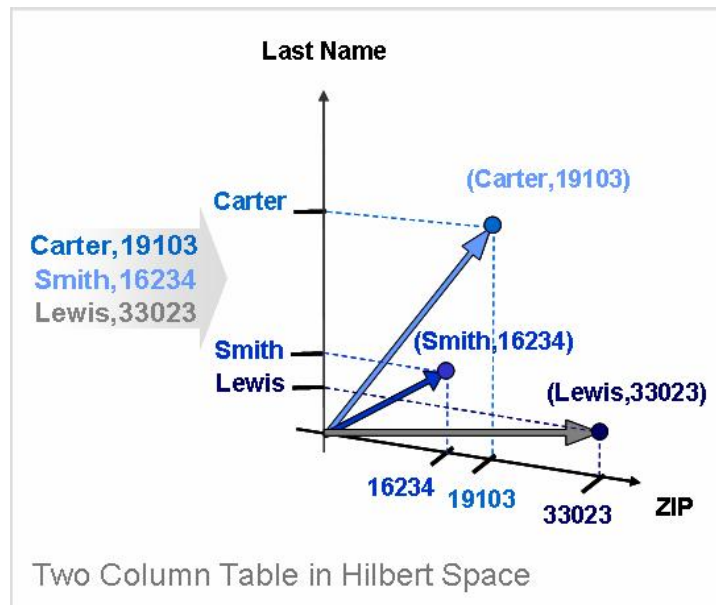


HILBERT[®] LOAD & UPDATE OVERVIEW

The Load and Update of quantized data in Hilbert Space is a high performance process which enables real-time business intelligence. The Hilbert Machine manages this process and can be triggered to do updates with or without history tracking.

Load

After Quantification and sorting the single-number files are fully loaded into the Hilbert Space. Because all text and numerical data are now Base-40 numbers, we can apply multi-dimensional mathematical algorithms to the data. A table with two columns, i.e. FAMILY NAME and ZIP translates into a data point in a two dimensional space. Adding a third column for FIRST NAME, we have a data point in a three dimensional space. A table with 10 columns would translate into a multidimensional data point in a ten dimensional space. While human beings have difficulty imagining a ten dimensional space, a computer simply uses mathematical principles and formulas.



Add, Change, Delete

- n **Adding a new field to a record** of the database table translates into adding new dimension to the data point in Hilbert Space
- n **Adding a new record** to a database table translates into adding a new data point to the Hilbert Space
- n **Changing a record** in a database table translates into changing the data point coordinates in the Hilbert Space. If a history of changes is needed, the old data point will remain and a new data point with the changed data will be added.
- n **Deleting a record** in a database table translates into deleting a data point from the Hilbert Space.

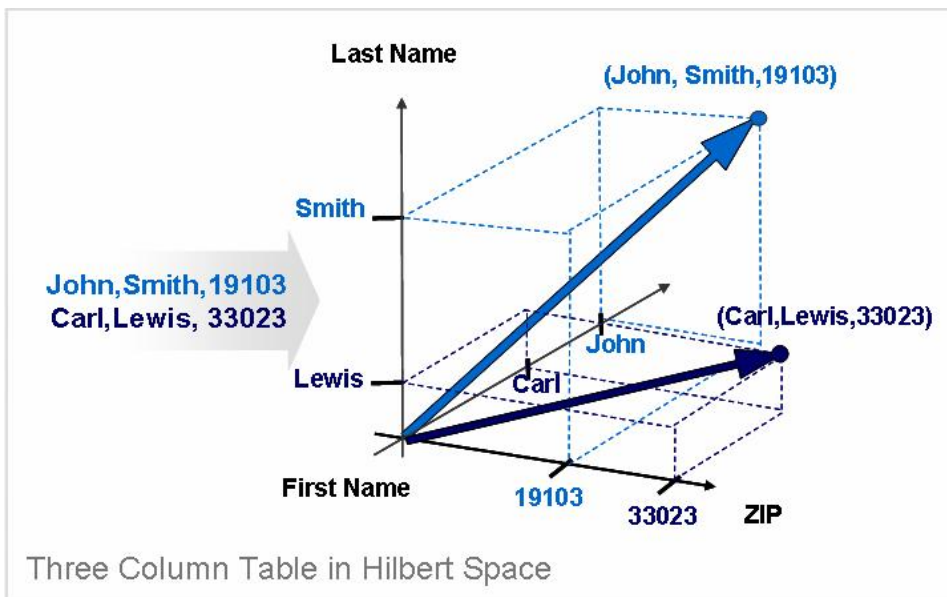
Why Hilbert?

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.



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.

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