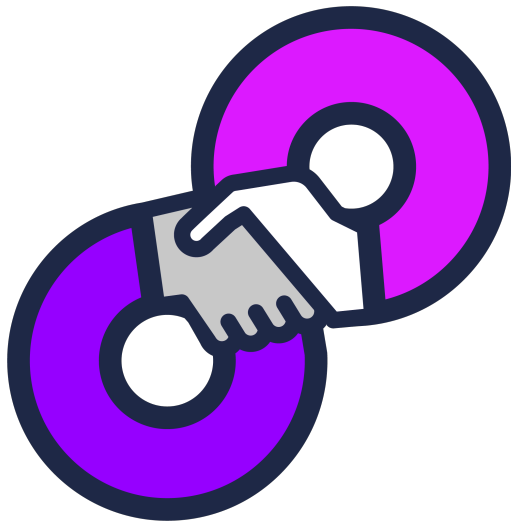


# SHOULD I STAY OR SHOULD I GO?

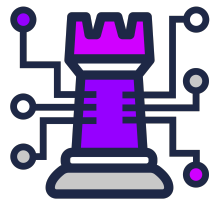
Thoughts before moving to another database platform

## 2 TRIVADIS & ACCENTURE: #1 FOR DATA & AI

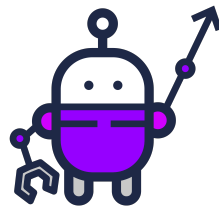


- Together we are 1500 specialists at 34 locations in Switzerland, Germany and Austria with a focus on **Data & Applied Intelligence**.
- Together we support you in the **intelligent end-to-end use of your data**.
- We cover the entire spectrum: from the **development and operation of data platforms and solutions**, to the refinement of data as well as **consulting and training**.
- We achieve this through the unique combination of Trivadis' **technological expertise** and Accenture's **strategic know-how** in the field of data.

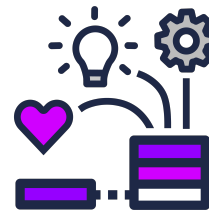
### 3 OUR RANGE OF SERVICE



**BUSINESS  
ANALYTICS**



**BUSINESS  
AUTOMATION**



**MODERNE DATEN-  
PLATTFORMEN**



**MODERNE CLOUD-  
INFRASTRUKTUR**

## 4 VISIT OUR BOOTH IN GATHER.TOWN - STAGE 1

- Find us on stage 1 to the right of the escalator
- Play our game «ALPAKA»
- Meet our experts at the booth
- Attend the interview about the joint future of Trivadis and Accenture on Thursday, 18.11.2021, 11:50h (DOAG Studio)

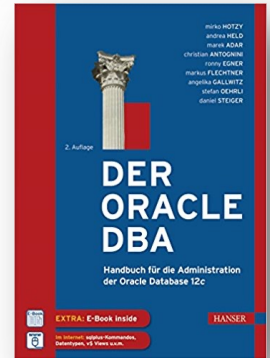


HI!



# MARKUS FLECHTNER PRINCIPAL CONSULTANT

- Trivadis Germany GmbH
- Studied Mathematics a long time ago
- Focus
  - Oracle High Availability
  - Database Upgrade + Migration
- Teacher: RAC, New Features, Multitenant, PostgreSQL
- Twitter @markusdba
- Blog: markusdba.net|.de
- Co-author of the book "Der Oracle DBA (2016)"



**trivadis** Part of Accenture

## 6 ALMOST EVERYONE WANTS TO MIGRATE (I)

- Currently, there's a kind of "database migration hype"
- More players in the RDBMS market
  - Enterprise DB is very active in promoting their product "Enterprise DB Advanced Server" as an alternative to Oracle
- Oracle is too expensive
- Support is bad
- ...

## 7 ALMOST EVERYONE WANTS TO MIGRATE (2)

- Specialized No-SQL-Databases
  - Document store
  - In-Memory Cache / Database
  - Graph database
  - Time Series database

## 8 AGENDA

- "Never change a running system, so why should I migrate"?
- Decision criteria
- Which databases to migrate?
- Why should I stay?
- Summary



# WHY SHOULD I GO (MIGRATE)?

## 10 POSSIBLE REASONS TO LEAVE ORACLE ..

- Political decisions
- Oracle is expensive
- Oracle support is bad
- Other databases have more features
- We don't need all these Oracle features
- Oracle doesn't like us anymore

## 11 POLITICAL DECISIONS

# Schleswig-Holstein läutet Abschied von Microsoft ein

Die schleswig-holsteinische Landesregierung setzt bei der IT-Beschaffung den Kurs auf Open Source und strebt langfristig eine „vollständige Ablösung“ von Closed-Source-Software an.

- Source: <https://www.heise.de/newsticker/meldung/Schleswig-Holstein-laeutet-Abschied-von-Microsoft-ein-3849115.html> (October 2017)

## 12 ORACLE IS EXPENSIVE ... (1) – A SHORT POLL

Which database is more expensive ( 5 years period)?

- Oracle Database Standard Edition 2
- Enterprise DB PostgreSQL Standard
- Enterprise DB PostgreSQL Advanced Server

Go to [www.menti.com](http://www.menti.com) and use the code 6946 0192

## 13 ORACLE IS EXPENSIVE .. (2)

	Metrics	Licence (1 time)	Support / Subscription annual fee	
Oracle SE2	Socket	15.194,00 €	3.342,00 €	(2018)
EDB Postgres Standard	Core/vCore	- €	1.225,00 €	(2016)
EDB Advanced Server	Core/vCore	- €	1.750,00 €	(2016)
<b>Server</b>		<b>4 Cores</b>	<b>1 Socket</b>	
	TCO / 3 years	TCO/4 years	TCO/5 years	
Oracle SE2	25.220,00 €	28.562,00 €	31.904,00 €	
EDB Postgres Standard	14.700,00 €	19.600,00 €	24.500,00 €	
EDB Advanced Server	21.000,00 €	28.000,00 €	35.000,00 €	
<b>Server</b>		<b>6 Cores</b>	<b>1 Socket</b>	
	TCO / 3 years	TCO/4 years	TCO/5 years	
Oracle SE2	25.220,00 €	28.562,00 €	31.904,00 €	
EDB Postgres Standard	22.050,00 €	29.400,00 €	36.750,00 €	
EDB Advanced Server	31.500,00 €	42.000,00 €	52.500,00 €	
<b>Server</b>		<b>8 Cores</b>	<b>1 Socket</b>	
	TCO / 3 years	TCO/4 years	TCO/5 years	
Oracle SE2	25.220,00 €	28.562,00 €	31.904,00 €	
EDB Postgres Standard	29.400,00 €	39.200,00 €	49.000,00 €	
EDB Advanced Server	42.000,00 €	56.000,00 €	70.000,00 €	

### Not considered:

- Discounts
- Different functionality of Oracle SE2 vs. EDB Postgres Standard vs. EDB Advanced Server
- Migration costs (analysis, migration, testing)
- Training

## 14 ORACLE SUPPORT IS BAD

- It takes a long time until support starts working on my SRs
- .. And even longer until my issues are resolved
- .. Often there is no solution
- It's faster to find the solution yourself
  
- The support analysts do not understand me
- They always ask the same question for a single SR
- They want to keep the customer busy, to make their statistics look good
- ..

## 15 FEATURES, FEATURES, FEATURES ..

- Other databases have more features
- We don't need all these Oracle features

## 16 ORACLE DOESN'T LIKE US ANYMORE

- There was this nasty licence audit last month ...
- Last year I got some tickets for this nice Oracle customer event
  - This year not
  - And some people told me the event this year was much better
- Last week the Oracle sales representative won on the golf course
  - .. And this was the first time ever



# DECISION CRITERIA

## 18 (TECHNICAL) DECISION CRITERIA

- Compare the databases by feature
- Priorize the features
  - Required
  - Nice-to-have
- Evaluate the database products

But as we all know, most decisions are not taken by technical criteria 😞

## 19 (TECHNICAL) DECISION CRITERIA - EXAMPLE

- High Availability Solutions
- Scalability
- Backup & Recovery
- Security
- Monitoring
- Administration
- Support
- Availability of Patches & Upgrades
- Available tools
- Database Features
  - Partitioning
  - Compression
  - Encryption
  - Replication
- BLOB support
- Full-Text-Search
- JSON-Support
- XML-Support
- REST-API
- ....

# WHICH DATABASES TO MIGRATE?

## 21 BEFORE YOU MIGRATE ... DEFINE TEST SCENARIOS FIRST ...

- Functional tests
- Performance tests
  - Think about SLAs
- And don't forget the disaster recovery tests

## 22 WHICH DATABASES TO MIGRATE (FIRST)

- Don't migrate existing applications and databases in the first step, but start new projects with the new database(s)
- Simple databases
  - No or few Oracle specific features
- Applications from commercial vendors
  - Which support multiple databases
- The database can be the smaller and easiest part
  - Think about the clients and the applications

# WHY SHOULD I STAY?

## 24 OPEN SOURCE VS. CLOSED SOURCE

- Oracle is "closed-source" and a "vendor-lock-in"
- A lot of database products offered by commercial vendors are based on open source
  - With additional features
  - Using these products is another kind of "vendor lock-in"
- The same applies to customized databases offered by some cloud providers
- Pure Open Source is an option, ...
  - But think about support



## 25 IF COSTS ARE THE ARGUMENT ...

- Do not forget the "hidden" costs (beside licence costs)
  - Migration
  - Training
  - Operation
  
- Think about
  - Consolidating your Oracle Databases
    - 3 PDBs within a single CDB are "free" 😊
  - Reducing the number of CPUs
  - "Downgrading" from EE to SE2

## 26 ORACLE SUPPORT IS BAD – MAYBE, BUT ...

- The are "good" and "bad" support analysts at Oracle
- We are all human beings – and even "good" support analysts have "bad" days
- Very often it's not the knowledge but simple misunderstanding
  
- It's probably the same with other commercial software vendors, too
  - They all want to cut costs
- What's your experience with the support from other vendors?
  - Especially in severity 1 issues
  
- If you migrate to pure Open Source software without commercial support (cut down CAPEX to 0) you fully rely on the community

## 27 ORACLE IS EXPENSIVE ...

- Yes, it's expensive, ..
  
- But before moving to another platform, please think about
  - Is it possible to migrate your databases and applications?
  - How much does it cost? (migration, testing, modifications ..)
  - Training for your employees
  - Operating concept
  - Monitoring, Backup, etc.
  
- Keep your infrastructure simple
  - You are an IT specialist, not a zookeeper

## 28 FEATURES, FEATURES, FEATURES ..

- Other databases have more features
  - But how do you manage with Oracle now?
- We don't need all these Oracle features
  - Check the unused features – some of them may be useful for you 😊
    - you paid for them, so use them!
  - Downsizing to SE2 may be an option

## 29 THE LEARNING CURVE ...

- How long did you need to "learn Oracle"?
- .. to find the relevant blogs and websites?
- .. to get to know the community?

# SUMMARY

## 31 SUMMARY

- The database market becomes broader
  - New specialists (No-SQL database)
  - New generalists (RDBMS)
- Not every database application must run on Oracle
- But try to keep your environment simple
- It's not only about license costs
- Evaluate the database products and your databases carefully before starting a migration project

## QUESTIONS, ANSWERS & DISCUSSION



## MARKUS FLECHTNER

- [Markus.flechtner@trivadis.com](mailto:Markus.flechtner@trivadis.com)
- Twitter @markusdba
- Blog: markusdba.net|.de





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FOR A SMARTER LIFE**

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