Atoti Hybrid Mode
with DirectQuery

A single platform to optimize the cost and speed of data analysis

- ✅ The best financial data analytics solution now optimized for historical and "long-tail" datasets

- ✅ Save time and gain better insight with a single, unified platform

- ✅ Combine the power of in-memory analytics with the cost-efficiency of cloud storage

- ✅ Migrate services to the Cloud one at a time

- ✅ Dramatically reduce the Total Cost of Ownership of your risk analytics stack

Breaking through the limitations of data analytics

A common saying in data analytics is that "you can go wide or you can go deep", but not both, or at least not without a very high investment in hardware and technology.

As a result, many analysts in finance have to switch constantly between two (or more) applications when performing in-depth analysis. They have one environment with the data from the last couple of days and they change to another to look at historical data, whether going back a month, three months, a year or even several years.

This is an issue for several reasons:

It's slow. Having to switch constantly between two or more environments with their own UI, logic and quirks taxes your focus. It also means that every employee has to be trained on all solutions to be efficient, which slows down onboarding.

It's costly. You need to license and maintain two or more analytics platforms. Working with several platforms means that you have to duplicate the same data again and again and pre-aggregate it to the right level. It's a lot of hardware mobilized to process what should be a single dataset.
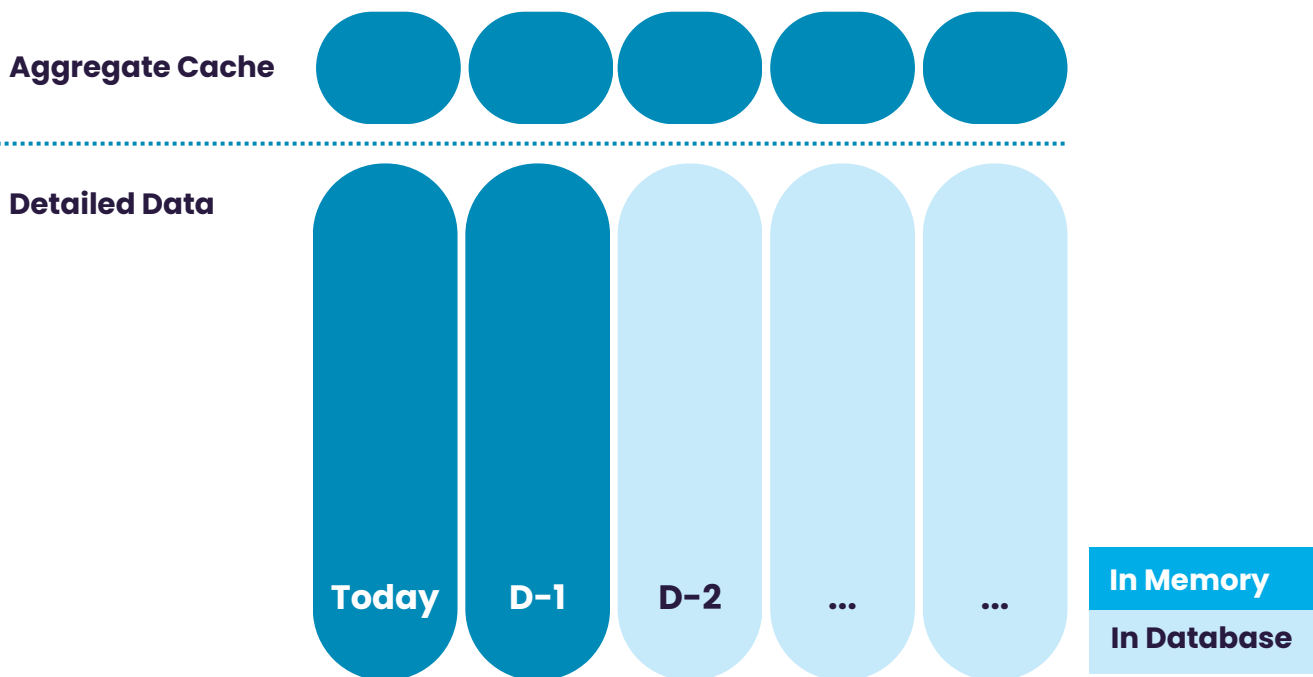
It's error-prone. Any time you work with more than one source of data, you raise the risk of running into data quality issues.

Atoti DirectQuery: the best of both worlds

Atoti already offers the best user experience for data analysis when users need to go deep. The DirectQuery feature builds upon this by enabling a "hybrid" mode that enables users to go deep AND wide at the same time, without having their IT costs pile up.

In short, Atoti DirectQuery enables Atoti users to directly explore data stored in the Cloud, or in any of the most popular databases (Snowflake, AWS, BigQuery, ClickHouse, Apache Spark and more).

Users can explore data loaded into Atoti inmemory storage and perform lightning-fast queries, as well as analyze data stored on any supported external database, all in the same environment. It works with every public and private cloud provider, with on-premise deployments, and even across multiple clouds and databases. The experience is completely seamless.

Aggregate Cache

Detailed Data

| Today | D-1 | D-2 | ... | ... |

In Memory

In Database

An optimized deployment of Atoti DirectQuery will load in-memory the most commonly accessed data as a fully-fledged analytics cube and leave trade-level historical data on a slightly slower but less expensive database, since it is less frequently used. For the end-users, the process is completely transparent.
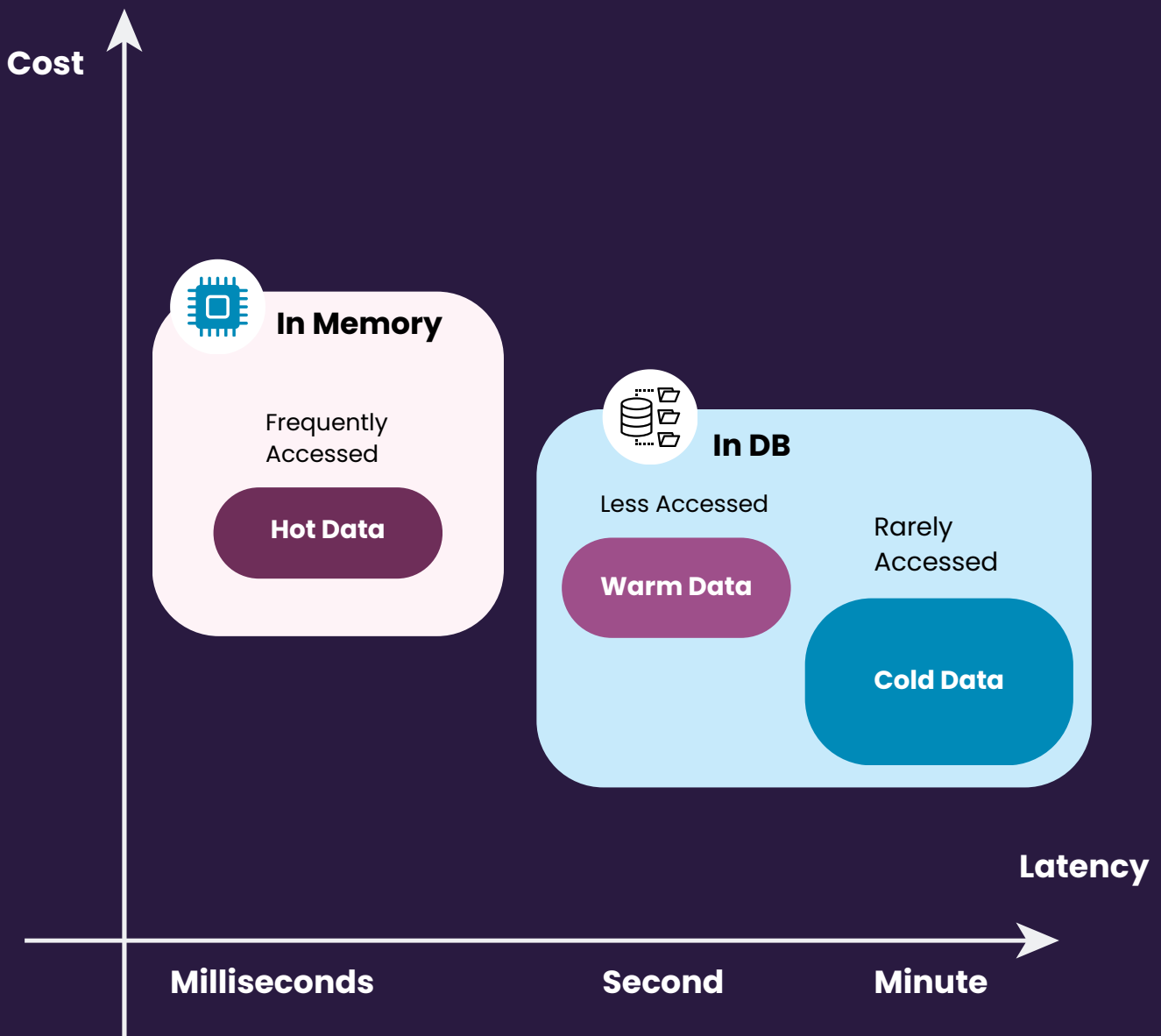
A true revolution in data analysis

Deploying Atoti DirectQuery for almost every risk analytics use case brings several major, unique benefits that no other solution on the market can offer.

- Risk managers take advantage of all the benefits of Atoti for fast and precise analysis. They can easily access any piece of data they need, work with the same platform throughout the day and spend less time chasing data quality issues. They can leverage advanced capabilities such as incremental updates and 'What-If' analysis.

- IT developers can apply Atoti best-in-class data modeling and user interface to much larger datasets at virtually no additional hardware costs.

- Business leaders can trust reports made from a single golden source of data. They can retire outdated technologies and accelerate the onboarding process for new hires.

Bringing costs under control

In addition to improving analytics, one of the major benefits of deploying Atoti DirectQuery is the impact on costs. It dramatically reduces the Total Cost of Ownership of your risk analytics architecture, through several means:

- By bringing several tasks onto a single platform, companies save on licensing, support and maintenance.

- IT developers can easily and precisely define which blocks of data to cache in memory and which to leave on disk, resulting in an architecture optimized for performance and cost.

- The data does not need to be duplicated nearly as much as in traditional architectures, leading to further savings.

The new transformation of risk analytics

With the addition of DirectQuery, Atoti edges closer to becoming the "Swiss Army knife" of financial services analytics: a semantic layer that can work with virtually any database underneath it and any BI tools overhead. It empowers end-users to be more selfreliant and offers best-in-class performance, capabilities and cost optimization in every configuration.

Atoti DirectQuery scales its hardware requirements precisely to match the business needs, whether you need straightforward dashboarding on static data or top-of-the-line real-time risk aggregation on fast-moving data streams. Atoti will not just transform the way you analyze data, it will transform the way you approach every financial services analytics need in the future.

NEW YORK

550 Seventh Avenue
19th Floor
New York, NY 10018
Tel: +1 646 688 4442

LONDON

6th floor, Shaftesbury House
151 Shaftesbury Avenue
London WC2H 8AL, UK
Tel: +44 20 7836 8820

PARIS

46 rue de l'Arbre Sec
75001 Paris
France
Tel: +33 1 40 13 91 00

FRANKFURT

Junghofstrasse 16
8th Floor
60311 Frankfurt, Germany

SINGAPORE

80 Amoy Street
#02—01
Singapore 069899
Tel: +65 6816 4988

SYDNEY

Level 11, 64 York St
Sydney NSW 2000
Australia
Tel:+61 400 043111

HONG KONG

21/F, On Hing Building
1 On Hing Terrace
Central, Hong Kong

About ActiveViam

Founded by industry experts, ActiveViam understands the data analytics challenges faced by financial institutions across trading desks, risk, and compliance. ActiveViam pioneered the use of high-performance analytics in finance, helping the largest investment banks, asset managers and hedge funds make better decisions, explain results with confidence, and simulate the impact of their decisions.

ActiveViam's mission is to deliver train-of-thought analysis on terabytes of data in the most cost-effective way so clients can explain their results with confidence and model the scenarios that will optimize their business. ActiveViam specializes in risk data analytics for one of the fastest-moving and most regulated industries with a presence in the world's leading financial marketplaces – London, New York, Singapore, Sydney, Hong Kong, Paris, and Frankfurt.

ActiveViam's purpose-built analytics technology has been recognized as "FRTB Product of the Year" by Risk.net and as the "Best Sell-Side Credit Risk Product" by Waters Technology.

For information please visit
activeviam.com