

Build Faster, More Responsive Analytics with a Semantic Layer



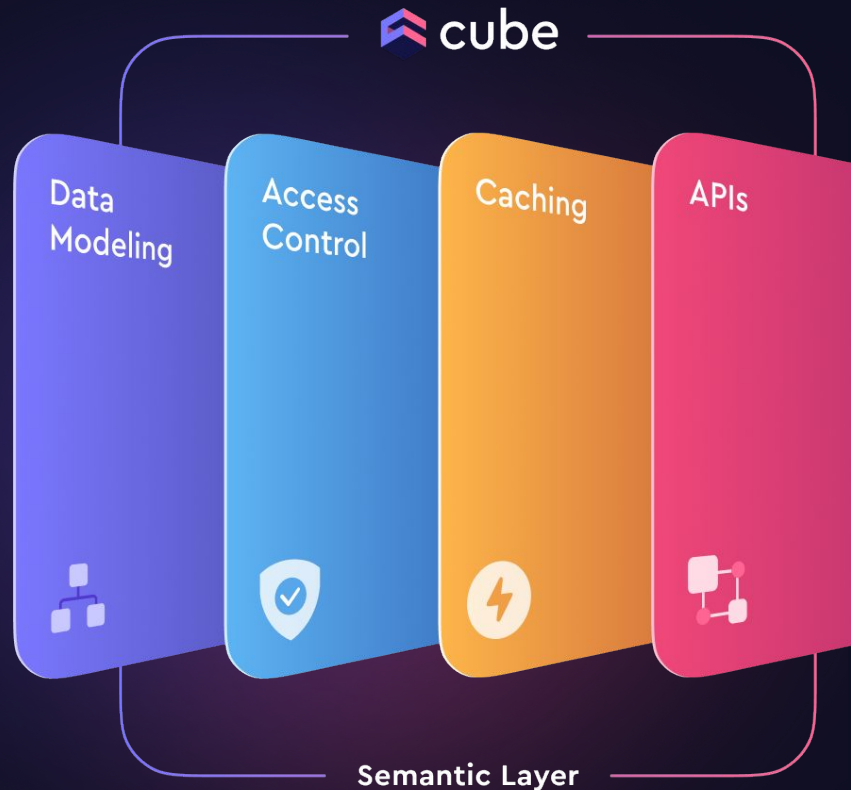
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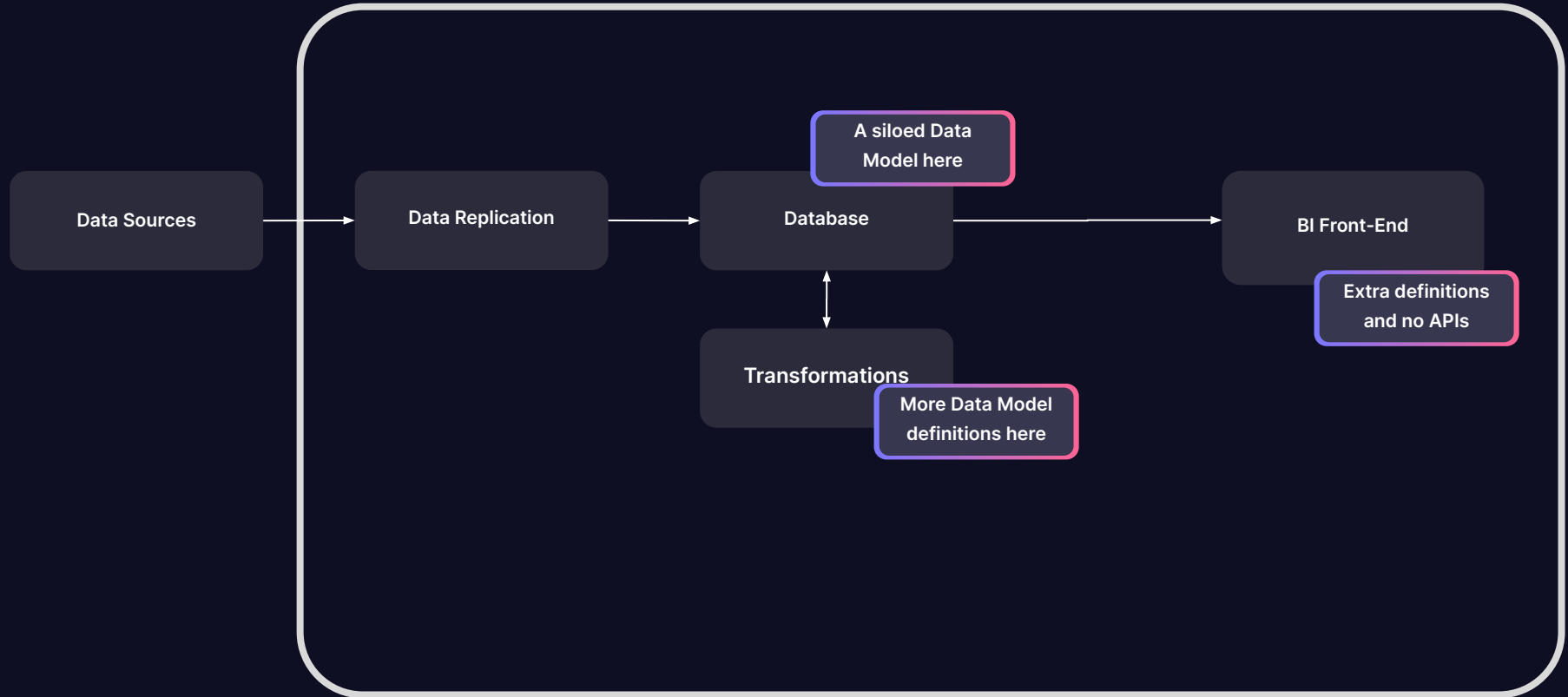


What we will cover today

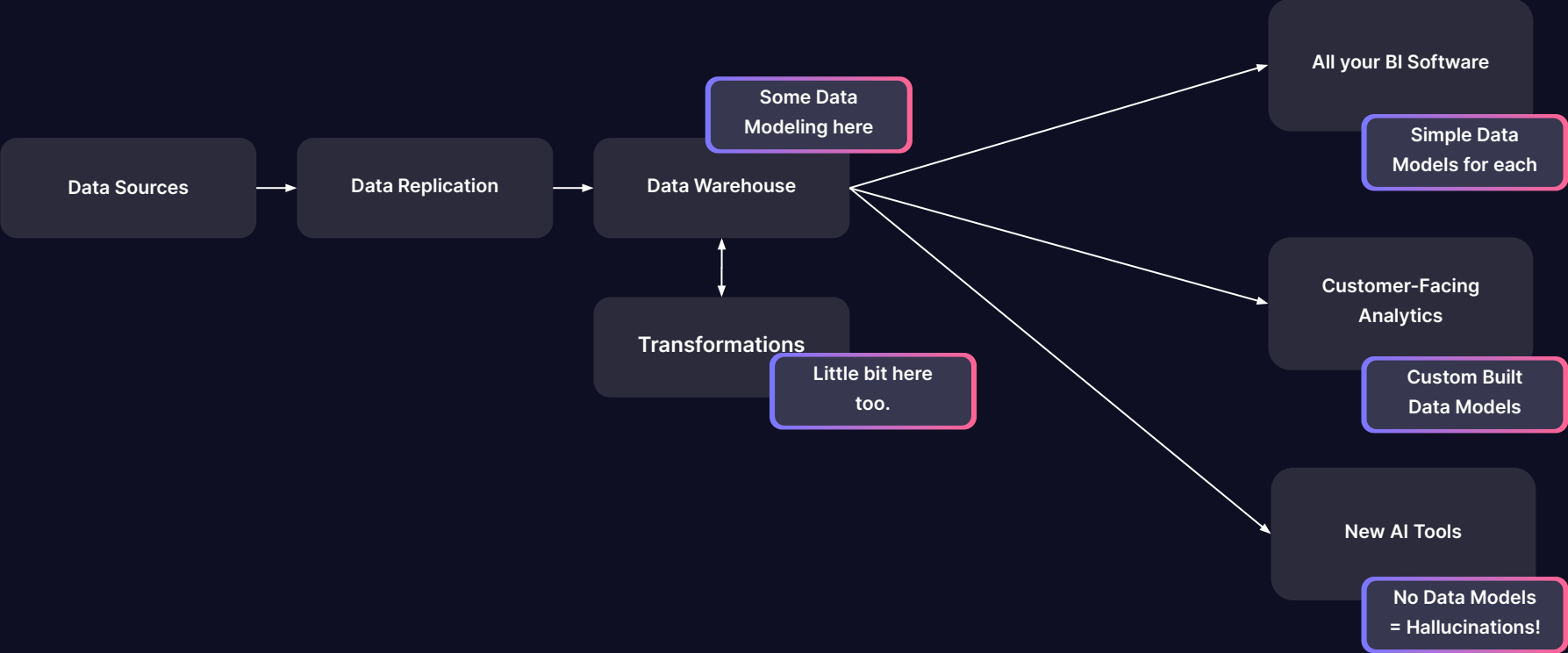
- How it Started: A journey through the Data Stack history
- Faster Analytics with Semantic Layers
- Caching, Pre-Aggregations and OLAP Cubes.
- Demo
- Audience Q&A

How it Started: A journey through the Data Stack history

How it started? One Vendor Monoliths: Lack of flexibility

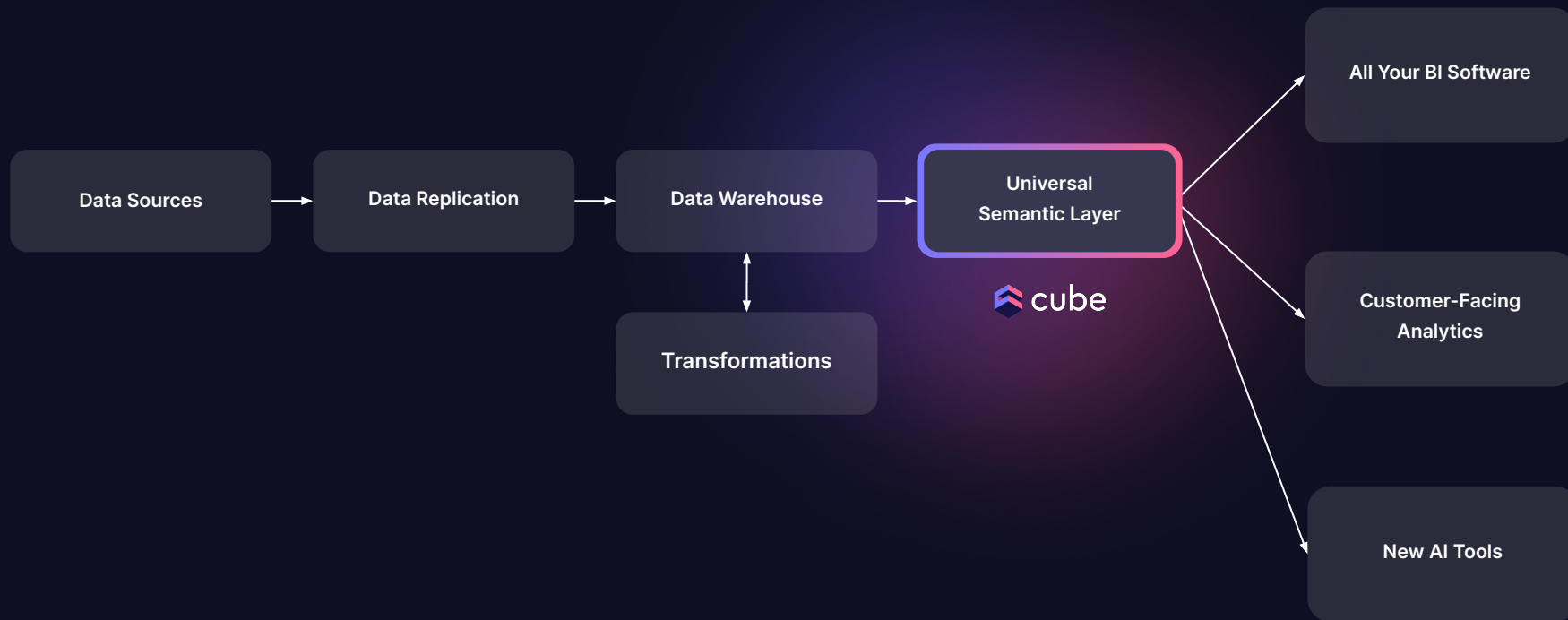


Model Chaos: Duplicate Efforts, Error Prone

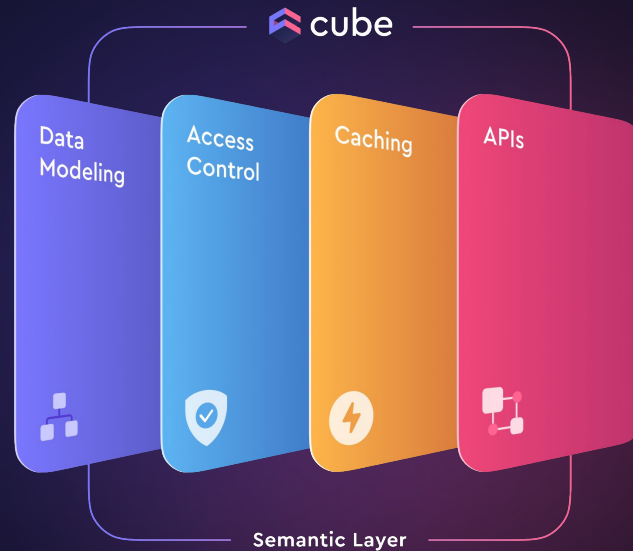


Faster Analytics with Semantic Layers

Model Once. Deliver Anywhere.

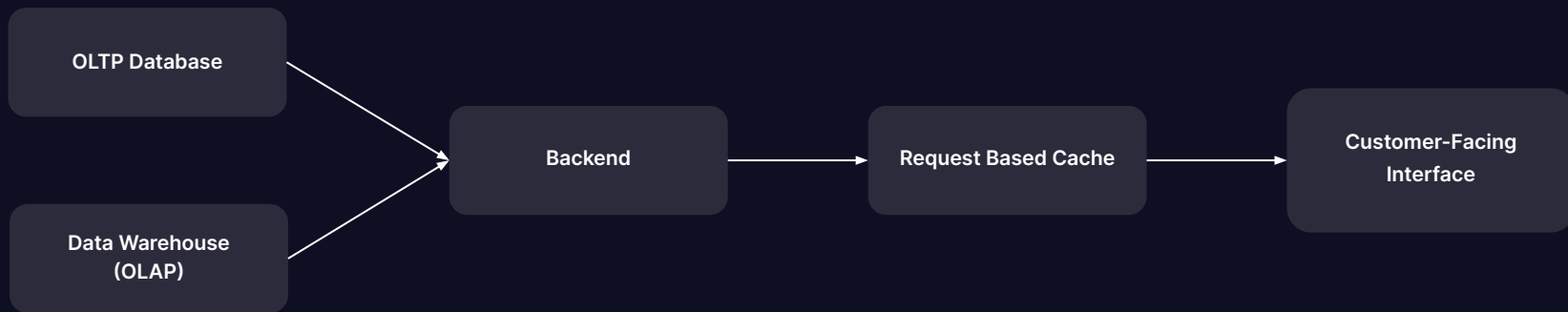


Components of a full stand-alone Semantic Layer

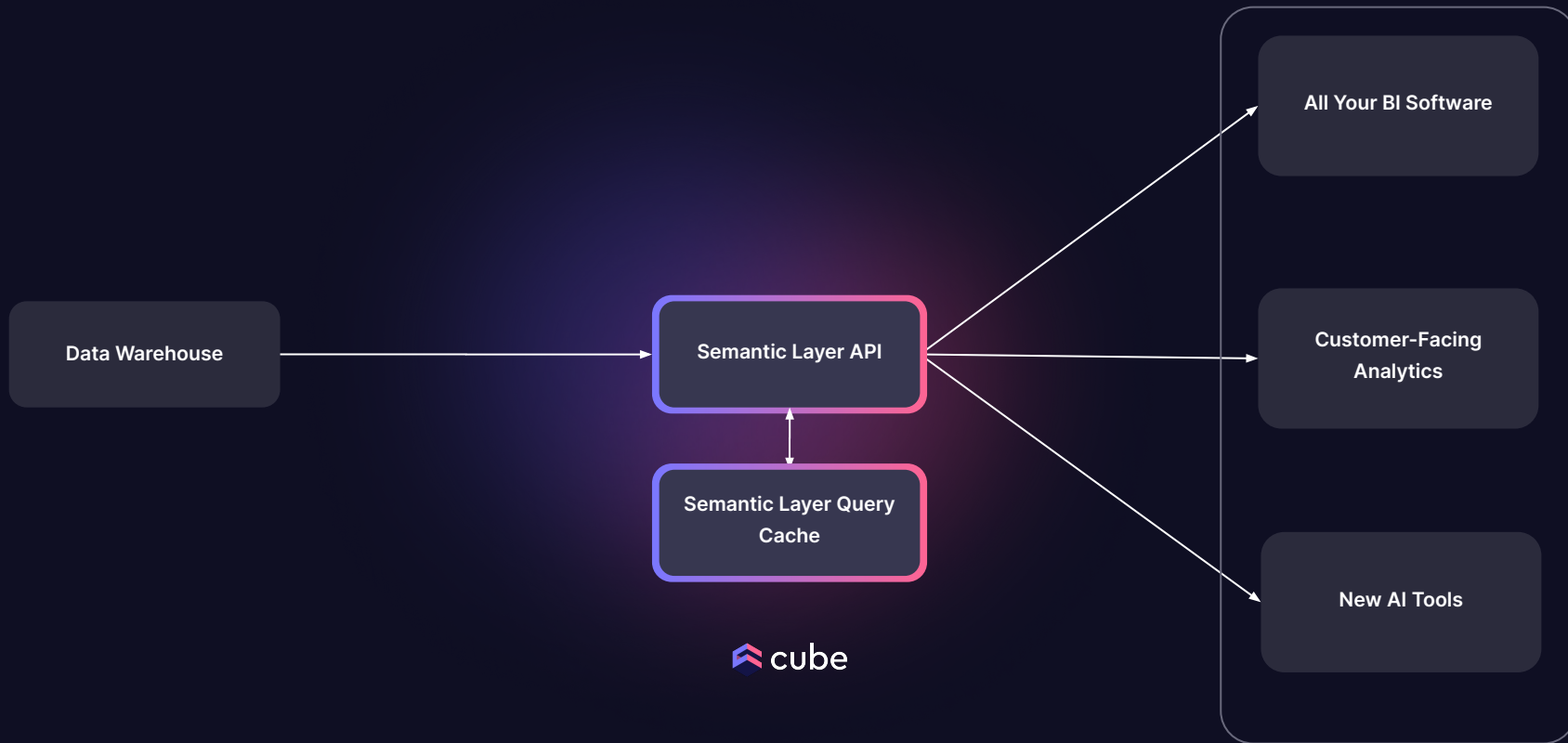


Caching, Pre-Aggregations and OLAP Cubes

How old data web apps were built?

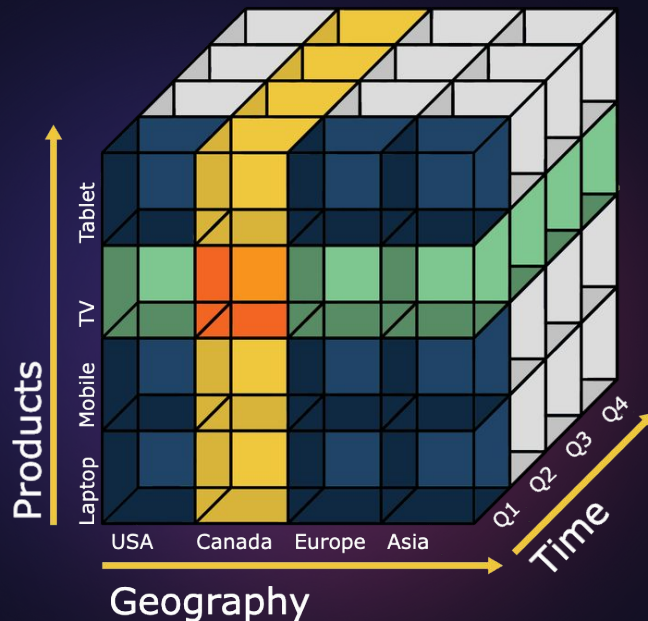


Semantic Layer Query Cache

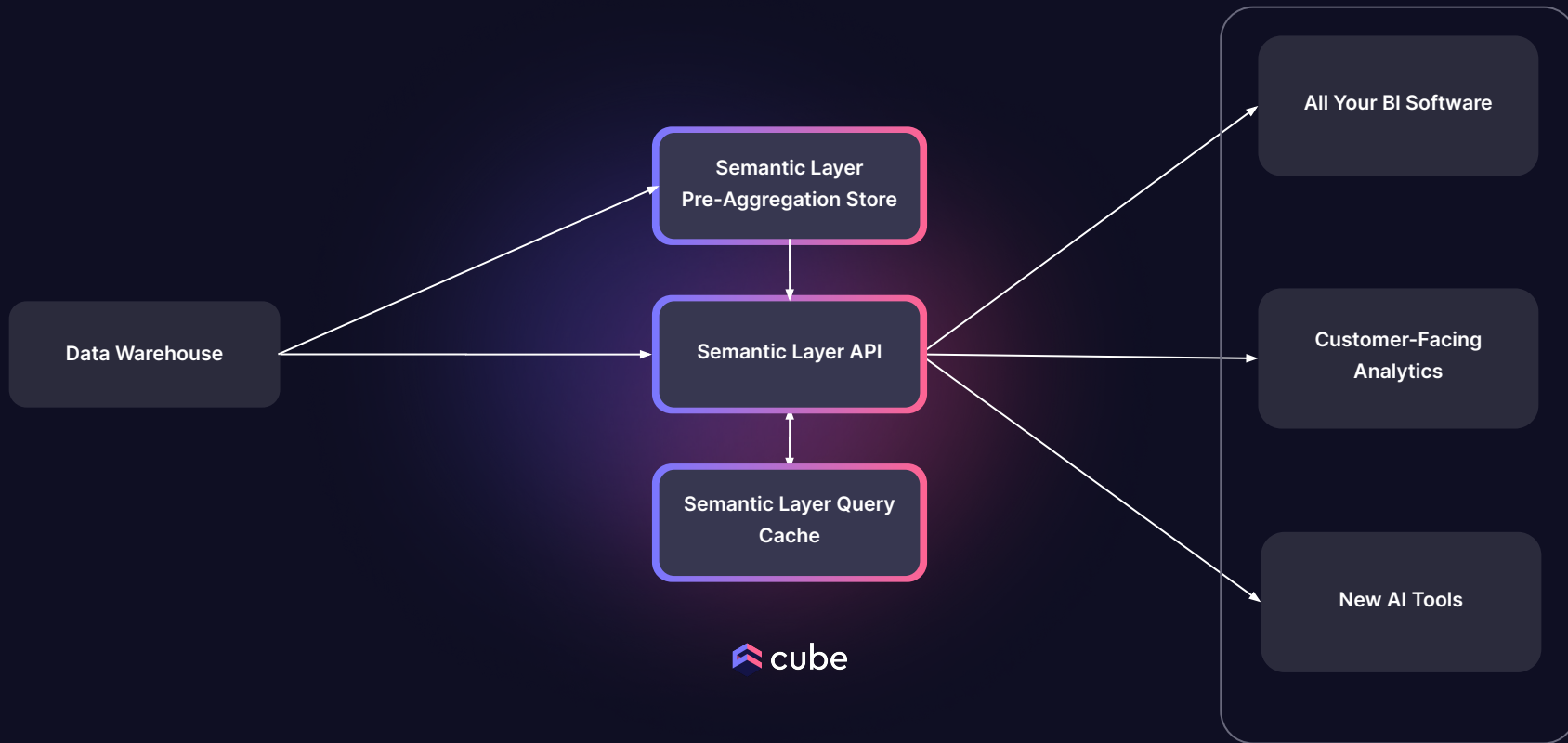


Pre-aggregation Store

- Also known as:
 - OLAP Cube
 - OLAP datastore/database
- Operations:
 - Slice and Dice
 - Drill Up and Down
 - Roll Up and Down



Semantic Layer Pre-Aggregation Store



Demo

We will show the following:

- Data Modeling with Cube.
- Cube in-memory caching.
- Pre-aggregation building.



