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## Solution Document

💭 Knowledge Base 🛛 😸 Apps 💿 Agents 455 Credits ... John Appleseed JA ZBrain 👯 🟦 🚨 Contract Summarization Agent Complete © Output Completed < > F Queue Agent Activity **6** Search Contract\_Horizon\_Industries\_&\_SilverCreekSolutionsLLC.pdf 4 53 Webhook Trigger Ø Contract Agreement ⊘ Rules (Variable) Parties Parties This contract is entered into by Horizon Industries, Inc. ("Party A"), a manufacturing company headquartered in Los Angeles, California, and Silver Creek Solutions, LLC ("Party B"), a logistics and distribution firm based in Dallas, Prompt Contract\_TechCorp\_&\_Health.. Texas. The agreement is effective as of October 1, 2024. Contract\_AlphaBank\_&\_Secur... Contract Summarization Agent Recitals WHEREAS, Horizon Industries, Inc. specializes in the production of high-quality consumer electronics and has developed a new product, hereinafter referred to as Contract\_GreenEnergy\_&\_... Q Search contract details Monitor; and WHEREAS, Silver Creek Solutions, LLC is a logistics and distribution company with a B Obligations Deadlines Payment Terms Legal & Governance Penalties All Section Contract\_SwiftLogistics\_&\_Ret... Interview is a probable of delivering large volumes of products across North America, and WHER&AS, both parties desire to enter into this agreement whereby Horizon industries, inc. agrees to supply, and Silver Creek Solutions, LC agrees to purchase, the specified number of units of Monitor, in accordance with the terms and conditions set forth Party A Horizon Industries, Inc. Contract\_BioPharma\_&\_InnoT... Name: Horizon Industries, Inc. Location: Los Angeles, California Role: Manufacturing company Deliver 10,000 units of Monitor NOW, THEREFORE, in consideration of the mutual covenants and promises contained herein, the parties agree as follows: Contract\_TravelEase\_&\_Hospi... Party B Name: Silver Creek Solutions, Inc. Silver Creek Solutions, LLC Contract\_EduTech\_&\_Nation... Obligations Location: Dallas, Texas Make payment of \$500,000 1. Horizon Industries, Inc. agrees to manufacture and deliver 10,000 units of Monitor to Horizon Industries, Inc. agrees to manufacture and deliver 10,000 units of Monitor to Silver Creek Solutions, LL Cat Its primary distribution center in Dallas, Texas, no later than December 1, 2024.
All units must conform to the specifications listed in Exhibit A attached hereto and incorportated by reference.
Silver Creek Solutions, LLC agrees to provide the necessary warehousing space, labor, and handling for the delivered goods.
Silver Creek Solutions, LLC shall make a payment of \$500,000 to Horizon Industries, the reference of the solutions of the solutions of the delivered solution. Role: Logistics and distribution firm Contract\_FinancePlus\_&\_Cyb... Effective Date: October 1, 2024 Contract\_AutoDrive\_&\_Steel... Governing Law Contract\_RealtyVision\_&\_Eco... Dispute Resolution Inc. for the delivered goods, to be paid within 30 days following receipt of the Payment Due products. products. 4. Horizon Industries, Inc. shall provide a one-year warranty covering any manufacturing defects or failures in Monitor, excluding damages caused by improper handling or misuse after delivery. 5. Both parties agree to comply with all applicable federal and state regulations, including Comsumer Product Staffy Act (CPA) requirements and Federal Trade Commission (FTC) regulations regarding product labeling and marketing. Contract\_OptiTech\_&\_BlueWa... Amount: \$500.000 Late Delivery Contract\_SolarBright\_&\_Eco... 2% of contract value per week Applies after December 1, 2024 Early Payment Discount Late Payment Contract\_MetroConnect\_&\_... Contract\_NextGenRetail\_&\_... හ

# Contract Summarization Agent Solution Document



# Problem Statement

For many organizations, manual contract review is labor-intensive and often leads to inconsistencies. When multiple departments, such as marketing, product development, or legal, require specific insights, summarizing contracts becomes even more challenging. Contracts are typically lengthy and use complex language, making it difficult to identify and extract the important details for different departments. This is especially true for high-volume contract management, where tailored summaries aligned with each department's focus—whether on compliance, deliverables, or risk management—are essential.



# **Solution Statement**

The contract summarization agent offers a structured approach to contract summarization, automating the process by utilizing a pre-defined set of rules tailored to different departments. It leverages inputs from both the original contract and the report generated by the Contract Clause Extraction Agent, providing a concise, organized summary. This enables stakeholders to quickly understand core contract elements, obligations, risks, and department-specific clauses without combing through the entire document. With customization capabilities, this agent is ideal for companies needing a fast and accurate way to tailor contract summaries for specific departmental needs.



# Agent Setup

The contract summarization agent is configured with several components designed for clarity and customization:



### 1. Input Sources

The agent takes two main inputs:

- Original Contract Document: Typically in PDF or text format, representing the complete contract content.
- Contract Clause Extraction Agent Output: A report generated by the Contract Clause Extraction Agent, identifying specific clauses under 41 predefined categories.

# 2. Variable Instruction Set

- The agent allows for customized instructions based on departmental requirements.
- For example, if the marketing team requires specific contract items, instructions can direct the agent to summarize clauses relevant to marketing alone. Users can likewise set instructions tailored to product development, legal, or any other department.



# Agent Setup

## 3. Large Language Model

• The agent uses an LLM to perform the summarization, interpreting the original contract and clause extraction report to produce a coherent, department-specific summary.

### 4. Prompt Setup and Customization

• The agent utilizes a configurable prompt that structures the summary according to specified guidelines. This prompt guides the LLM to structure the summary into clear sections like overview, key terms and conditions, responsibilities and obligations, limitations and risks, and conclusion—based on department-specific instructions.

## 5. Human Feedback Loop

• The agent incorporates user feedback on the accuracy and clarity of summary reports, systematically analyzing this input to identify recurring issues and drive ongoing improvements in the summarization process.

This structured setup enables the contract summarization agent to generate clear, department-specific summaries from complex contracts, ensuring rapid extraction of key insights.



# How the Agent Works

The contract summarization agent is designed to automate the analysis and summarization of contracts efficiently, ensuring key details are extracted and presented clearly. Integrated into a contract management system, the agent activates when a contract is uploaded, initiating a series of automated steps. By leveraging advanced Large Language Models (LLMs), it evaluates the content, identifies critical clauses, terms, and obligations, and generates concise summaries. This process streamlines contract review and enhances decision-making, ensuring comprehensive and accurate extraction of essential information. Below is a detailed breakdown of how the agent functions at each step:



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# How the Agent Works

### Step 1: Content Analysis and Data Extraction

Once users upload the contract document to the Contract Management System (CMS), the agent automatically converts the contract into a structured, organized format for easier analysis and processing. The LLM analyzes the contract's clauses, terminologies, and contextual references to ensure accurate extraction of critical details. The process involves several tasks:

#### Key Tasks:

- **Document analysis:** The agent leverages a large language model to process and interpret the contract document with precision. It analyzes the document structure, identifies key clauses, and extracts critical information to streamline contract review and decision-making.
- **Term Extraction:** Key terms and phrases relevant to the contract, such as parties, dates, obligations, and terms, are identified and extracted.

#### Outcome:

• Improved Data Extraction: The agent transforms unstructured contracts into structured formats, ensuring that key terms and clauses are accurately extracted. This lays the foundation for more precise analysis in subsequent steps, enhancing overall contract management.

## **Step 2: Document Segmentation and Filtering**

Document segmentation and filtering are crucial to ensure the contract's content is organized and relevant. The agent divides the document into meaningful sections based on predefined rules or user preferences for efficient analysis. The process involves key tasks:

#### Key Tasks:

- **Segmentation:** The agent divides the contract into coherent sections (e.g., Key Terms, Obligations, Financials, Important Dates, and Recitals).
- **Filtering:** The agent analyzes and filters the content of each section, tailoring the output to align with user preferences or predefined rules for precise and relevant insights.

#### Outcome:

• **Organized and Relevant Content:** The agent segments the document into relevant sections according to predefined rules or user preferences to enable efficient analysis. The agent ensures that only the most pertinent content is retained. This results in a more focused and efficient summarization process.

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# How the Agent Works

## **Step 3: Summary Generation and Formatting**

After documents are segmented and filtered, the focus is on generating and formatting a comprehensive contract summary to ensure clarity and accessibility. This process involves creating detailed summaries, formatting reports, and delivering concise briefs to stakeholders.

#### Key Tasks:

• Automated Summarization: The agent generates a comprehensive contract summary, highlighting key aspects such as the contract type, parties involved, effective date, duration, and governing law. It also includes a list of critical terms in a chronological list of essential dates, deadlines, and financial terms like payment amounts, schedules, and penalties. Additionally, the summary outlines key obligations for each party and identifies potential risks, unusual clauses, missing elements, and ambiguous language to ensure clarity and minimize risks.

• **Formatting:** The agent generates a professionally formatted summary report, ensuring clarity and readability. **Outcome:** 

• **Clarity and Readability:** The agent produces a comprehensive, clearly formatted contract summary, providing stakeholders with essential details. The executive brief ensures quick access to high-level information, enhancing the contract review process.

## Step 4: Continuous Improvement Through Human Feedback

After the contract is summarized, the agent incorporates human feedback to enhance its summarization capabilities and adapt to evolving contract formats, ensuring continuous improvement in the summarization process.

#### Key Tasks:

- **Feedback Processing:** Users provide feedback on the accuracy and clarity of the contract summary. The agent analyzes this feedback to identify areas for improvement.
- Error Correction: Feedback highlights issues with extracted terms or misunderstood clauses, prompting the agent to adjust its rules and summarization algorithms.
- **Knowledge Base Update:** The agent updates its internal knowledge base with new insights, improving its ability to summarize similar contracts more accurately in the future.

#### **Outcome:**

• **Continuous Improvement:** The agent evolves with each processed contract, becoming more accurate and efficient over time. This adaptive learning ensures the agent can handle diverse contract formats and complexities, refining its summarization capabilities.



# Key Benefits



### **Risk Mitigation**

Department-focused summaries provide quick access to essential information, helping teams to address compliance issues and contractual risks preemptively.



### **Department-specific Customization**

The agent's ability to tailor summaries by department ensures each team receives only the relevant information, making it easier to focus on specific obligations, terms, and risks.



### **Enhanced Efficiency**

By automating the summarization process, the agent significantly reduces the time spent on manual review, which is especially valuable for organizations handling high volumes of contracts.



# Scalability

The agent's automated, customizable framework allows it to process multiple contracts rapidly, supporting scalability for large organizations.



#### Improved Consistency

The standardized prompt and structure ensure that every contract summary is organized in a uniform format, reducing inconsistencies.



# Conclusion

The contract summarization agent is an invaluable tool for organizations needing precise, department-specific contract insights. By tailoring contract summaries to each team's needs, this agent simplifies the review process, ensuring that each department receives a clear, concise summary of relevant terms, responsibilities, and risks. As a result, legal, product, marketing, and other teams can make informed decisions swiftly without wading through the entire contract. This agent is a practical solution for enhancing efficiency, accuracy, and compliance in contract management.