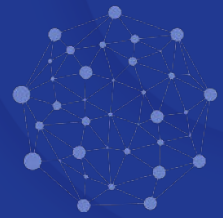
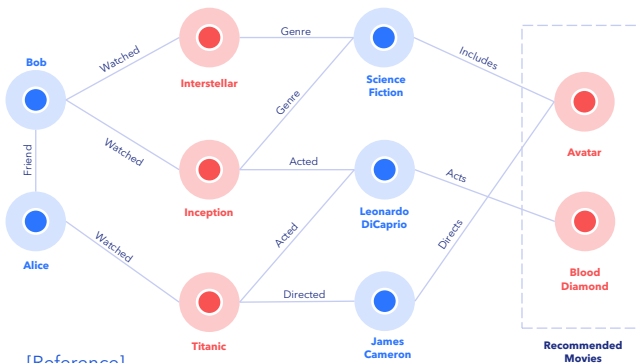


Harnessing the Power of Knowledge Graphs for Your Business



What is it?

A knowledge graph represents a network of real-world entities—such as objects, events, situations or concepts—and illustrates the relationship between them. This information is usually stored in a graph database and visualized as a graph structure, prompting the term knowledge “graph.” At its simplest form, a knowledge graph fundamentally consists of nodes (“things”) and edges (“relationship between two things”). For example, a node can be a movie, or a person. An edge can be a “casted in” relationship between a person and a movie



[Reference]

Why should I use it?

Data Discovery Speed



Ask contextual questions of your data and discover new data relationships and unrecognized business value

Pattern Recognition Performance



Quickly test hypotheses for potential business value (GraphDB takes 1.4s to traverse relationships 4-levels deep vs. 25.7m in T-SQL [Reference])

Data Catalog Alternative



Built-in context for data assets and ability to integrate diverse data sources makes it a natural and flexible replacement tool for Data Catalog

When should I use it?

Here are a few items to consider when determining if knowledge graph is appropriate for your use case

- 1 If your data is complex in nature and has recursive relationships
- 2 If your data model changes often or has convoluted relationships
- 3 If your data is highly connected where entities are rich in metadata
- 4 If your questions are more about the relationships between things than about the things themselves
- 5 Use cases such as (but not limited to) data governance, fraud detection, knowledge management, search, and recommendations

How do I get started?

Data

High quality data and thoughtful pre-defined relationships are at the core of knowledge graphs



POPULAR TOOLS FOR KNOWLEDGE GRAPHS



AWS Neptune

Azure Cosmos

Neo4j

GraphDB

READY TO GET STARTED?



Pariveda delivers outcome-based solutions ranging from strategy to execution. Scan the QR code to collaborate with us for your Knowledge Graph needs