



Claims Medical Record

Digestion and Visualization



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The Hartford

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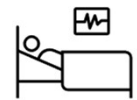
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Business Context

Claim handling staff manually analyze, review and process millions of medical records on an annual basis.

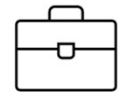


These records are critical to the evaluation and processing of a claim as they inform current and upcoming claim adjudication decisions, which impact everything from:



how promptly our injured claimants receive care

how quickly they get back to work



when and how long they receive income replacement

Business Objective

Digitize, extract, and better visualize data from medical record images, enhancing accuracy and completeness of data captured to provide a holistic picture of claimant's health to our claim handlers

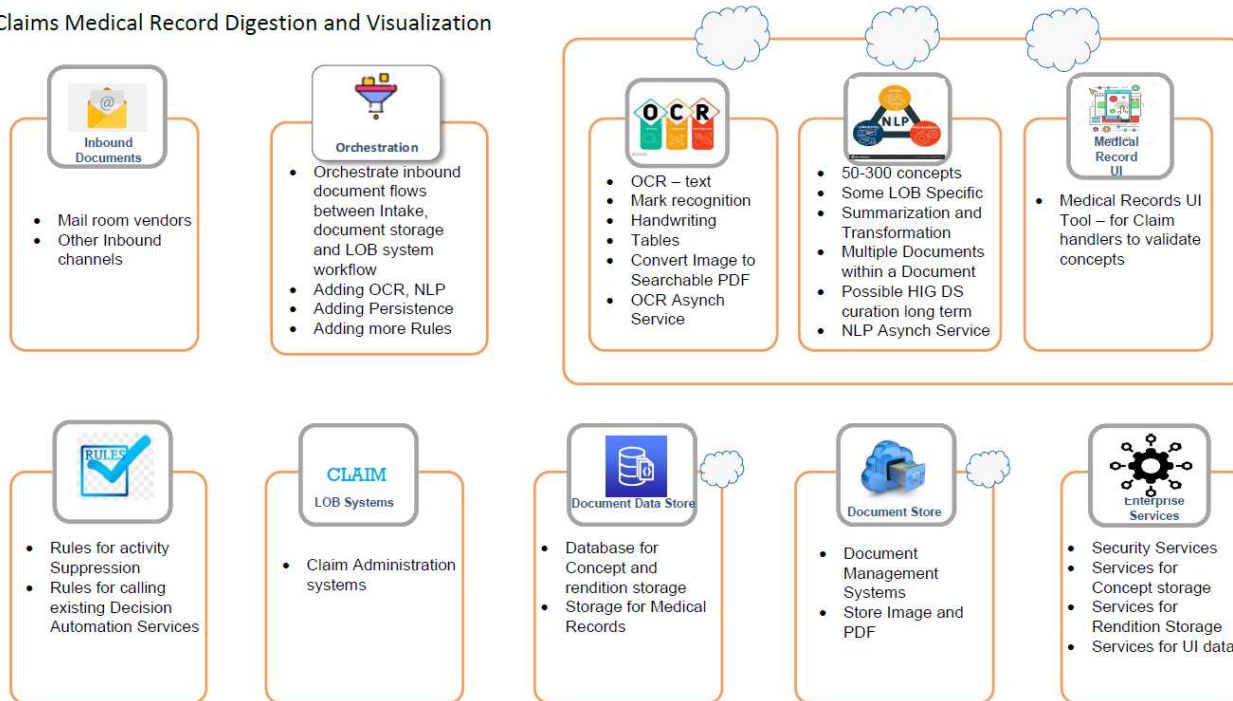
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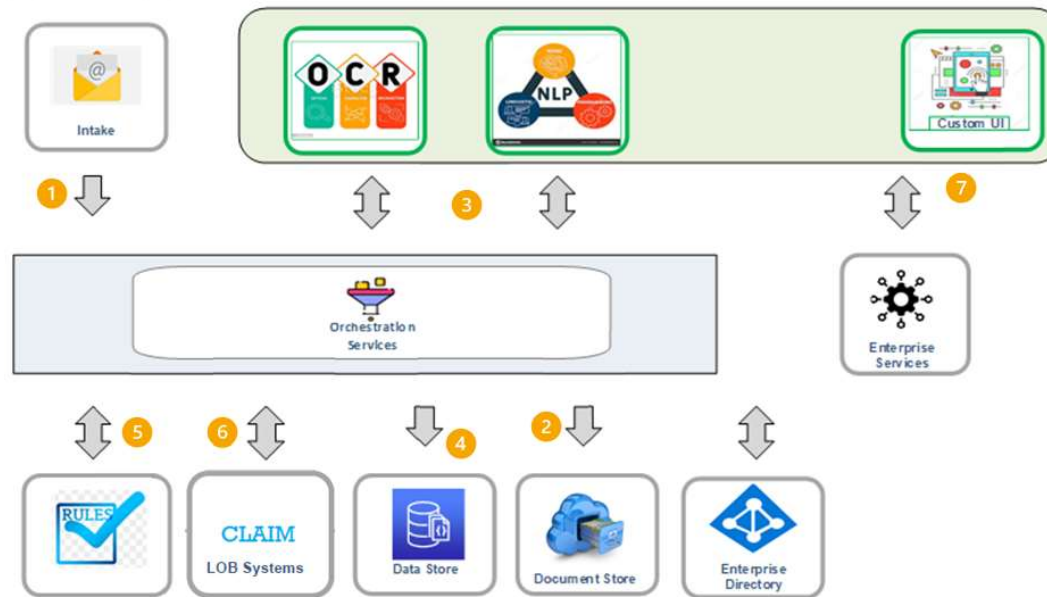
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Architecture Components

Claims Medical Record Digestion and Visualization



Solution Architecture



- 1 Scan and index incoming mail, email and FAX
- 2 Store document images into Document Management repository
- 3 Perform OCR and NLP
- 4 Store extracted contents
- 5 Apply rules to filter Medical Records
- 6 Notify Claim LOB system
- 7 Through UI, display claim and medical data along with the document

Implementation Team

Claims Business Team

Leadership Team

Enterprise Architects

Vendor Management Team

Claims IT Team

Enterprise Cloud Office

OCR SaaS Vendor

Law Office

Document Management Team

Business Process Management Team

Natural Language Processing SaaS Vendor

Compliance Team

Shared Services Team

Enterprise Data Office

Information Security Office

Data Science Team

Enterprise Middleware Integration Team

Performance Engineering Team

User Experience Team

Quality Assurance Team

Thank you

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