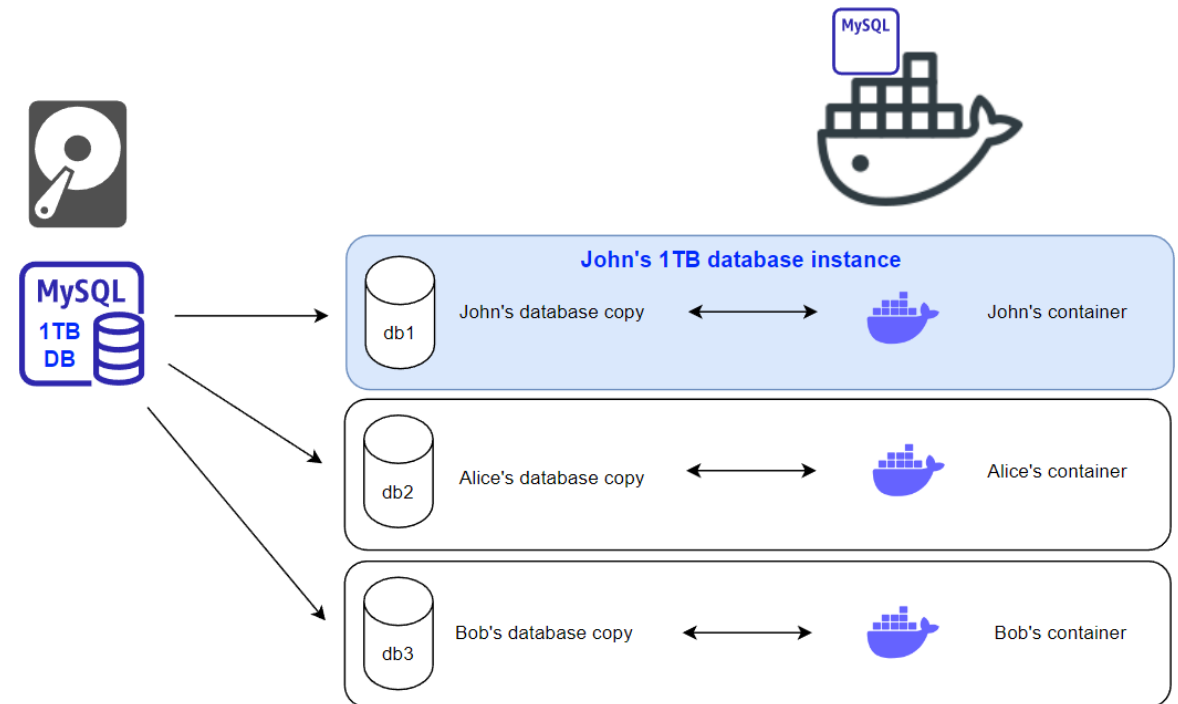# USING DOCKER & ZFS
TO SPEED UP DEVELOPMENT TIME

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About

- Combining a file system ZFS with Docker
- Git-like versioning system for large files (database)
- Fast database instantiation with Docker
- Fast database file instantiation with ZFS

- Let developers create databases with custom data, fast
- ZFS keeps data duplication efficient
- This leads to fast test execution

Contents

- Short into to Docker

- ZFS

- Combining ZFS and Docker
  - Use case for databases
  - Use case in testing phase of development

- Research
  - Performance evaluation
  - Time & space saved compared to traditional database copying

So far...

- Data collected about usage at my workplace

- Selected some research papers

- Troubles:
  - Testing other "applications" that provide similar solutions
  - Missing research papers

THANK YOU
FOR YOUR ATTENTION