



# HOW GRAPH RAG OPERATES

01

## Text Chunking

Divide text into overlapping chunks for context preservation



02

## Entity and Relationship Extraction

Use LLM to identify entities and relationships in each chunk



03

## Knowledge Graph Construction

Build knowledge graph with entities as nodes and relationships as edges



04

## Community Detection

Apply algorithms to identify densely connected node clusters



05

## Community Summarization

Generate summaries for each detected community using LLM



06

## Query Processing

Match query to relevant community summaries



07

## Answer Generation

Use selected summaries as context for LLM to produce final answer