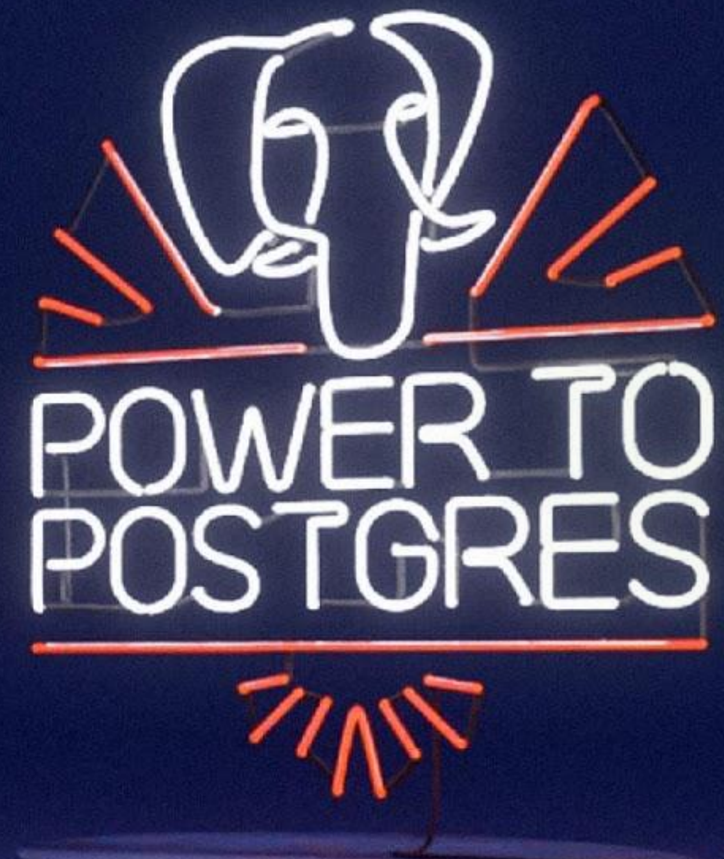
Why I Picked Postgres Over Oracle

Jan Karremans



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Mostly harmless

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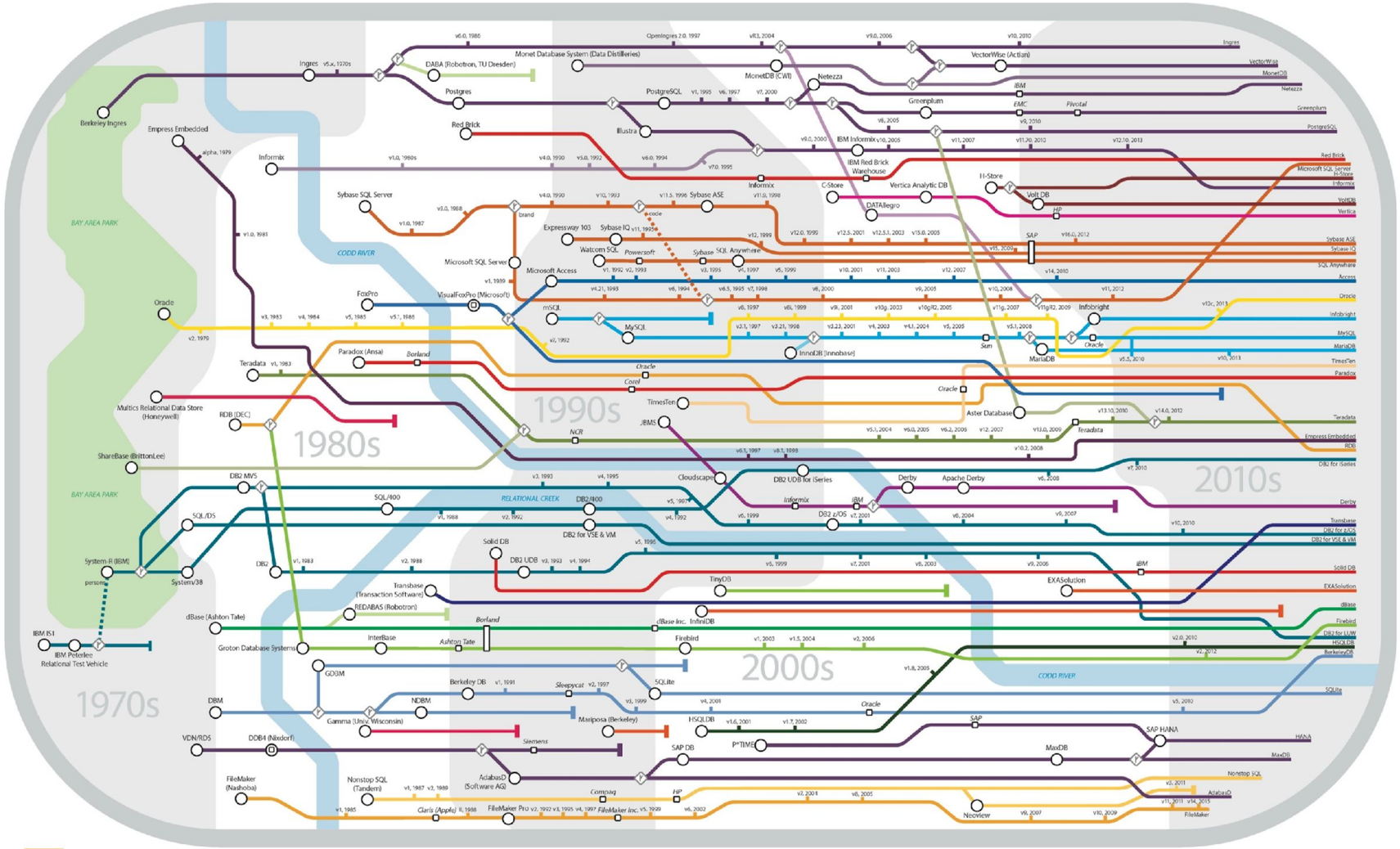
EDB
Mostly harmless

Genealogy of Relational Database Management Systems



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I AM NOT SAYING

INTRODUCTION - SIDE STEP

- I am not saying you **must**

  That would be childish

- I am saying you **could**

  Because I firmly believe in the opportunity

- Mostly I am meaning I think you **should**

  As it appears unstoppable

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Why

WHY

- This presentation
- Open source
- Change glasses

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This Presentation

- It’s a journey
- To boldly go
- Why not?

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Open Source

- 2nd Wave
- Traditional business model
- Passion

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CLOSE VERSUS OPEN

WHY - OFF TOPIC

- **Develop solutions to sell**
- Primary goal is to do business
- **Develop solutions to solve a problem**
- Primary goal is to solve a problem

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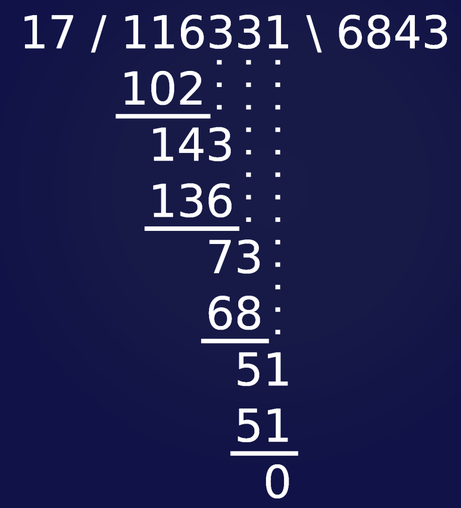
CLOSE VERSUS OPEN

WHY - OFF TOPIC

- Open software shows the math, not just the answer
- Not reverse engineering, just a good read
- Allows for tailoring of solutions



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CHANGE GLASSES

WHY - OFF TOPIC

- The same, yet different
- (Re) focus on the core
- Challenges change

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Jan Karremans

- IT since 1991
- Oracle v6 / Postgres v9.6
- 101 roles
- Supporter of #DBADev & #SmartDB

ORACLE ACE Alumni

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My History & Databases

- Operator
- Administrator
- Consultant
- Manager
- Director
- Sales
- Pre-sales

ORACLE ACE Alumni

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My History & Databases

- Datapoint RMS 1991
- Oracle on VAX/VMS 1993
- Oracle on HP-UX 1997
- Oracle on Linux 2010
- Postgres on Linux 2016

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COMMUNITY CENTRIC

- Late to the game
- Sharing is multiplying
- Different vibes

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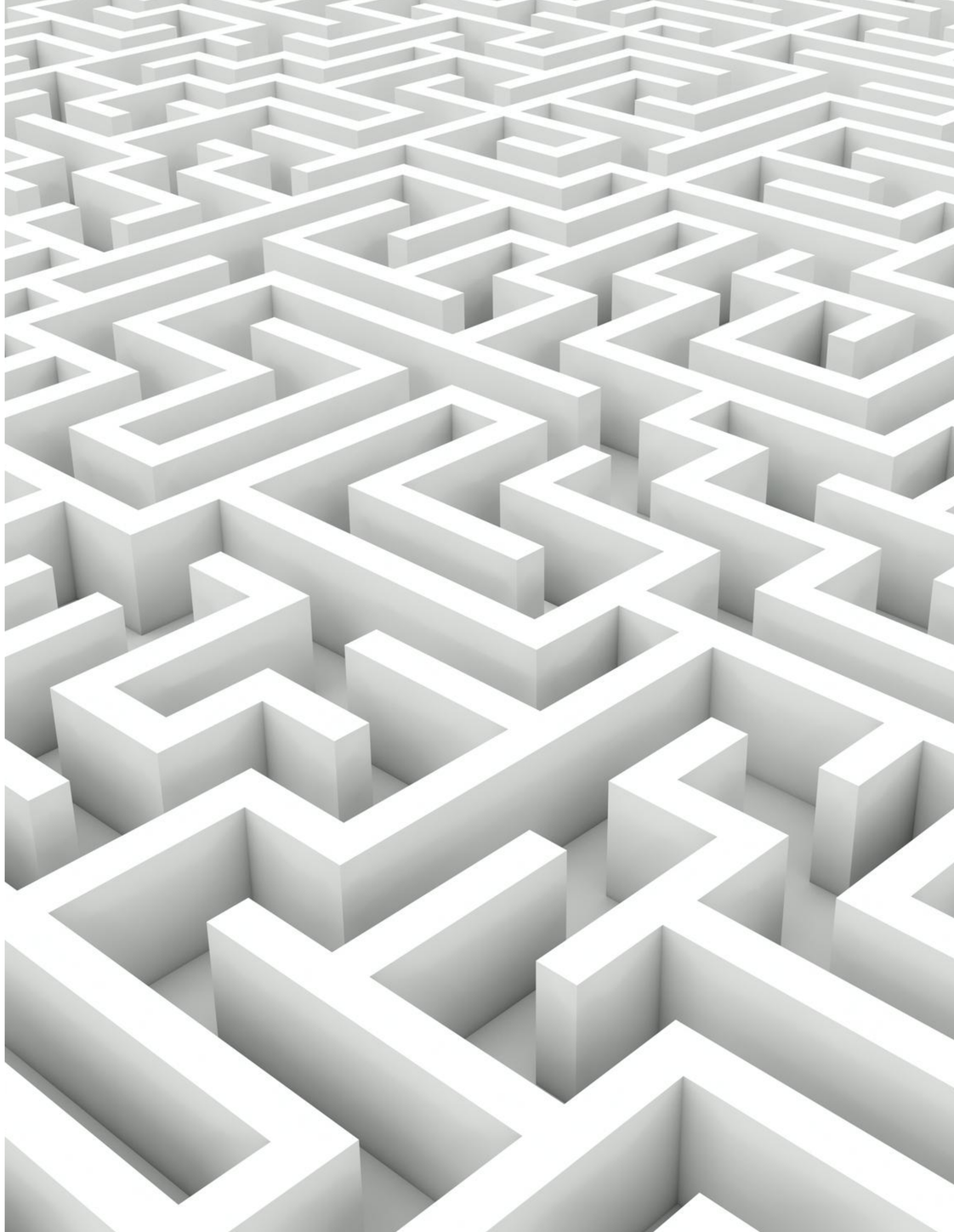
Picked

Traditionally

- Just an easy pick
- Economy
- The obvious



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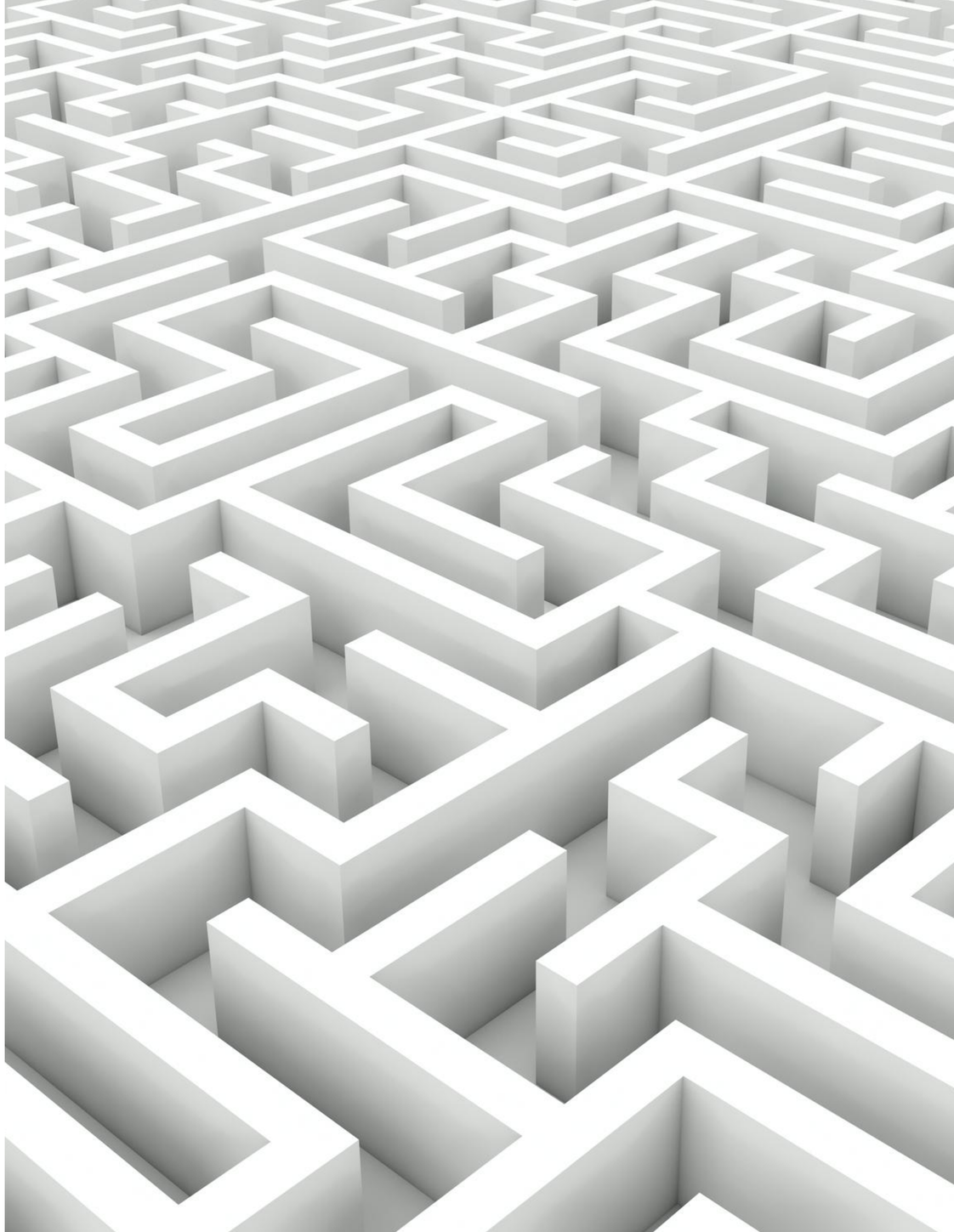
Doing Nothing

- Don’t fix it…
- IT is cool
- Core infrastructure
- Mortgage



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Core Infrastructure

PICKED - OFF TOPIC

- **High availability**

  RAC or ADG vs. streaming replication, load balancing and BDR

- **Disaster recovery**

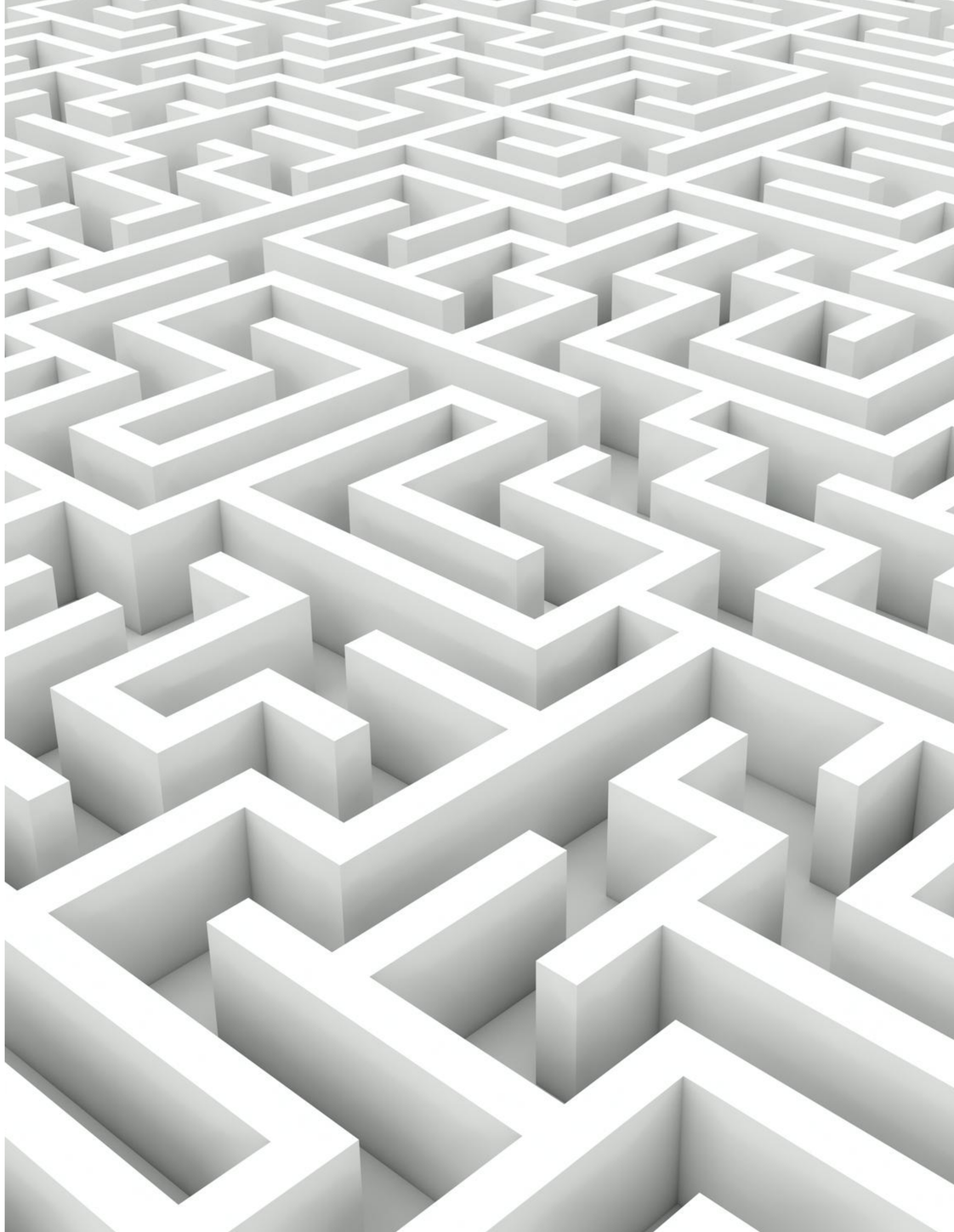
  RMAN vs. Barman or pgBackRest

- **Integration**

  Golden Gate vs. logical replication or FDW

Changing Business

- Agility
- Cost
- Development
- Deployment



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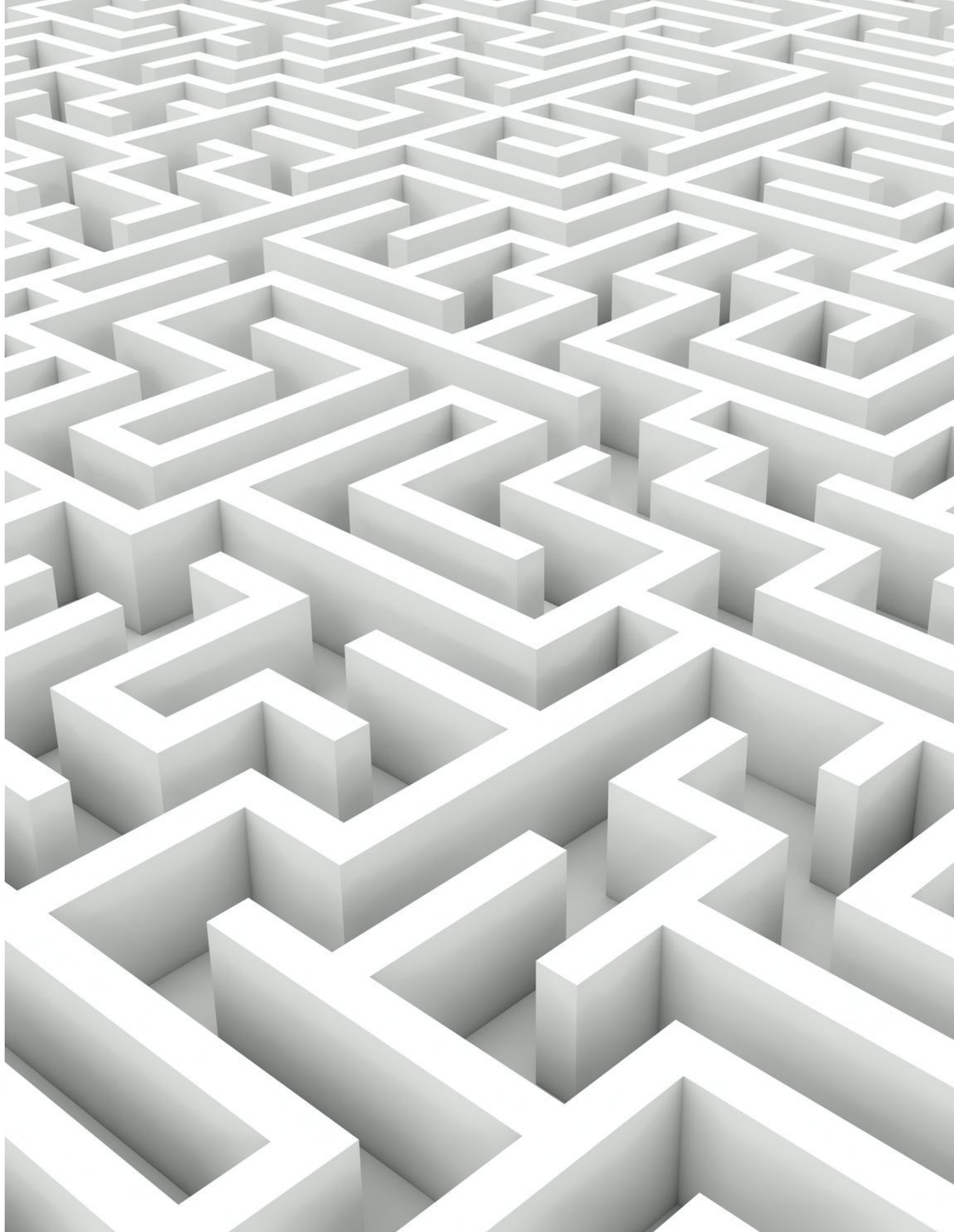
Changing Business

- DevOps
- Consolidation
- Containerisation and CNP
- This is “my computer”



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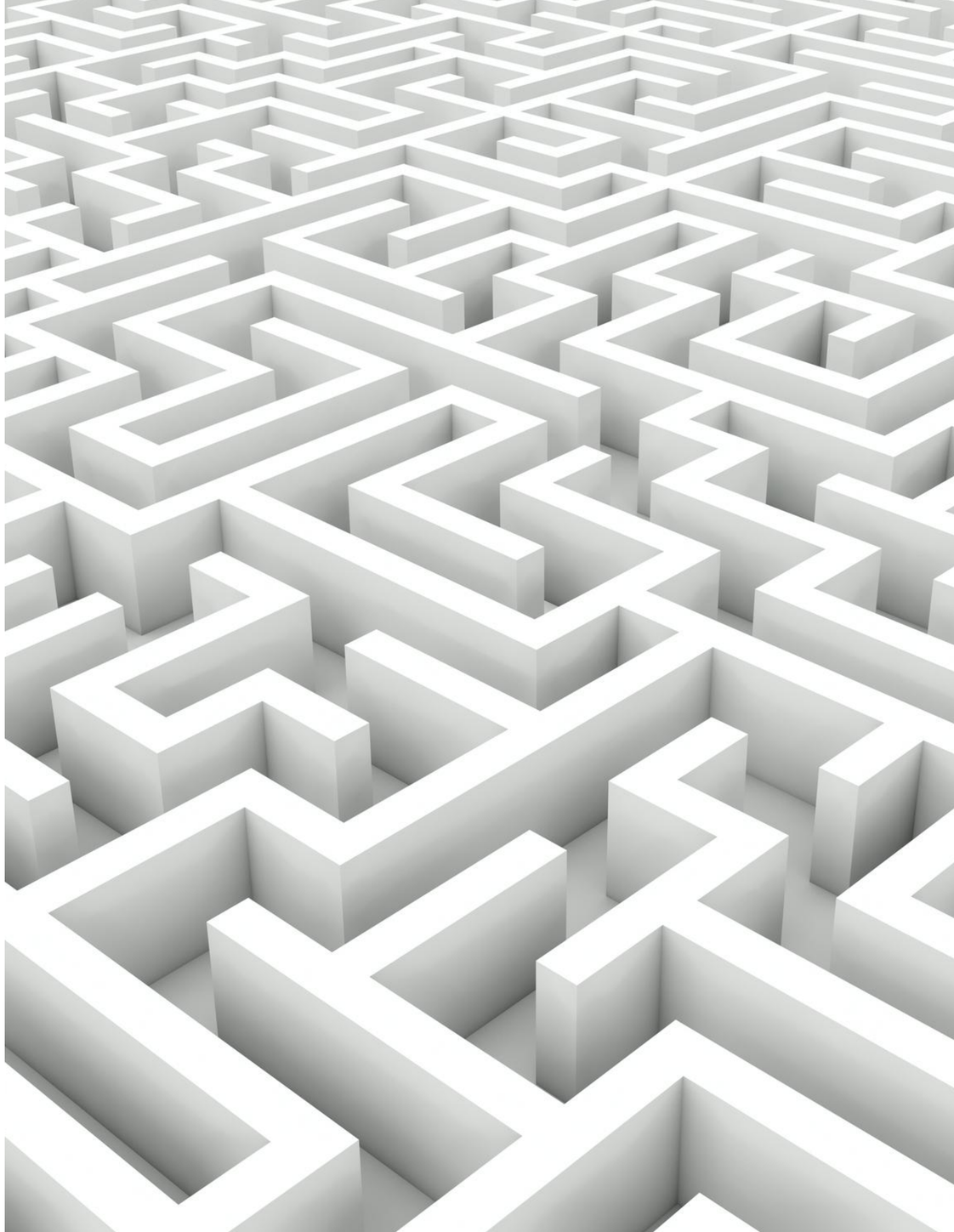
Changing Business

- Confusion
- Competition

  - Inside

  - Outside



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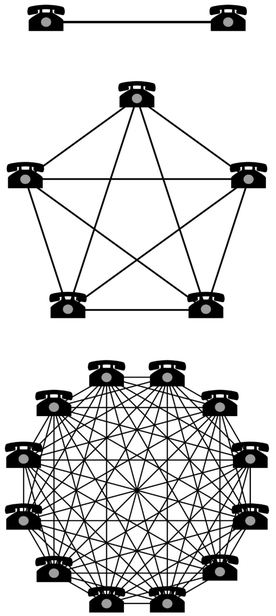
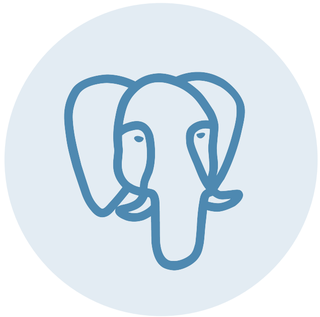
Postgres

Best Hidden Secret

- It’s changing
- No marketing
- Apply more strength / Metcalf's law





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COMMUNITY OPEN SOURCE

- Built to sell / built to solve
- Indepence
- Super technology

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COMMUNITY OPEN SOURCE

POSTGRES - OFF TOPIC

Closing presentation by Bruce Momjian - “Will Postgres Live Forever?”

Proprietary Software Life Cycle

versus

Open Source Software Life Cycle

https://momjian.us

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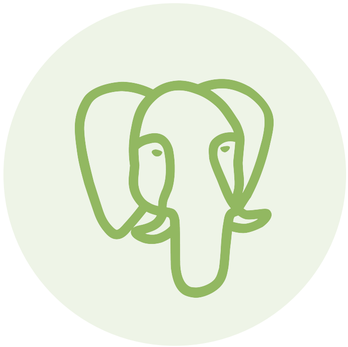
POSTGRES

- Vehicle of choice
- Massive Postgres
- Oracle on Postgres



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POSTGRES

- Global player
- Focus on the Enterprise
- Making a difference

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POSTGRES

- Extensions
- Foreign Data Wrappers
- Multi Model

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POSTGRES

- Procedural Languages
- Faster than Java
- Mindset
- #SmartDB / #PinkDB - who knows

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Over

OPEN OR CLOSED

OVER

- Black box suffices
- Code access is crucial
- Paradigm shift

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OPEN OR CLOSED

OVER - OFF TOPIC

- **“Black Box”** approach can also be really tricky
- Not just with traditional vendors
- Amazon RDS vs. regular PostgreSQL

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FOCUS

OVER

- Automation, “DevOps” or don’t care
- Think different
- Lean

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RED OR BLUE

OVER

- Tradition
- Religion

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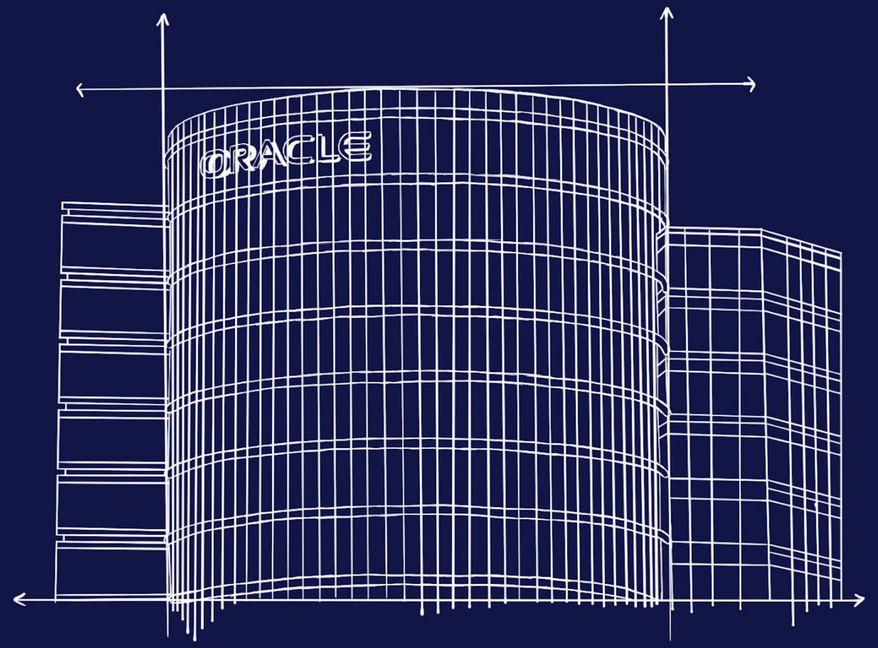
Oracle

LARGE

ORACLE

- Big company
- For big clients
- On big projects



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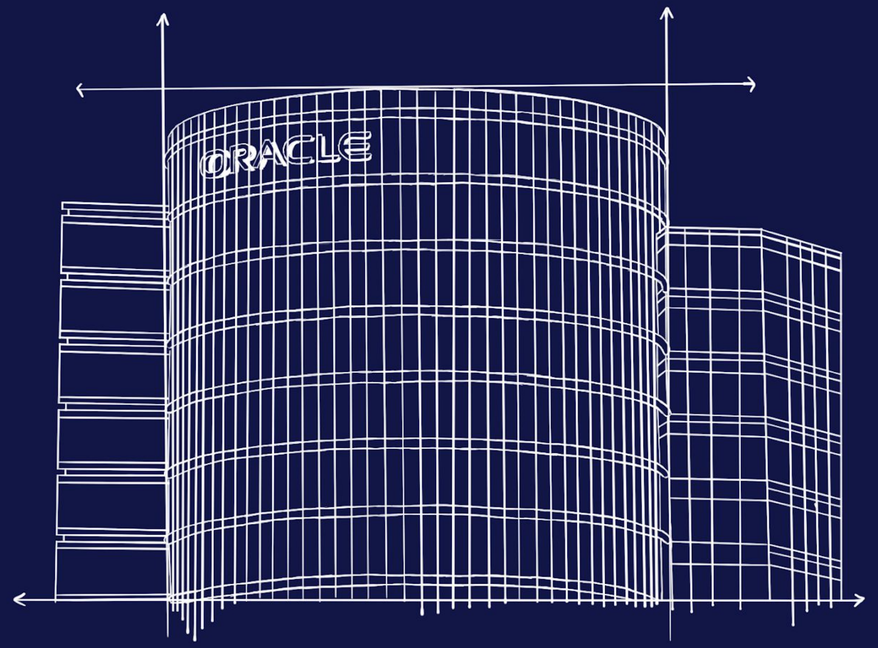
ECONOMY OF SCALE

ORACLE

- Makes sense (at scale)
- Large enterprise focus



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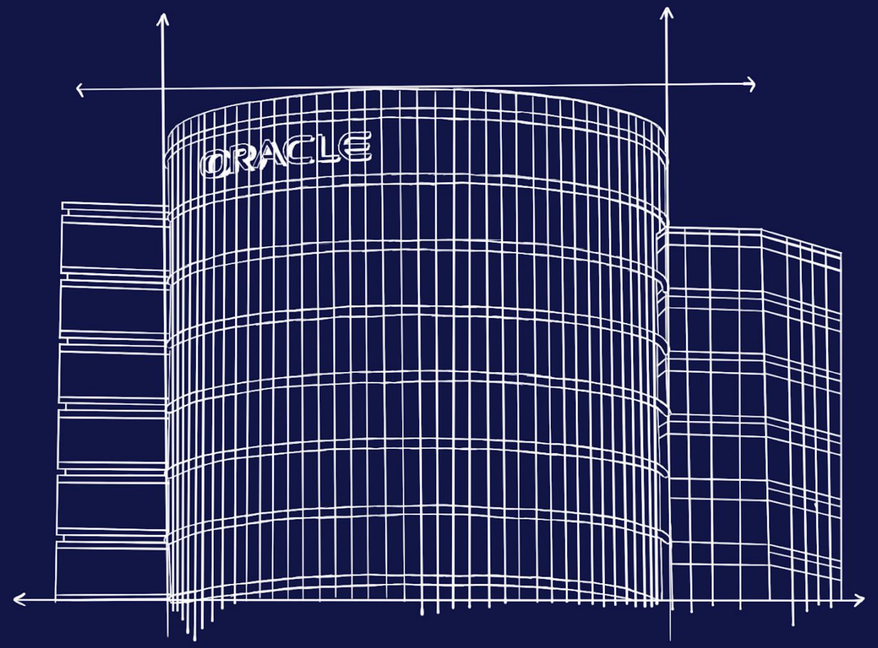
DIRECTION

ORACLE

- Diversification
- At your service
- Abstraction



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Lessons Learned

WEIGH YOUR NEEDS

LESSONS LEARNED

- What do I need
- What does my project need
- What should be our focus

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DON’T BE AFRAID

LESSONS LEARNED

- You are not alone
- Technically it’s never issue
- Not much fresh wine

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SMALL TO BIG

LESSONS LEARNED

- They all state it
- Video recorder to conglomerate bank
- We don’t need promises

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THERE ARE MORE WAYS

LESSONS LEARNED

- But when it comes to databases
- That truly needs to do something
- Postgres could just be
- Your best bet for the future!

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Stay in touch

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That’s it!

Special thanks to Bruce Momjian
for his inspiration…

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