### How Box Evolved from Simple AI to Agentic Systems for Enterprise | LangChain Interrupt















#### 4,640 views Jun 10, 2025

Box's CTO, Ben Kus, shares how their AI document extraction system hit a wall when customers brought real-world complexity-300-page documents, 500+ data fields, and OCR challenges that broke their simple AI approach. After initially deploying to 10 million pages successfully, Box completely re-architected their system using a multi-agent agentic approach that separated complex problems into specialized sub-agents. This transformation not only solved their scaling issues but made their system dramatically easier to evolve and update for enterprise needs.

Watch all of our recorded sessions from Interrupt here: https://interrupt.langchain.com/video...

### UNLOCKING AGENT CREATION: AGENTIC ARCHITECTURE LESSONS LEPRNED AT

Fortune 500

**Total customers** 

ACE





























































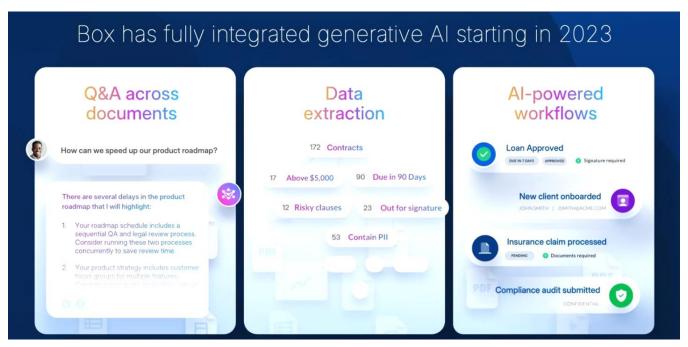


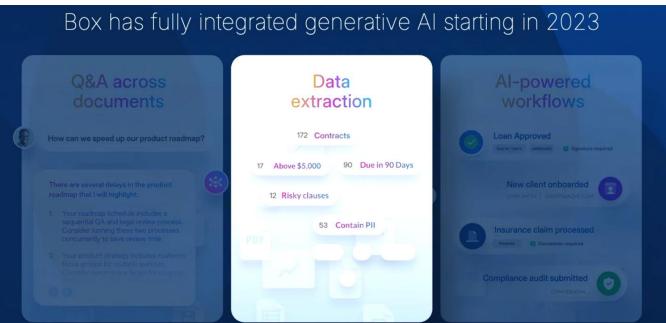


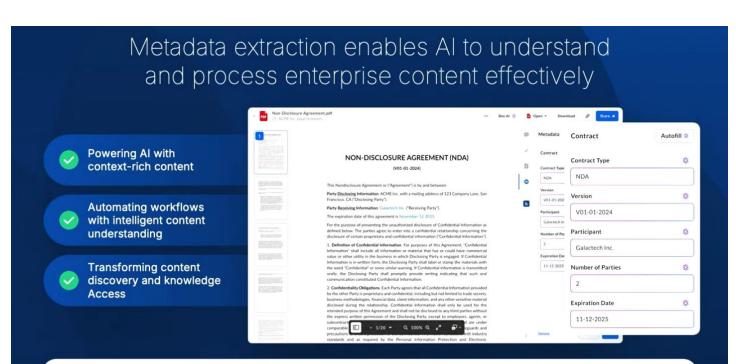






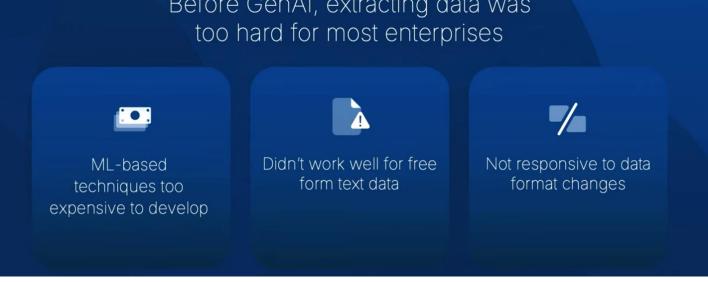


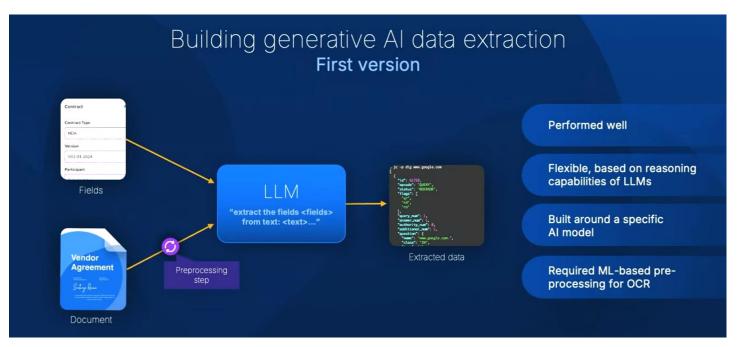


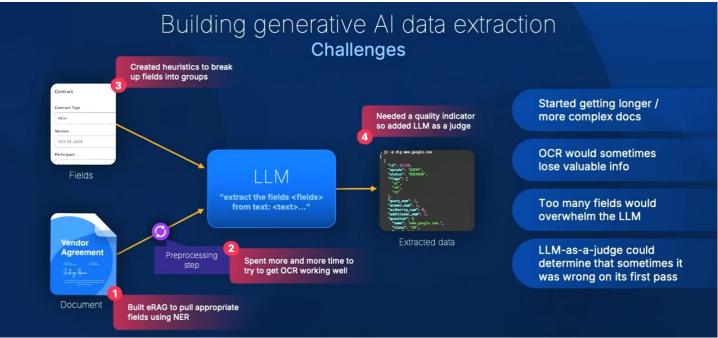


Over 90% of enterprise data is unstructured, with critical metadata buried deep within

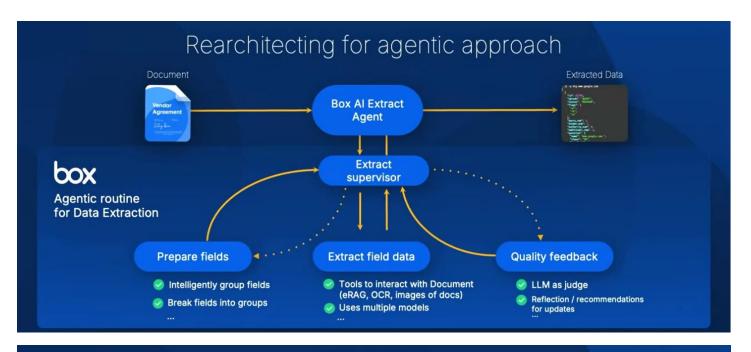








Our simple, elegant LLM-powered architecture became convoluted, fragile, and hard toupdate



# Lesson learned Build agentic architecture early!

## Cleaner platform abstraction

Separation of high-scale infra work vs. improving specific agent actions

## Ease to evolve quickly

techniques and Al models become available

## Improved engineering Al culture

Helps engineers think agentically (state diagrams, Tools, A2A, ...) as part of overall ecosystem