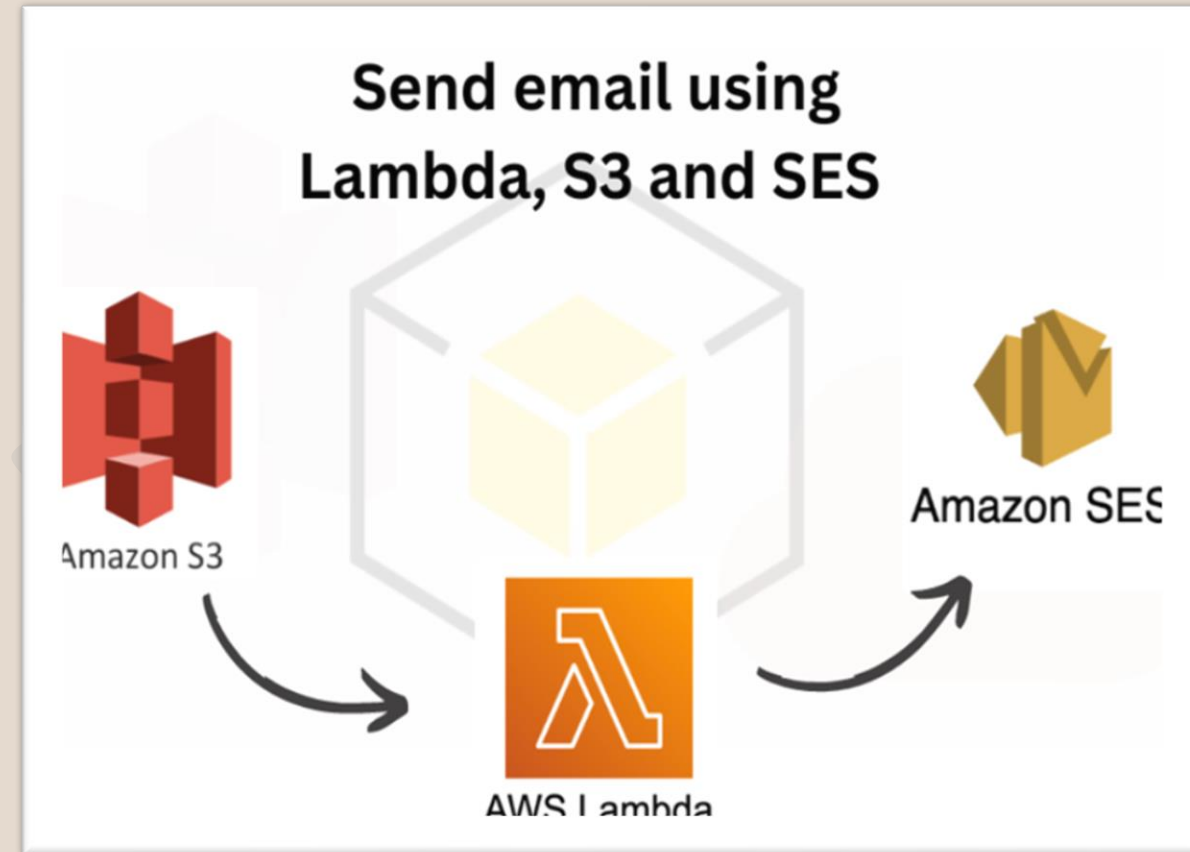
- Manual receipt entry takes too much time and can lead to mistakes.
- It slows down tasks like reimbursements, expense tracking , and audits
- It pulls out important details like date , store name , total amount, and tax.
- The system turns unstructured images into organized data
- It helps companies save time , reduce errors , and cut costs.
- The main goal is to make receipts processing faster, smarter and easier to manage.

OBJECTIVES

- Automate the extraction of key data from receipt images using OCR.
- Reduce manual work and human errors in receipt processing.
- Store receipt data in a structured and searchable format.
- Enable easy access to processed data for reports and audits.
- Integrate with other systems like accounting tools or databases

AWS Services Used

- Amazon S3: Stores uploaded receipt images
- AWS Lambda: Triggers processing upon upload
- Amazon text : Extracts text and data from receipts
- Amazon DynamoDB: Stores structured receipt data
- Amazon SES: Sends notification emails with receipt summary



workflow

1. User uploads a receipt image to S3 bucket
2. S3 triggers a Lambda function
3. Lambda uses text rack to extract receipt data
4. Data is formatted and stored in DynamoDB
5. SES sends an email notification to the user



Benefits

- Saves time by automating receipt data entry.
- Reduces errors caused by manual processing.
- Improves efficiency in expense tracking and reporting.
- Provides real-time access to structured receipt data.
- Easily scales to handle thousands of receipts.
- Integrates smoothly with accounting and ERP systems.
- Supports paperless workflows and eco-friendly practices.
- Simplifies audits with organized and searchable data.

Conclusion



- The Automated Receipt Processing System simplifies and speeds up the way receipts are handled by using OCR and machine learning.
- It reduces manual work, improves accuracy, and helps businesses manage their expenses more efficiently.
- With this system, receipt data becomes easy to store, search, and use making it a smart and scalable solution for modern financial workflows.



Thank you

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