

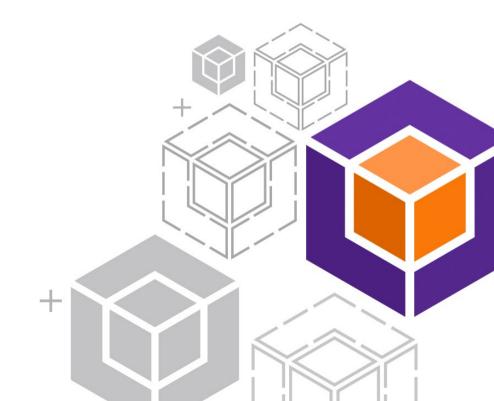


SQL Access to VistA

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Overview



YottaDB® – https://yottadb.com



- A mature, high performance, hierarchical key-value, language-agnostic NoSQL database whose code base scales up to mission-critical applications like large real-time core-banking 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.



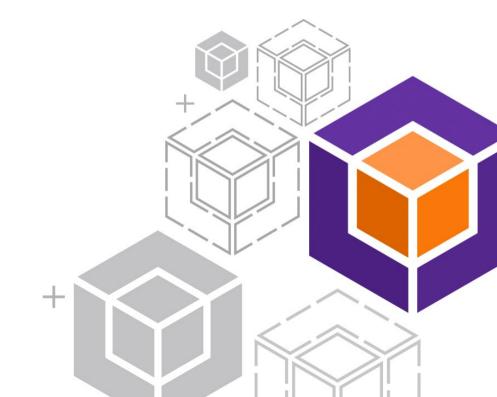


- Octo is a SQL database engine that whose tables are stored in global variables
- Octo is a YottaDB application, not a GT.M application
 - Requires functionality in YottaDB and not available in GT.M
 - Runs on SI replication instance from GT.M or YottaDB

Octo is a registered trademark of YottaDB LLC



Demo Part 1 of 2



SQL Access? Why?



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

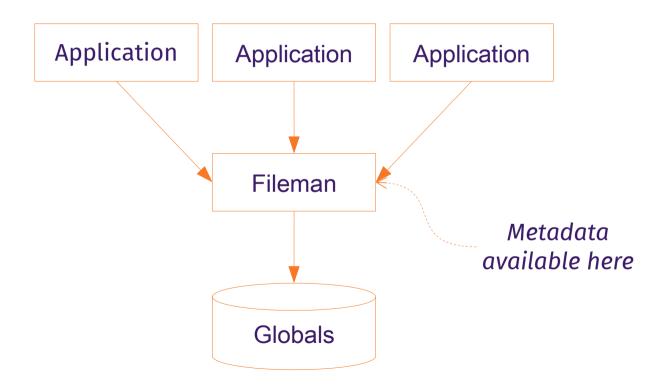
SQL Access? Why?

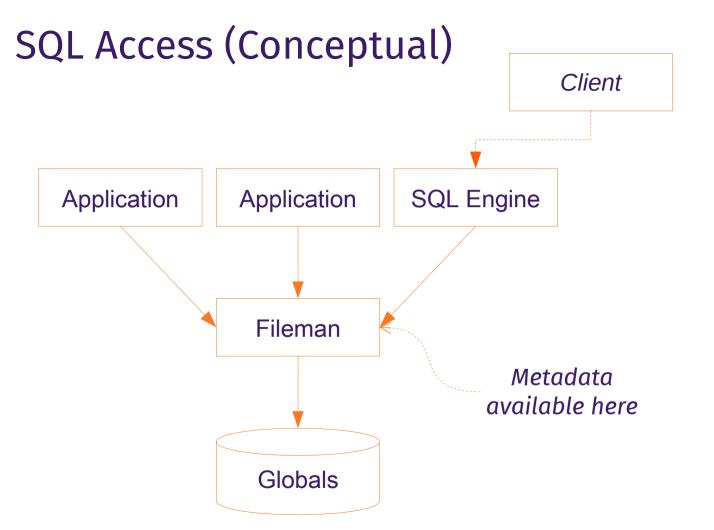


- VistA is a great healthcare information system
- Fileman has capable and efficient reporting tools
- But...
 - Knowledge of Fileman and roll/scroll interface
 - Business analysts know SQL and expect GUIs
 - Wealth of existing tools, many FOSS e.g., see
 https://opensource.com/business/16/6/top-business-intelligence-reporting-tools

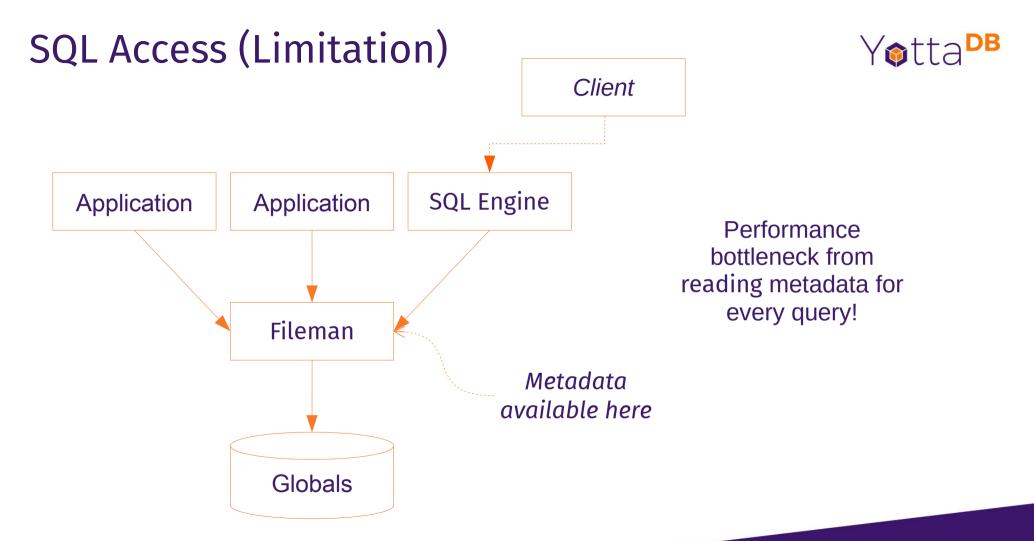
VistA Layers Simplified





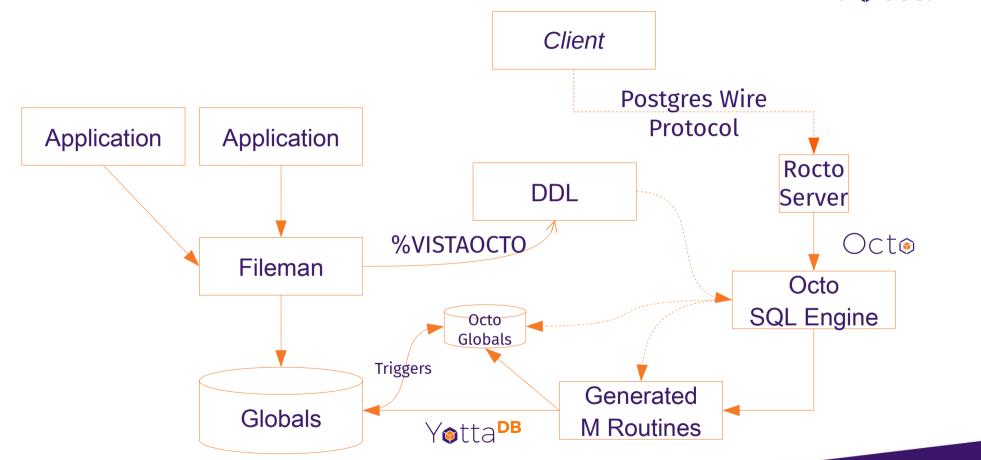






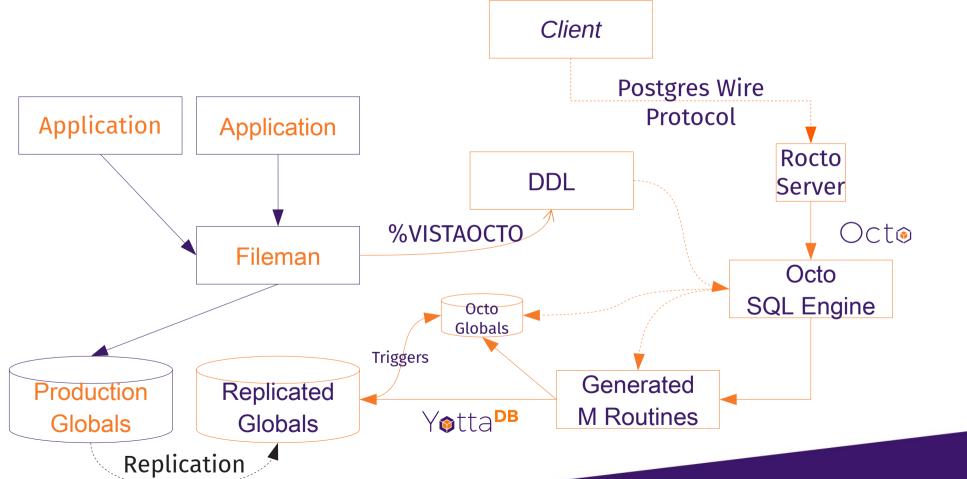
Octo Architecture





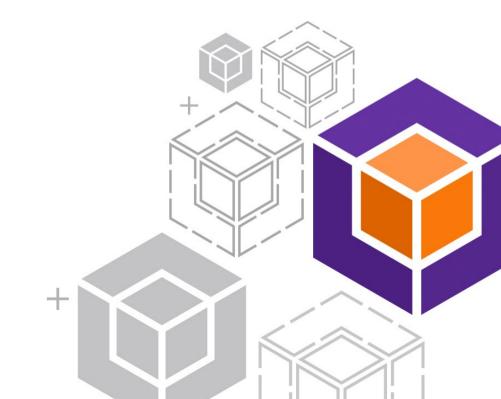
Octo Production Configuration







Demo Part 2 of 2



Octo Status & Road Map



- https://gitlab.com/YottaDB/DBMS/YDBOcto
- Initial production release on September 2020
- Continuously released
 - Every commit gets extensive regression testing using the Continuous Integration pipelines
 - You can drop in a new version anytime

Octo Recently Implemented Functionality



- INSERT INTO, DELETE FROM, UPDATE implemented
- · CREATE TABLE much more flexible on specifying globals or omitting them
- IF EXISTS/IF NOT EXISTS implemented on various CREATE/DROP grammer
- ydbinstall.sh now can install Octo
- Octo readline history support
- Excel support
- Lots of bug fixes and making Octo easier to use

Future Plans



- Full read/write support
- Compatibility with PostgreSQL and MariaDB grammar

Try for yourself (port 1338)



```
docker run -d -p 2222:22 -p 8001:8001 -p 9430:9430 -p 1338:1338 -p 8089:8089 -name=vehu samindcon/vehu
```





Thank You!

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