

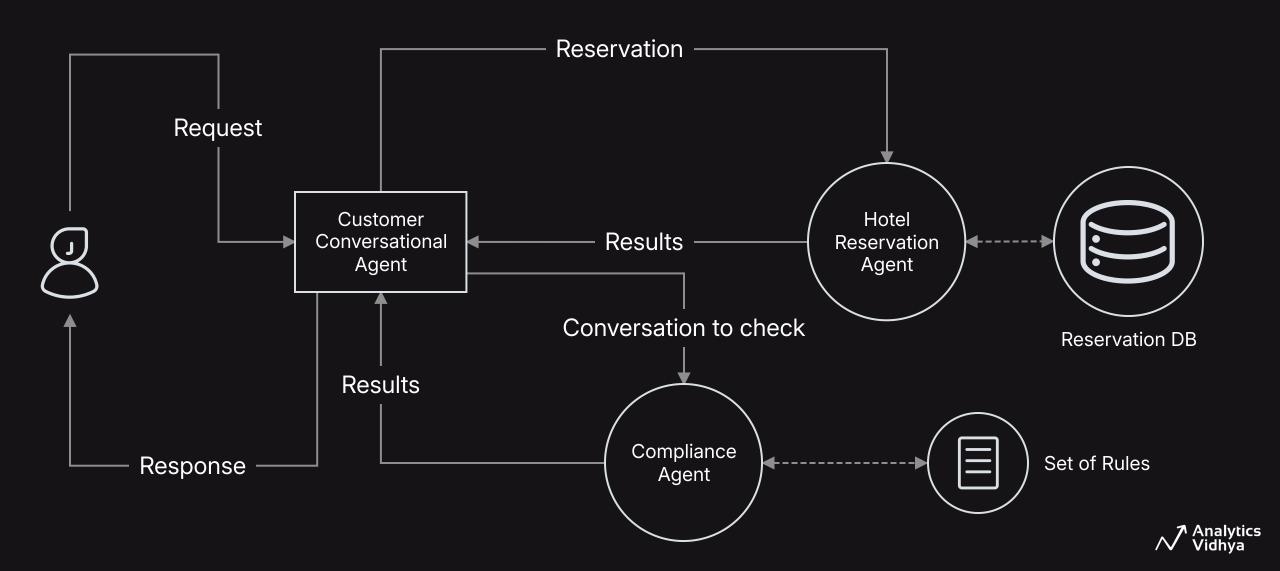
Agent 3: Compliance Checker

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High-Level Architecture



Retrieval Augmented Generation

Advantages

- Overcomes prompt limitations by retrieving external knowledge.
- Provides reliable information from trusted sources.
- Easily adaptable by modifying data sources.



Retrieval Augmented Generation

Concept of embeddings

- Word Vectors Represent words numerically in multidimensional space.
- **Dimensional Characteristics** Each dimension captures a unique feature of a word.
- Semantic Similarity Enables finding related phrases efficiently.



Query Preprocessing

- Compliance check
- Other options:
 - query rewriting
 - multiple queries



Hands-on

Extend system with compliance check

