

HILBERT[®] NETWORK OVERVIEW

The Hilbert Network instantiates a networked, multi-computer, multi-database design. Each Hilbert Engine on a Hilbert Network can hold its own data and can reach and process data held by any other Hilbert Engine. There is no need for a dedicated server.

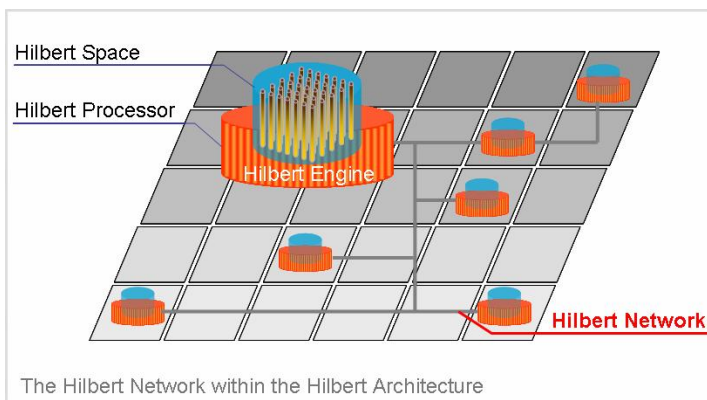
Role of the Hilbert Engine in a Hilbert Network

Each Hilbert Engine performs two functions. It serves data to the other connected Hilbert Engines and it performs its own Hilbert based analyses. Each Hilbert Engine holds the optimum quantity of global data so that it can efficiently perform both functions concurrently. Some Hilbert Engines will be asked to carry heavy

processing loads.

These will contain relatively less global data. Data are continually moved so as to be as close (closeness defined by transmission time) as possible to the Hilbert Engines that most often use them. Other Hilbert

Engines will only be needed for occasional analyses. These will contain relatively more global data. This entire load balancing act is handled by the Hilbert Network as a whole, without any need for centralized support; which is to say, all Hilbert Engines are identical.



Hilbert Virtual Space

The data held by all of the Hilbert Engines on a network become a single family of data or a complete virtual representation of all data. We refer to this collection of data as Hilbert Virtual Space rather than a Database because the word Database is encumbered with unfortunate connotations associated with conventional information technologies.

The Hilbert Network is perfectly suited for dealing with massively distributed data families and data archives as well. It distributes work where computing resources are available.

Why Hilbert?

We are the only solution provider for ultra high-speed access, manipulation, storage and analysis of large volumes of structured and unstructured data.

Speed, Flexibility and Scalability have been the design criteria of the Hilbert solution.

The Hilbert solutions are offered as embedded Hilbert Engine technology, standard products or industry specific solutions.

Bjorn Gruenwald, CEO and Founder of Hilbert Technology Inc.

A Hilbert Server running on an off-the-shelf PC achieves performance levels comparable to those of large mini-computers or even mainframes.

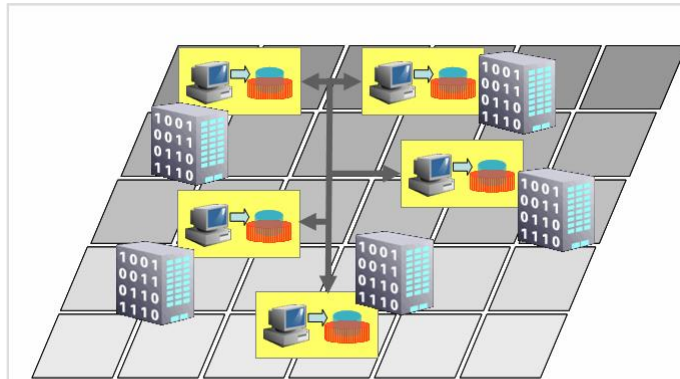
Low cost of ownership

Access and analysis of the data as a whole is quickly available to all workstations

Ability to analyze data in ways not even thinkable before the Hilbert Network

Distributed Data in Hilbert Network

Additionally, the Hilbert network provides a means by which massively distributed data families can be linked directly to centrally-kept conventional data systems. The core technology doesn't replace existing database technologies but serves as a means of enhancing the power of existing technologies by reducing overhead, and providing an excellent means of data backup, real-time queries, additional intelligence and enhanced data connectivity.



Distributed Data supported by the Hilbert® Network

Support of multi-data store processing environments, data can be viewed as an integrated whole

Data consolidation capability without no interruption to operational databases

Lower cost support personnel – no need for extra-expensive DBAs

No extra cost of a centralized processing environment

Conclusion

The Hilbert Network seamlessly connects different Hilbert Engines and Hilbert Spaces. Through work load optimization it allows unparalleled analytics power. The serverless infrastructure allows the distributed data to be seen as one Hilbert Virtual Space.

Your Advantages

- n A Hilbert Server running on an off-the-shelf PC achieves performance levels comparable to those of large mini-computers or even mainframes.
 - § Low cost of ownership
- n Access and analysis of the data as a whole is quickly available to all workstations
 - § Ability to analyze data in ways not even thinkable before the Hilbert Network
- n Support of multi-data store processing environments, data can be viewed as an integrated whole
 - § Data consolidation capability without no interruption to operational databases
 - § Lower cost support personnel – no need for extra-expensive DBAs
 - § No extra cost of a centralized processing environment

About Hilbert

Pennsylvania based Hilbert Technology Inc. is an international provider of business intelligence (BI) solutions for large and medium size enterprises worldwide. The offering is based on the revolutionary, patented Hilbert Engine technology for the ultra high-speed access, manipulation, storage and analysis of large volumes of structured and unstructured data. The Hilbert solutions are offered as embedded Hilbert Engine technology, standard products or industry specific solutions. Organizations in public services, law, government, finance, communications, whole- and retail sales, transportation & tourism and chemical & pharmaceutical can employ Hilbert solutions to gain unparalleled speed in access and analysis over large data volumes.

Notes

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