

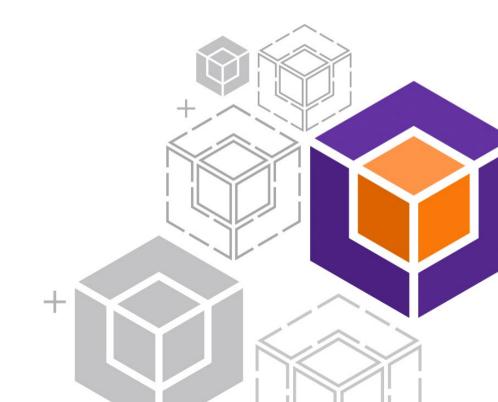


SQL Access to VistA

K.S. Bhaskar



Overview



YottaDB® - https://yottadb.com



- A mature, high performance, hierarchical key-value NoSQL database whose code base scales up to mission-critical applications like large real-time corebanking and electronic health records, and also scales down to run on platforms like the Raspberry Pi Zero, as well as everything in-between.
- Rock Solid. Lightning Fast. Secure. Pick any three.

YottaDB is a registered trademark of YottaDB LLC



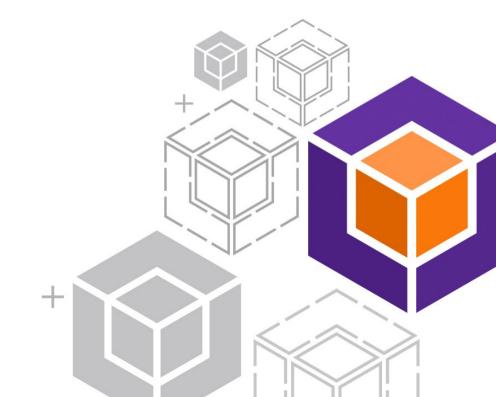


- Octo is a SQL database engine that whose tables are stored in global variables
- Octo is a YottaDB application, not a GT.M application
 - Requires ydb* environment variables
 - Runs on SI replication instance from GT.M or YottaDB

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Demo Part 1 of 2



SQL Access? Why?



- VistA is a great healthcare information system
- Fileman has capable and efficient reporting tools
- But...

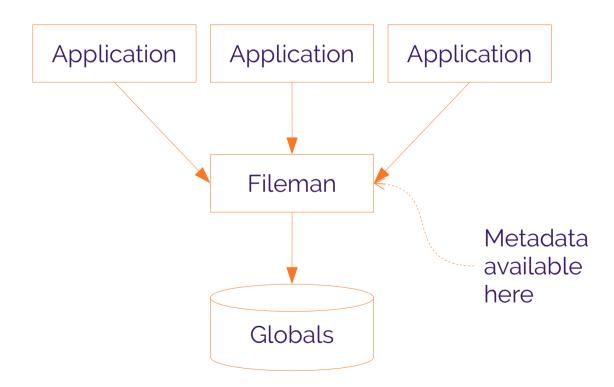
SQL Access? Why?



- VistA is a great healthcare information system
- Fileman has capable and efficient reporting tools
- But...
 - Knowledge of Fileman and roll/scroll interface
 - Business analysts know SQL and expect GUIs
 - Wealth of existing tools, many FOSS e.g., see
 https://opensource.com/business/16/6/top-business-intelligence-reporting-tools

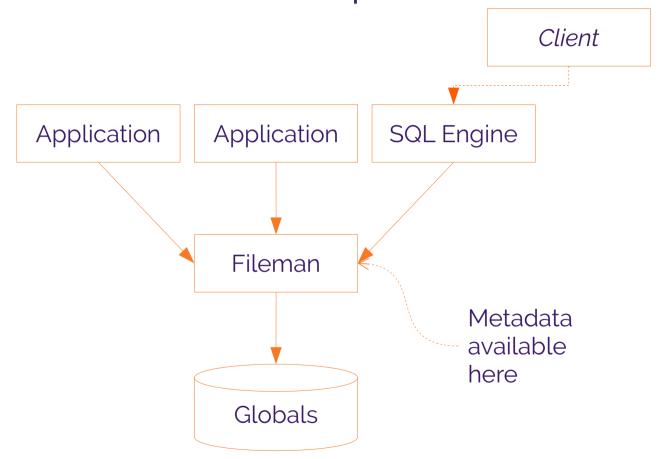
VistA Layers (Simplified)





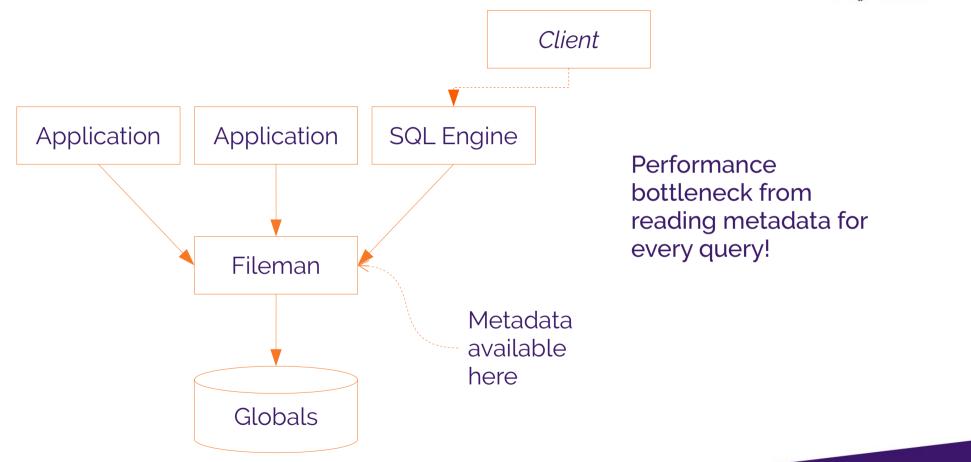
SQL Access (Conceptual)





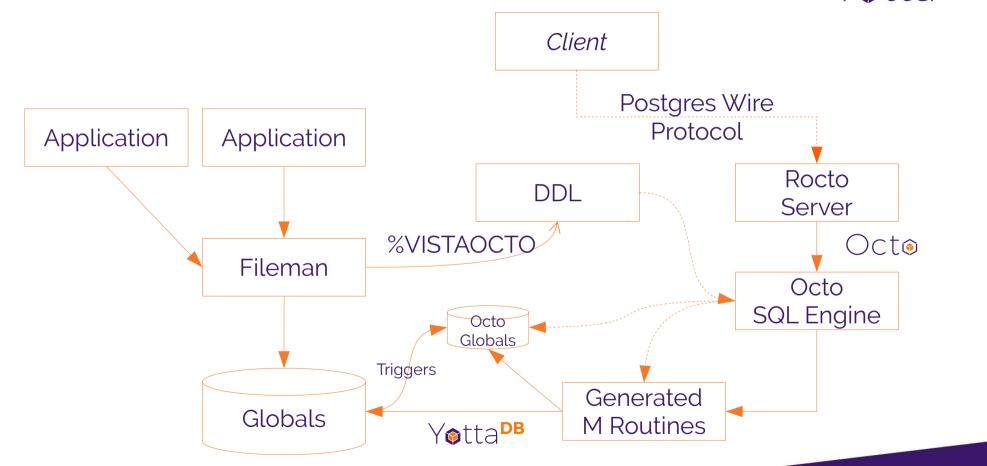
SQL Access (Limitation)





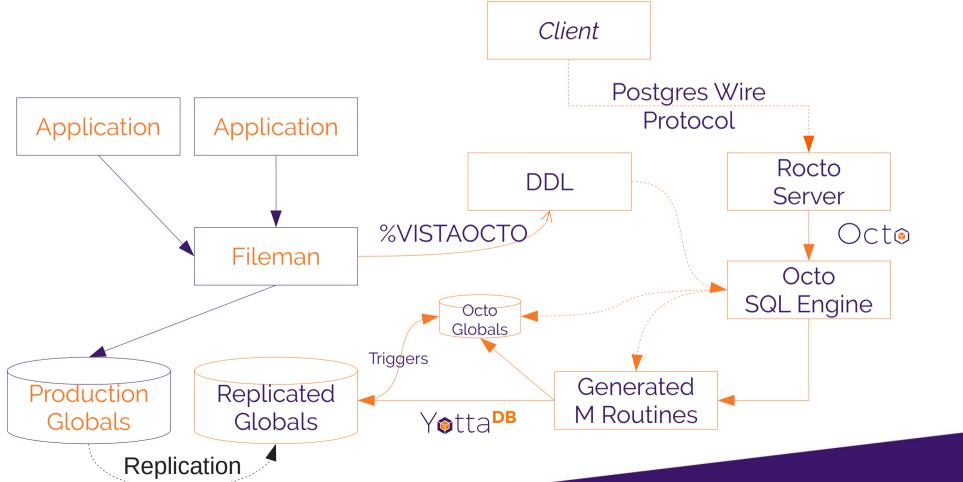
Octo Architecture





Octo Production Configuration







Demo Part 2 of 2



Octo Status & Road Map



- https://gitlab.com/YottaDB/DBMS/YDBOcto
- Initial production release Any Day Now™
 - VistA Fileman to DDL mapping tool
 - Read-only access (SQL-92 plus required extensions)
 - PostgreSQL compatible JDBC client support
- To follow: read-write access, other RDMS compatiblity





Thank You!

K.S. Bhaskar bhaskar@yottadb.com

yottadb.com