

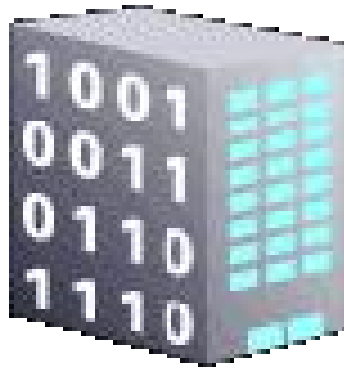


A Different Approach

Add, Change, Delete

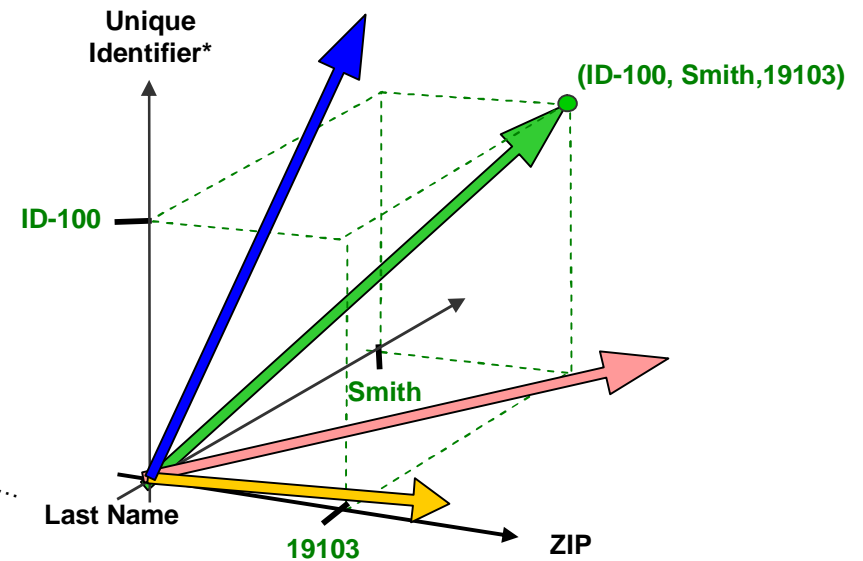
A Different Approach

High-Speed Data Update – New Record



ID-100, Smith, 19103
... | ID-101, Hewitt, 13214 | ID-104, Classen, 23123 | ID-097, Abrahamson, 76124 | ...

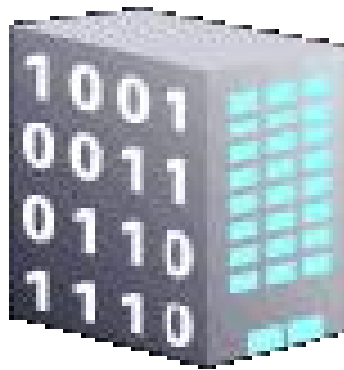
- § Adding new records = adding new vectors
- § Adding can be done in bulk or as a stream (Format suggested is XML)
- § The identifier can be a unique database pointer or other unique identifier



* Could be the unique identifier from a source database

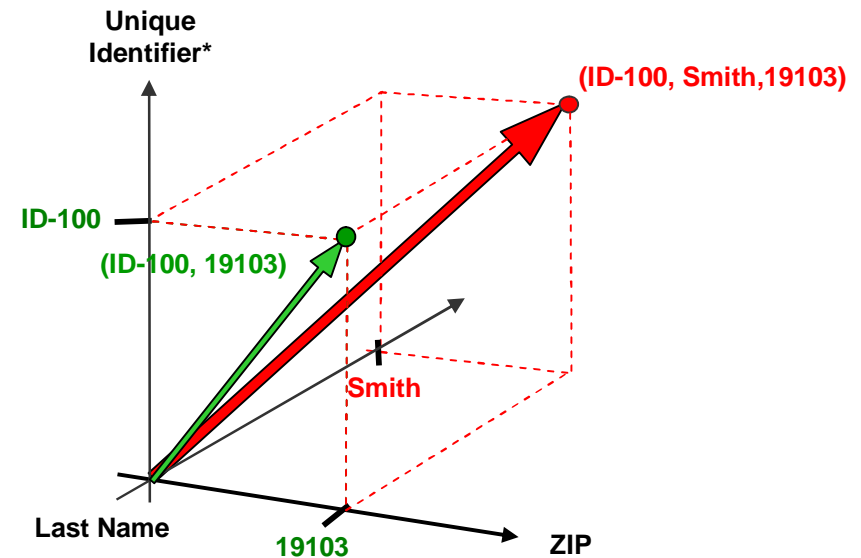
A Different Approach

High-Speed Data Update – New Field in the Record



ID-100, 19103
ID-100, Smith, 19103

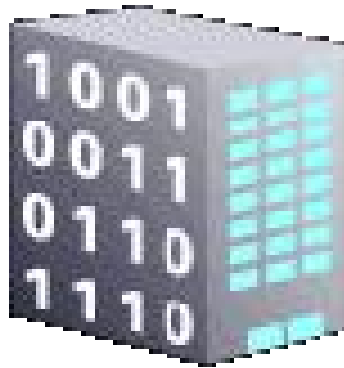
- § Adding a new field in the records = adding new dimension
- § Adding a new dimension can be done manually (change the Hilbert Space description & matching – current solution = 5 min. work) or through automatic expansion (planned)



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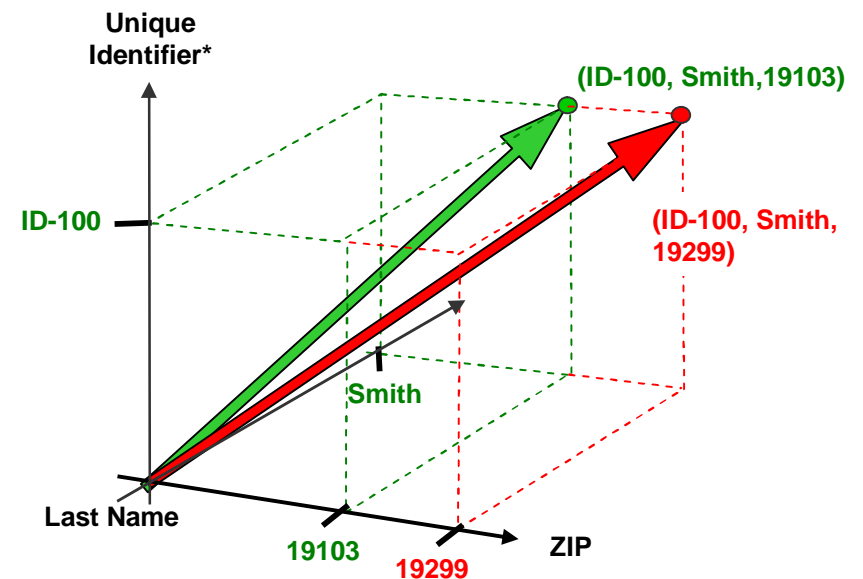
A Different Approach

High-Speed Data – Update Record & Retain History



ID-100, Smith, 19103
ID-100, Smith, 19299
... | ID-101, Hewitt, 13214 | ID-104, Classen, 23123 | ID-097, Abrahamson, 76124 | ...

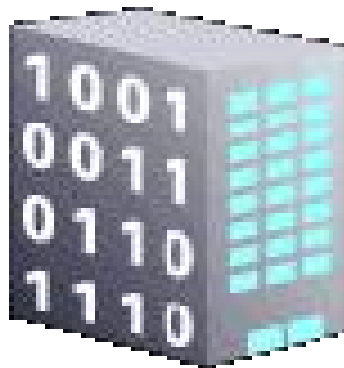
- § Old Vector remains (history record)
- § Updates can be done in bulks or as a stream (XML Format referenced)
- § Real-Time Analytics enabled



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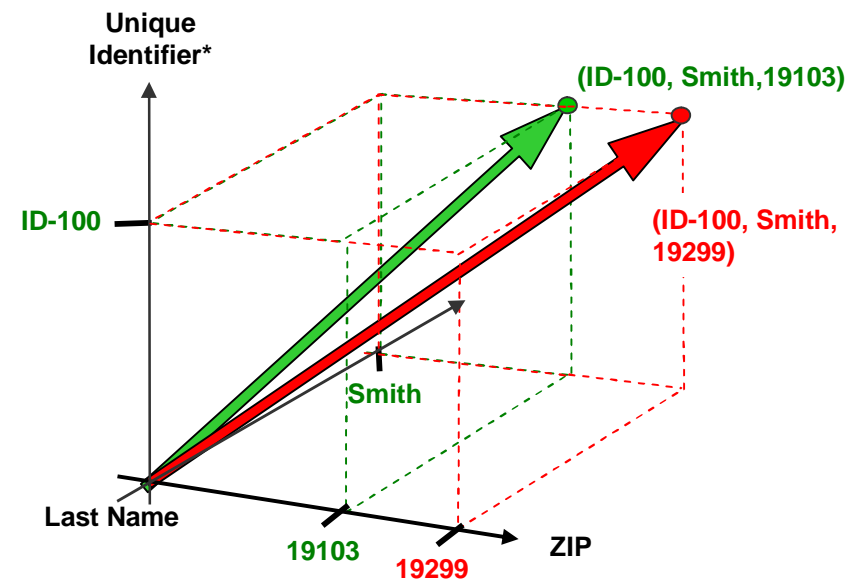
A Different Approach

High-Speed Data – Update & Overwrite Record



ID-100, Smith, 19103
ID-100, Smith, 19299
... | ID-101, Hewitt, 13214 | ID-104, Classen, 23123 | ID-097, Abrahamson, 76124 | ...

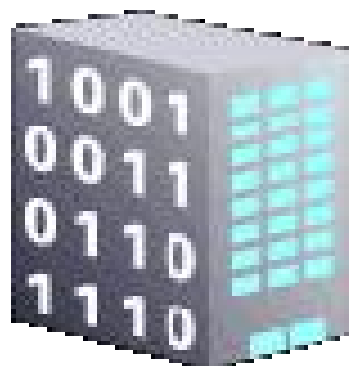
- § Old Vector “replaced” by new vector
- § Updates can be done in bulks or as a stream (XML Format referenced)
- § Real-Time Analytics enabled



* Could be the unique identifier from a source database

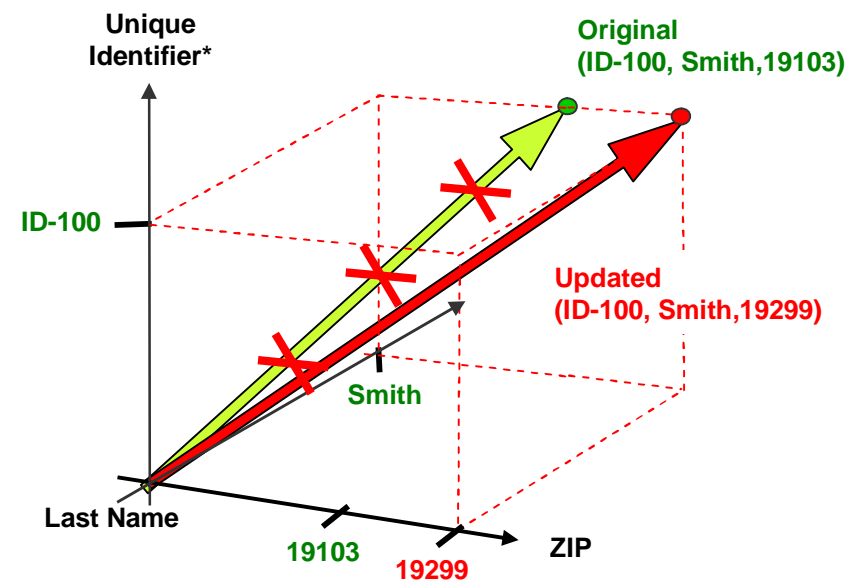
A Different Approach

High-Speed Data – Update & Overwrite Record



- § Old Vector “replaced” by new vector
- § Updates can be done in bulks or as a stream (XML Format referenced)
- § Real-Time Analytics enabled

ID-100,Smith, 19103
 ID-100,Smith, 19299
 ... | ID-101,Hewitt,13214 | ID-104,Classen, 23123 | ID-097,Abrahamson, 76124 |...



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A Different Approach

Add, Change, Delete