ORACLE Cloud World Tour

Automating Invoice Processing with Al Document Understanding



Automating Invoice Processing with Al

Document Understanding

Discover how Oracle Integration with AI Document Understanding Service can seamlessly automate invoice handling processes—saving time and enhancing efficiency. This demo shows how you can use AI Document Understanding service's pretrained models to extract key information from invoices and Oracle Integration to automate approvals, handle exceptions, and create invoices in the Oracle ERP Payable Module.



Safe harbor statement

The following is intended to outline our general product direction. It is intended for information purposes only, and may not be incorporated into any contract. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions. The development, release, timing, and pricing of any features or functionality described for Oracle's products may change and remains at the sole discretion of Oracle Corporation.

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IMPORTANT NOTE

All examples and data presented in the demos are purely fictive and for showcasing purposes only. Any resemblance to real persons, or actual companies is purely coincidental. Dummy users and entities have been created for this demo, and no real data or information about individuals or organizations is being disclosed. We prioritize privacy and ethical considerations in the presentation of information, and any similarities to real-world entities are unintentional.



Al Services

Data

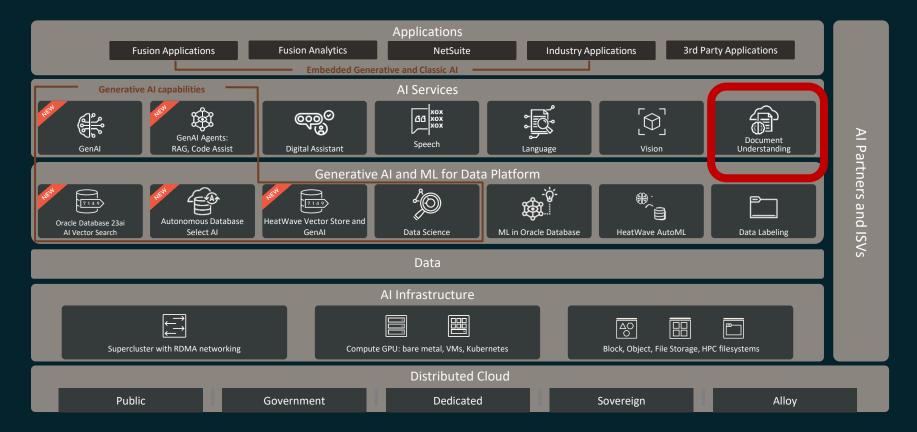
Infrastructure

Partners

Oracle brings AI to the enterprise at every layer of our stack



Tech innovations across the Oracle AI stack



Optical Character Recognition (OCR)

Why is Al important?

Consumer-facing Al products are all over the news, but Al has plenty of practical business uses. Whenever you use a spelling or grammar checker, that's artificial intelligence. Does your marketing team make product recommendations to increase upsells? Can finance process more invoices, more accurately and with fewer staff?

Thank Al.

In fact, many of the best AI products for businesses aren't products at all. They are features and functions integrated into mission-critical applications, such as enterprise resource planning (ERP), logistics, accounting, or human resources management.

- ✓ Text Extraction
- ✓ Searchable Text
- ✓ Editable Text

- X Complex Forms
- X Entities & Key Values
- X Table Detection

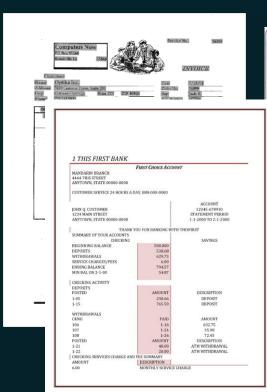


Intelligent Document Processing

1. Italiio or G.O. Entorprioo, Daoi	noo, or company				
2. Type of Business Enterprise:					
Corporation	Branch/Liaison Office	Partnership			
Privately owned	Joint Venture	Subsidiary	Other		
Address of Headquarters Sub	sidiaries and Branch Offices of U.S.	S Enterprise (Specify type of	office)		
 Address of Headquarters, Subsidiaries and Branch Offices of U.S. Enterprise (Specify type of office) 					
Telephone Number:			FAX Number:		
4. Date (mm-dd-yyyy) and Place Business Was Established or Incorporated in the United States (Attach appropriate documentation; e.g., corporate					
papers, partnership agreement, etc.)			(
. What is the nature of the busin	iess?				
General Trade	Exports from U.S.	Retail Sales	Other (Describe)		
Imports to U.S.	Manufacturing	Services/Technology			
Describe fully the services, pro	oduction, or other activity in No. 5 at	bove.			
. Name and Address of Foreign	Parent Business (If any)				
Telephone Number: FAX Number:					
8. Nationality of Foreign Entity (Corporation, Partnership, etc.) or Foreign Individual Owner of U.S. Business (Attach documentation)					
	NAME	NATIONALITY	IF INDIVIDUAL INVESTOR, IMMIGRATION STATUS/		
	NAME	NATIONALITY	IIIIIIIONATION STATUS	PERCENT OF OWNERSH	

- ✓ Complex Forms
- ✓ Entities & Key Values
- ✓ Table Detection
- ✓ Barcode, Signatures, Selections
- ✓ Structured Data from Unstructured Documents

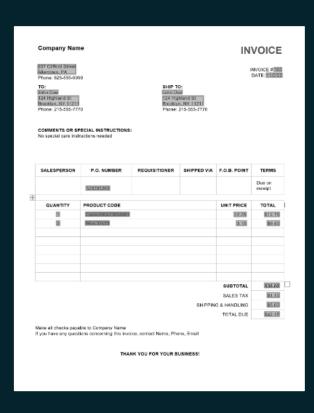
OCI Document Understanding Key Features





- ✓ One Service for All Documents
- ✓ Text Extraction
- ✓ Table Extractions
- ✓ Key Value Extraction
 - ✓ Invoices
 - ✓ Passports
 - ✓ Driving License
 - ✓ Receipt
- ✓ Document Classification
- ✓ Custom Models

Feature: Invoice Key Value Extraction (Example)



Invoice Fields:

	•	Customer	name
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- Customer ID
- Purchase order number
- Invoice ID
- Invoice date
- Due date
- Vendor name
- Vendor address
- Vendor address recipient
- Customer address
- Customer recipient
- Billing address
- Billing address recipient
- Shipping address
- Shipping address recipient

- Payment term
- Subtotal
- Total tax
- Invoice Total
- Amount due
- Service Address
- Remittance Address

Service Address Recipient

- Remittance Address Recipient
- Shipping Cost
- Service start date
- Service end date
- Previous Unpaid Balance

Line Item

- Items
 - Name
- Amount
- Description
- Quantity
- Unit Price
- Product Code
- Unit
- Tax
- Date



OCI Document Understanding - Interfaces

```
"documentFields": [
        "fieldType": "KEY VALUE",
        "fieldLabel": {
            "name": "VendorAddress",
            "confidence": 0.99862003
       "fieldValue": {
            "valueType": "STRING",
            "text": "657 Clifford Street Allentown, PA",
            "boundingPolygon": {
                "normalizedVertices": [
                        "x": 0.08454810495626822,
                        "v": 0.10219399538106236
                        "x": 0.21793002915451896,
                        "y": 0.10219399538106236
                        "x": 0.21793002915451896,
                        "y": 0.13048498845265589
                        "x": 0.08454810495626822,
                        "v": 0.13048498845265589
            "wordIndexes":
            "value": "657 Clifford Street Allentown, PA"
```

Rest APIs

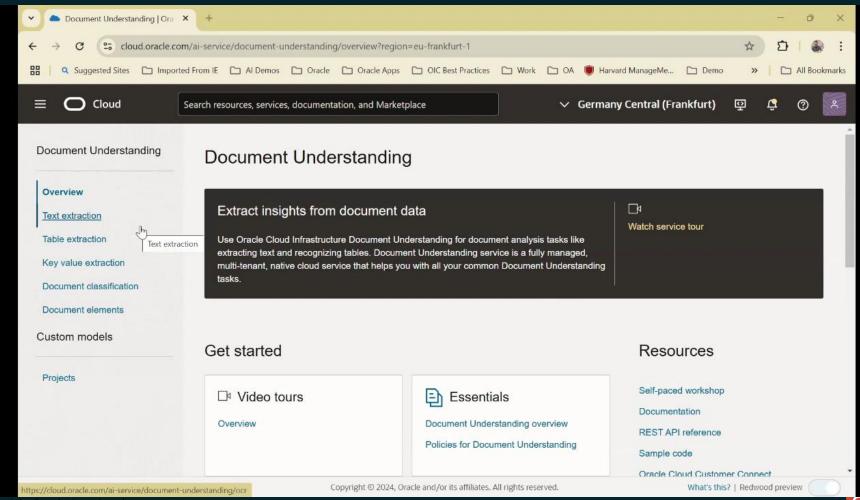
- In-line Document Ingestion
- Read from Object Storage

SDKs

- Java
- Python
- Go
- TypeScript/JavaScript
- .Net
- Ruby
- PL/SQL







Your business automation journey







Connect Apps and Data

Automate connectivity to disparate applications and data sources using APIs and RPA robots

Eliminate data silos

Inform decision-making

Enhance AI with enterprise data

Support innovation

Automate Processes

Automate complex processes spanning apps, data, trading partners, digital, and human workers

Reduce manual work

Minimize errors

Boost productivity

Empower employees

Innovate with Al

Automate orchestration of AI services, AI-based decision making, and intelligent document processing

Streamline processes

Workforce augmentation

Speed adaptability

Increase scalability



Building blocks of Business Automation



Connect & Integrate Apps



Automate Workflows



Conversational Assistant



Automate Trading Partners



Low Code Applications



Al Document Processing



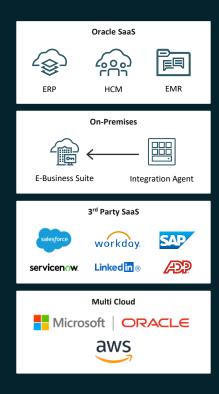
Robotic Process
Automation



Decision Automation



Oracle Integration is your business automation platform







Data consistency across the enterprise



Foundation for datadriven innovation



Increased productivity and reduced costs



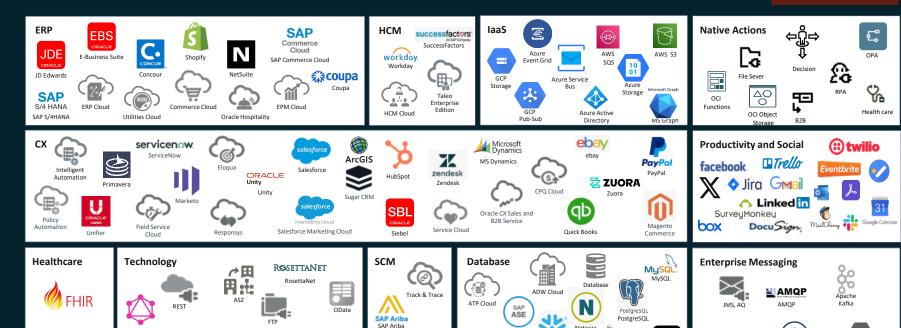
Engaging experiences that grow the business



Oracle Integration Connectivity

Prebuilt adapters for cloud, on-premise, Oracle, non-Oracle apps

100+ Adapters



Logistics Cloud

SAP ASF

Database Cloud

Snowflake

Snowflake

DB2

OCI Streaming

SOL Server

MS SQL Server

MQSeries

SOA Suite

FILE

GitHub

Intelligent Document Processing for invoice handling

Documents Received Event driven Integration Document
Classification
& Extraction

Validation & Enrichment

Exceptions & Approvals

System Integration

Documents received from a variety of sources

Integration subscribes to email and File Server events

OCI AI Document Understanding classifies and extracts data Business rules and data enforce enterprise policies

Workflow orchestrates manual tasks using integration to access data

Enterprise apps and data are updated and synchronized

Document Sources



Email



File Server

End-to-end Process



Integration



OCI AI Services

Document Understanding



ERP

Workflow Process



Process Automation



Integration

Apps and Data



3rd Party



Database



How Oracle Integration can help you

Use Oracle Integration to:



Connect Apps and Data



Automate Processes



Innovate with AI



Complete portfolio of automation capabilities



Prebuilt integrations and connectivity

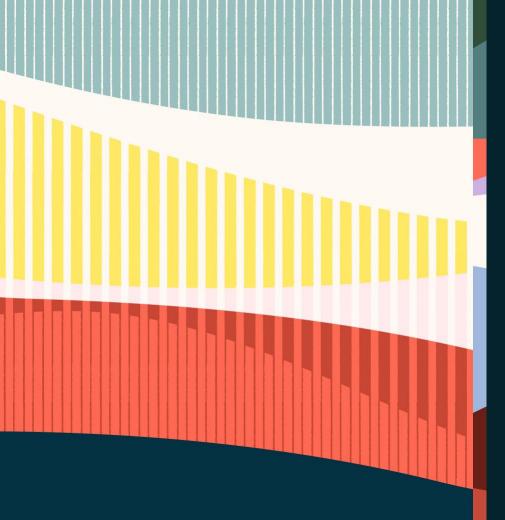


Connect apps, data, humans, and bots



Orchestrate OCI and AI services





ORACLE Cloud World Tour

Thank You

