



Quest

Toad Workshop

Ljubljana 6.2.2020

The top half of the slide features a dark blue background with a complex, glowing network of white and yellow lines and dots, resembling a molecular structure or a data network. The Quest logo is positioned in the upper left corner of this section.

Quest

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Sr. Manager

Pre-Sales & Professional Services EMEA

Trends & Strategy

A brief history



Toad®



SYBASE IQ
SALESFORCE.COM
BUSINESS OBJECTS
ORACLE
CASSANDRA TERADATA
MONGODB
DYNAMO DB
MYSQL
HBASE
INGRES
SIMPLEDB IBM DB2
GREENPLUM SYBASE ASE
SQL AZURE
EXCEL
SQLITE
INFORMIX POSTGRESQL
SQL ANYWHERE VERTICA
AZURE TABLE SERVICES
HADOOP
HIVE
ACCESS
NETEZZA
SQL SERVER

Who is Quest Software?

Quest is a global software provider **trusted by 100,000 customers and 6,000 partners** in 100 countries.

We help IT organizations spend **less time on administration and more time on innovation.**



3,500

employees focused
on customers

1,500

engineers building
quality products

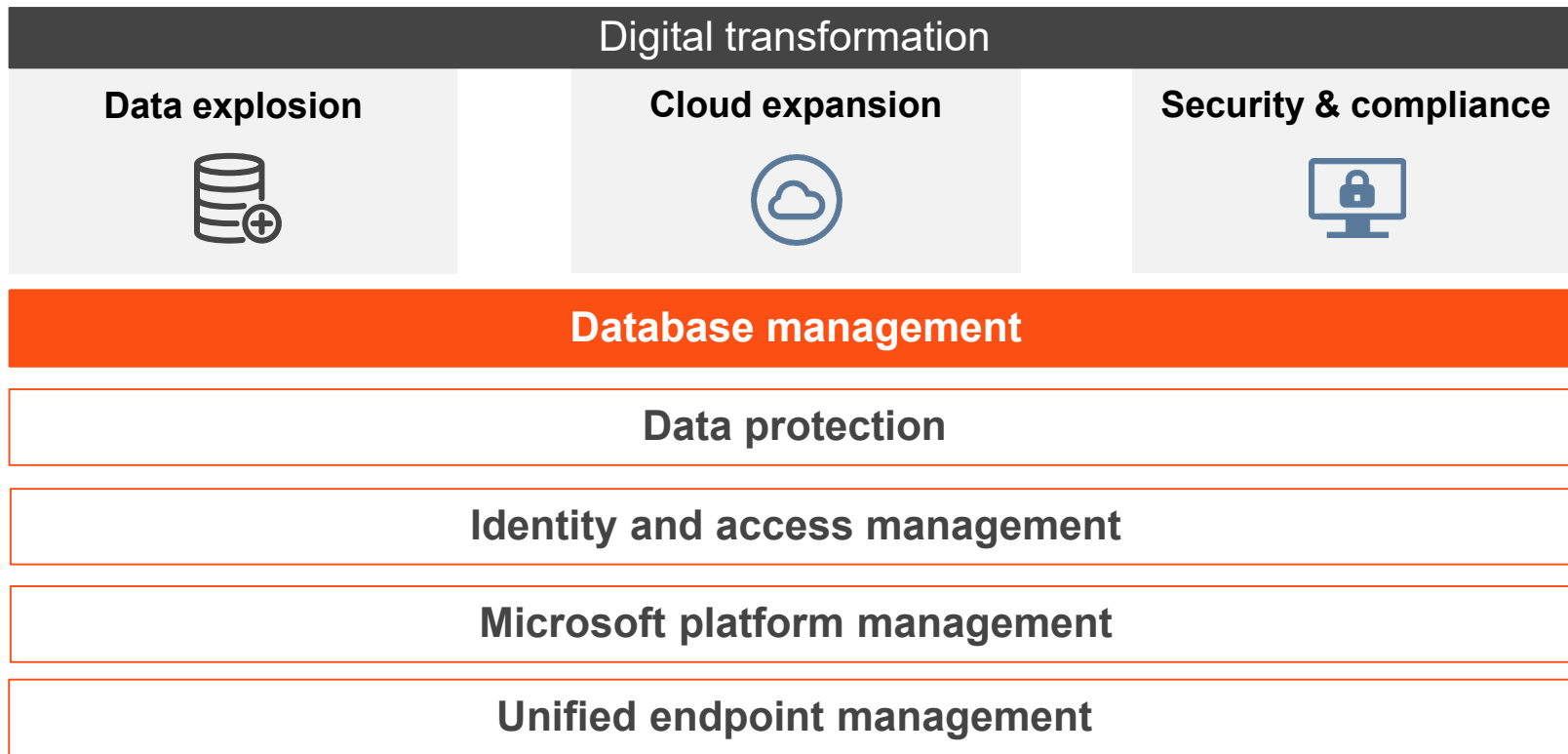
6,000

partners selling
our software

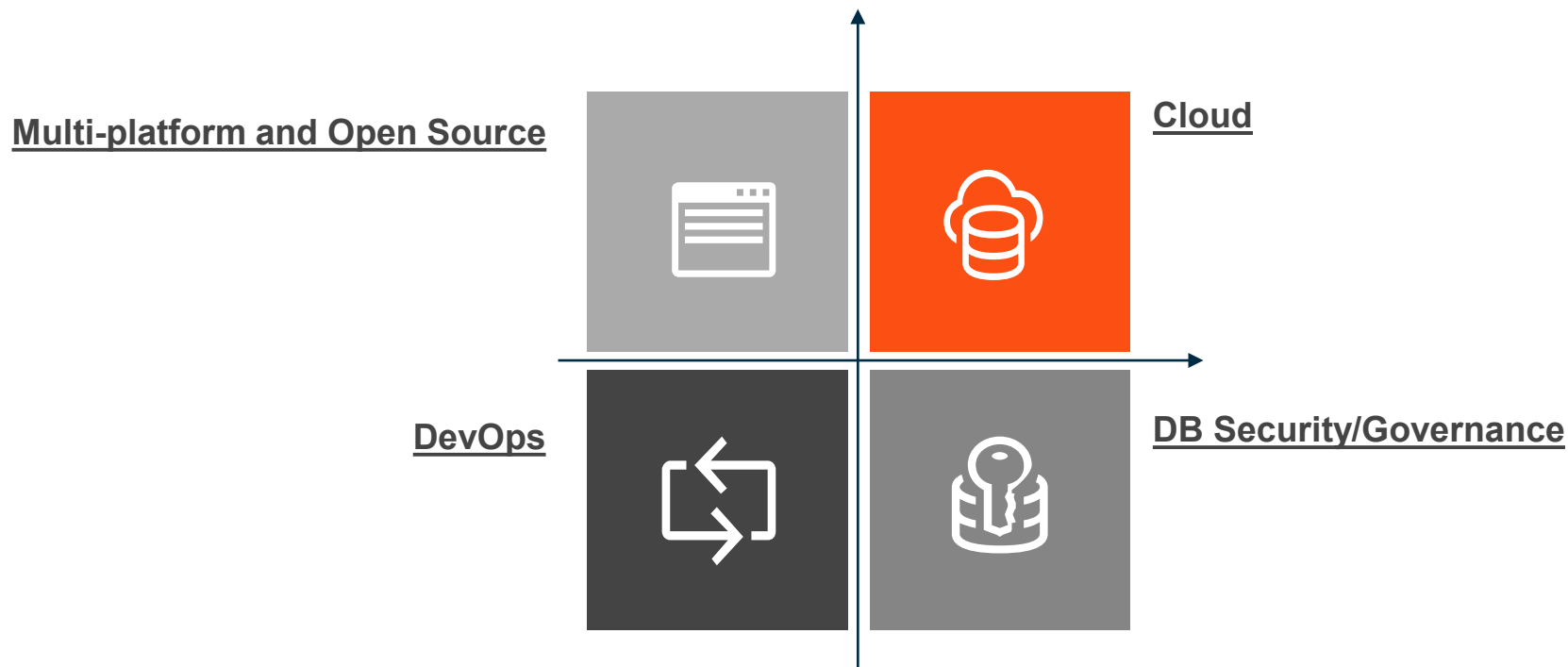
**90% of
Fortune 100**
using our
software

4M
**community
members**
sharing best practices

Quest solutions for...



Database Management Trends Snapshot



Database Management Trends Snapshot

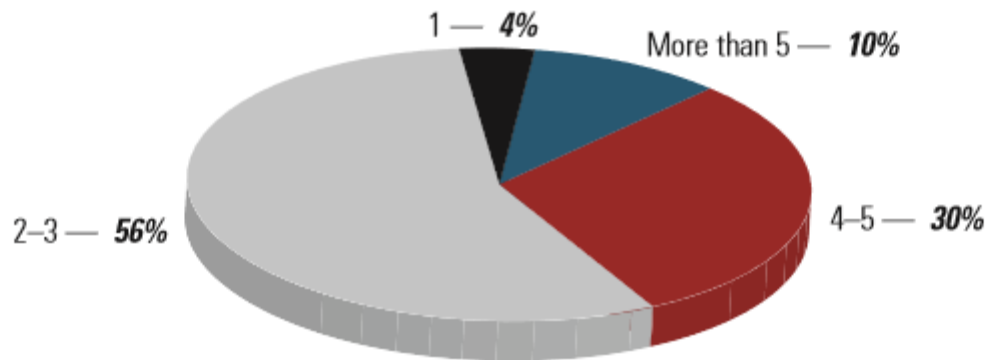
Multi-platform and Open Source

Open source databases comprise 25% of relational database usage according to Gartner.



Multi Platform/Hybrid Datacenters

Figure 4: Including both relational and non-relational database management platforms, approximately how many different brands of database management systems does your organization support?

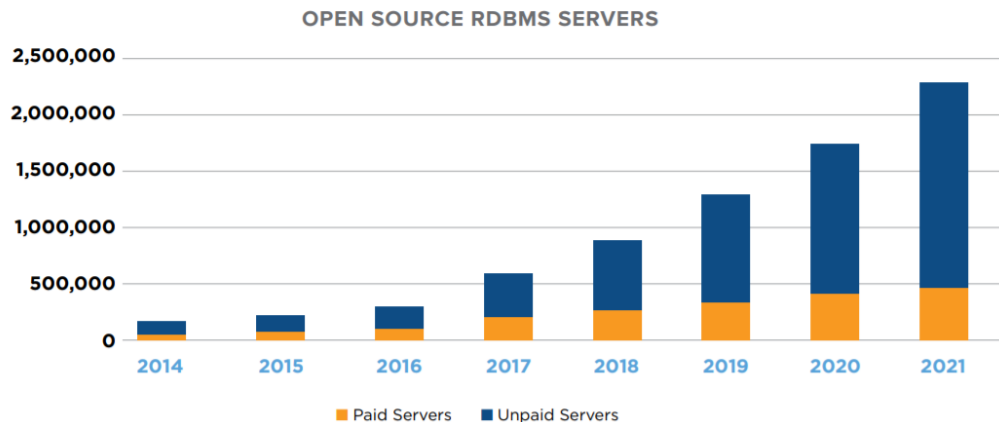


DBAs FACE NEW CHALLENGES: TREND IN DATABASE ADMINISTRATION was produced by Unisphere Research. Unisphere Research is the market research unit of Unisphere Media, a division of Information Today, Inc., publishers of Database Trends and Applications magazine and the 5 Minute Briefing newsletters. To review abstracts of our past reports, visit www.unisphereresearch.com. Unisphere Media, 121 Chanlon Road, New Providence, NJ 07974; 908-795-370

Open Source Adoption

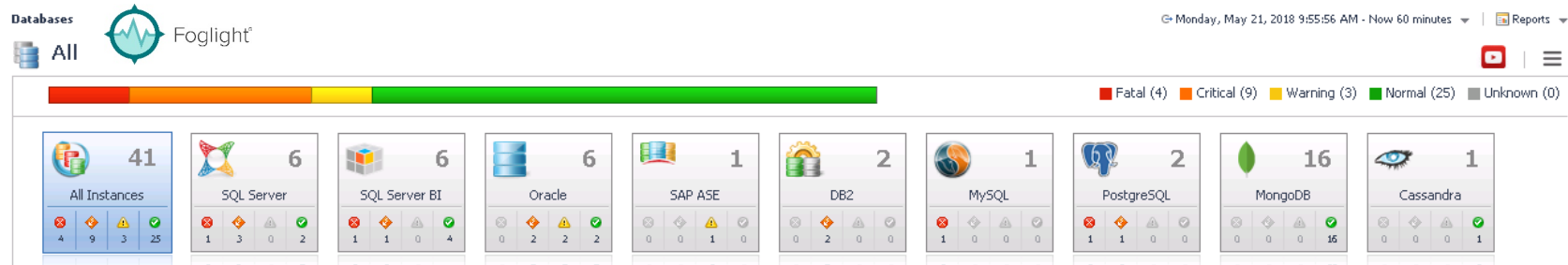
Demand for Open Source RDBMS Is Accelerating

IDC expects demand for open source relational database management systems to increase indefinitely.



Multi Platform Database Environments

- **Toad** and **Foglight** offer **cross-platform** database development, administration, monitoring, diagnostics, and tuning.



Oracle

SQL Server

IBM DB2

MySQL

NoSQL

Postgres

SAP

Toad products make working with databases easier

Open Source Databases

- **Toad Edge** offers a cross platform IDE for developing and administering MySQL and PostgreSQL databases.
- **Foglight** offers monitoring coverage of several industry leading open source platforms: MariaDB, PostgreSQL, MongoDB, and Cassandra.

New Connection

New Connection

Choose a database platform for your new connection.




1. Database Platform


2. Connection Settings


3. Connection Details


4. SSL Authentication

5. SSH Authentication


MySQL


PostgreSQL


Advanced Server


Redshift (Beta)

Define new connection settings for your PostgreSQL database.

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Database Management Trends Snapshot

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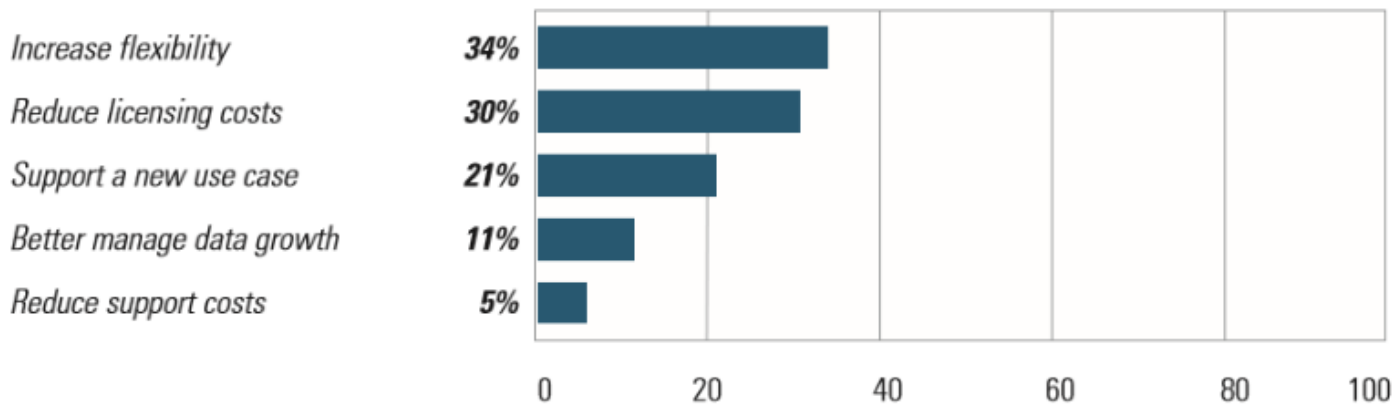
Cloud

As IT responds to the business need for more flexibility, reduced cost and competitive edge, companies are investing more in cloud DB services.



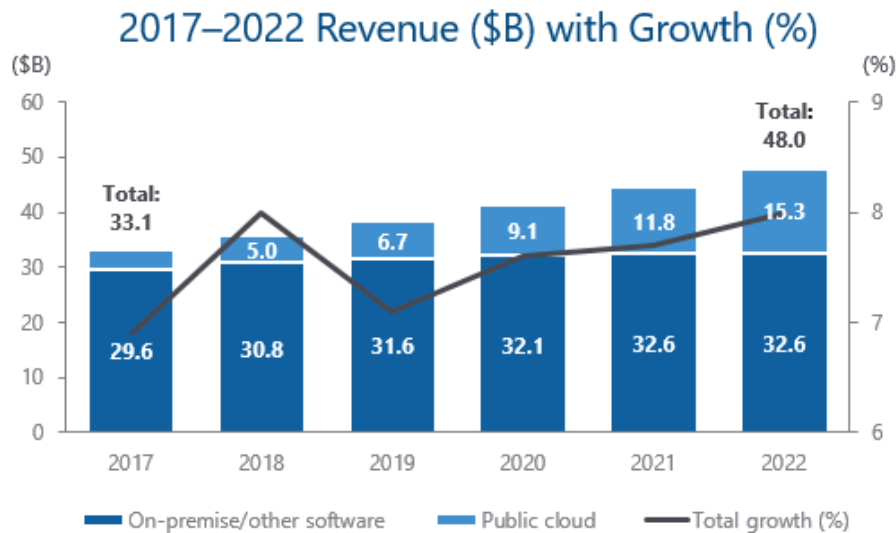
Cloud Adoption – Scope and Rationale

Figure 8: What was the primary reason you chose to manage at least some structured relational data in the cloud?



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Public Cloud Adoption



Source: IDC Worldwide
Relational Database
Management Systems
Forecast,
2018–2022
Carl W. Olofson

Selected Segment Growth Rate

- ▲ On-premise/other software CAGR 1.9%
- ▲ Public cloud CAGR 34.2%

Total Market CAGR

7.7%



Migration Use Case

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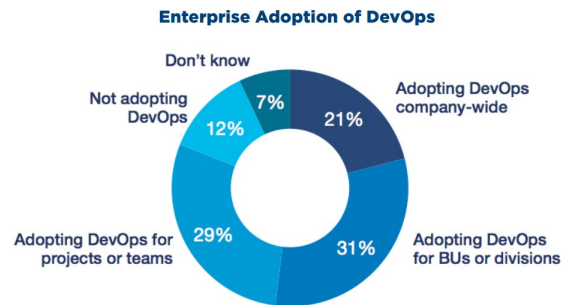
DevOps

Organizations are under a tremendous amount of pressure to build, test and release software and updates faster to remain competitive. Many have implemented DevOps to expedite this.

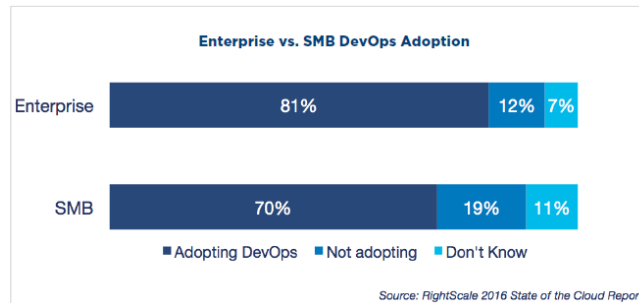


The Growth of DevOps

- Implementation of DevOps helps drive business but requires executive-level sponsorship and investment.
- DevOps involves changes to:
 - Personnel
 - Processes
 - Tooling
- The database is seen as one of the major bottlenecks in realising DevOps.
 - Need to shorten release cycles



Source: RightScale 2016 State of the Cloud Report



Source: RightScale 2016 State of the Cloud Report



Database DevOps Use Case

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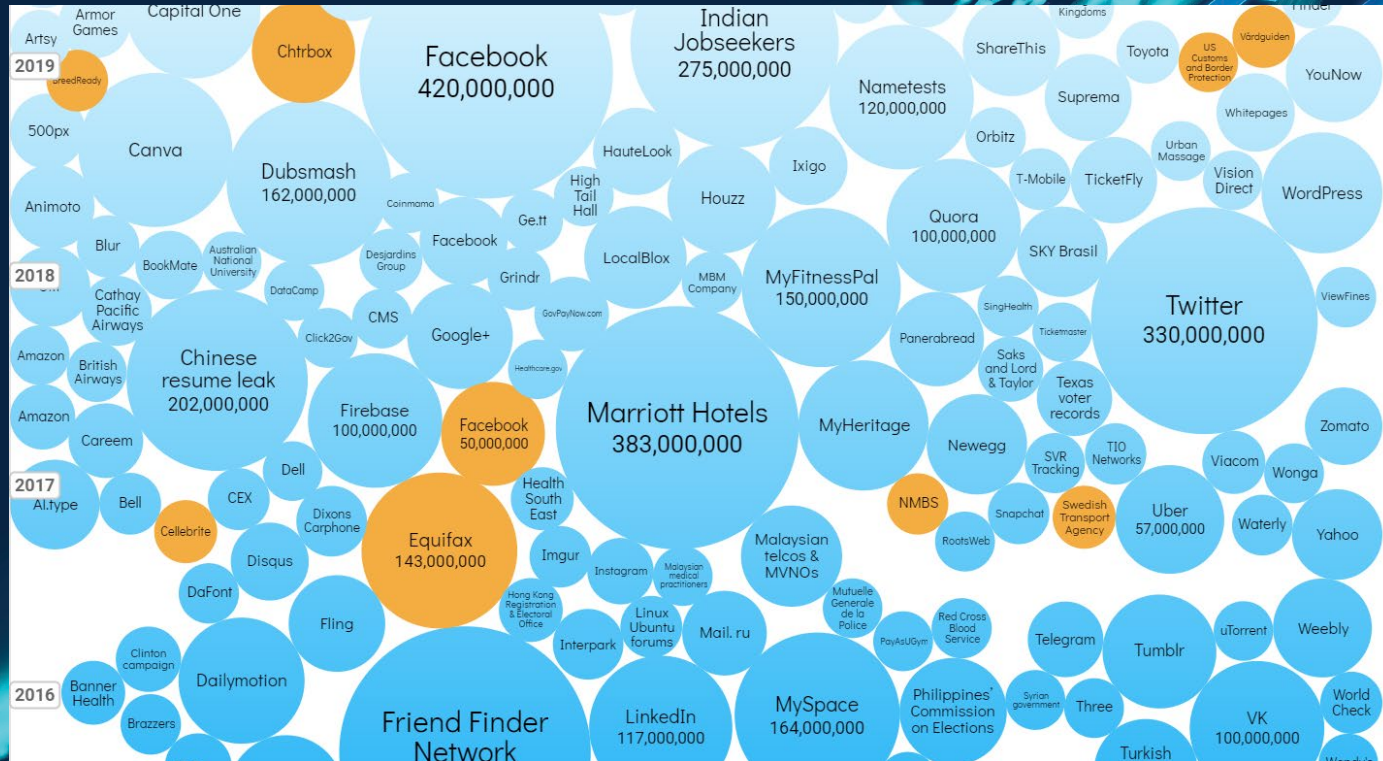


DB Security/Governance

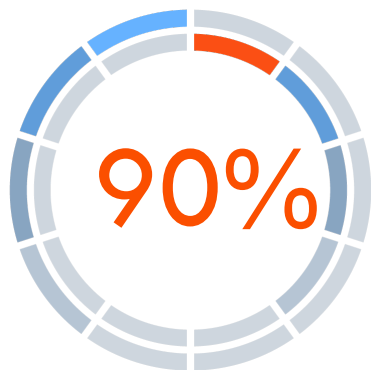
Many companies are now finding they need to comply with GDPR and other data privacy regulatory instruments (HIPAA, PCI, etc) which will require IT to discover where personal data is and protect it using encryption, redaction or masking and ensure their audit policies are fit-for-purpose.



Trends: Prevalence of Data Breaches

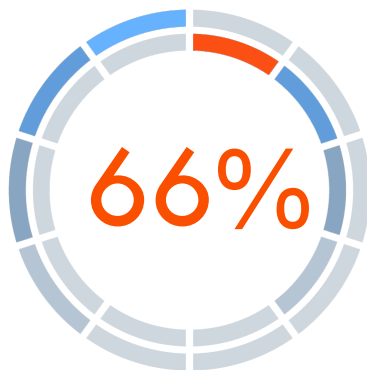


Internal and External Threats



Companies

**Feel vulnerable to
insider attacks**



Survey Respondents

**Consider insider attacks or
accidental breaches more
dangerous than external
attacks.**



Highest Risk IT Asset

Corporate databases

Biggest Challenge: Search

You can't protect what you can't find.

The missing link in privacy compliance is **search**.

Without this, the critical enabler of compliance readiness, many businesses cannot meet the demands of GDPR and other privacy regulations.

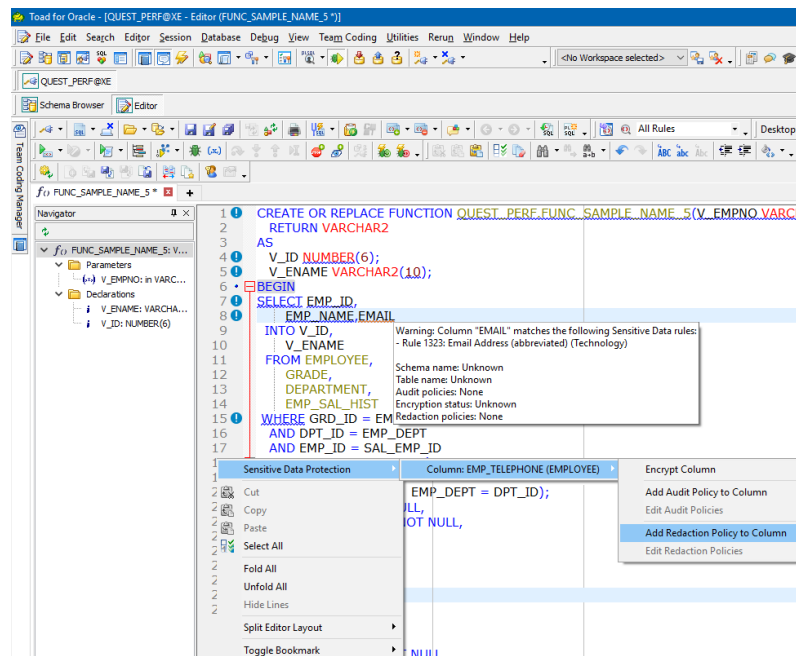


Toad for Oracle - Sensitive Data Awareness – What is it?



Requires the Professional Edition or higher

- Aimed at developers.
- Alerts developers of sensitive data as they write code in the Editor or as they create and alter tables.
- If Toad identifies sensitive data columns based on the search rules a DBA specified, then the developer can take action to protect the data (permissions allowing) using Oracle features.
- Helps comply with GDPR “Privacy by Design” requirements.

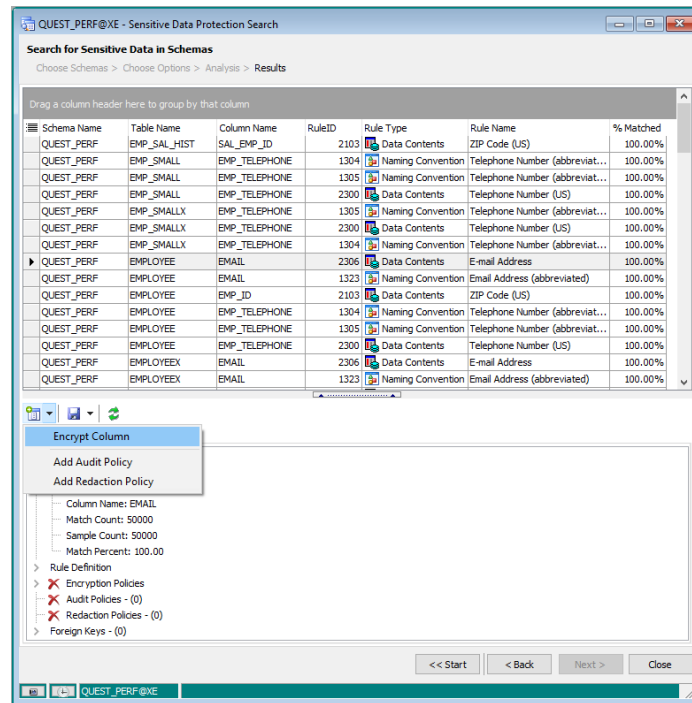




Toad for Oracle - Sensitive Data Search – What is it?

Requires the Sensitive Data Protection module

- Aimed at DBAs.
- Enables search of potentially sensitive data based on pre-defined or customizable rules. DBAs define what sensitive data means to them.
- Run searches on-the-fly or automate and schedule them as part of DB admin tasks.
- Search rules based on common column-naming conventions (metadata) and data content formats (data polling).
- Scans all tables in an Oracle schema and identifies where sensitive data exists based on column names or data content.

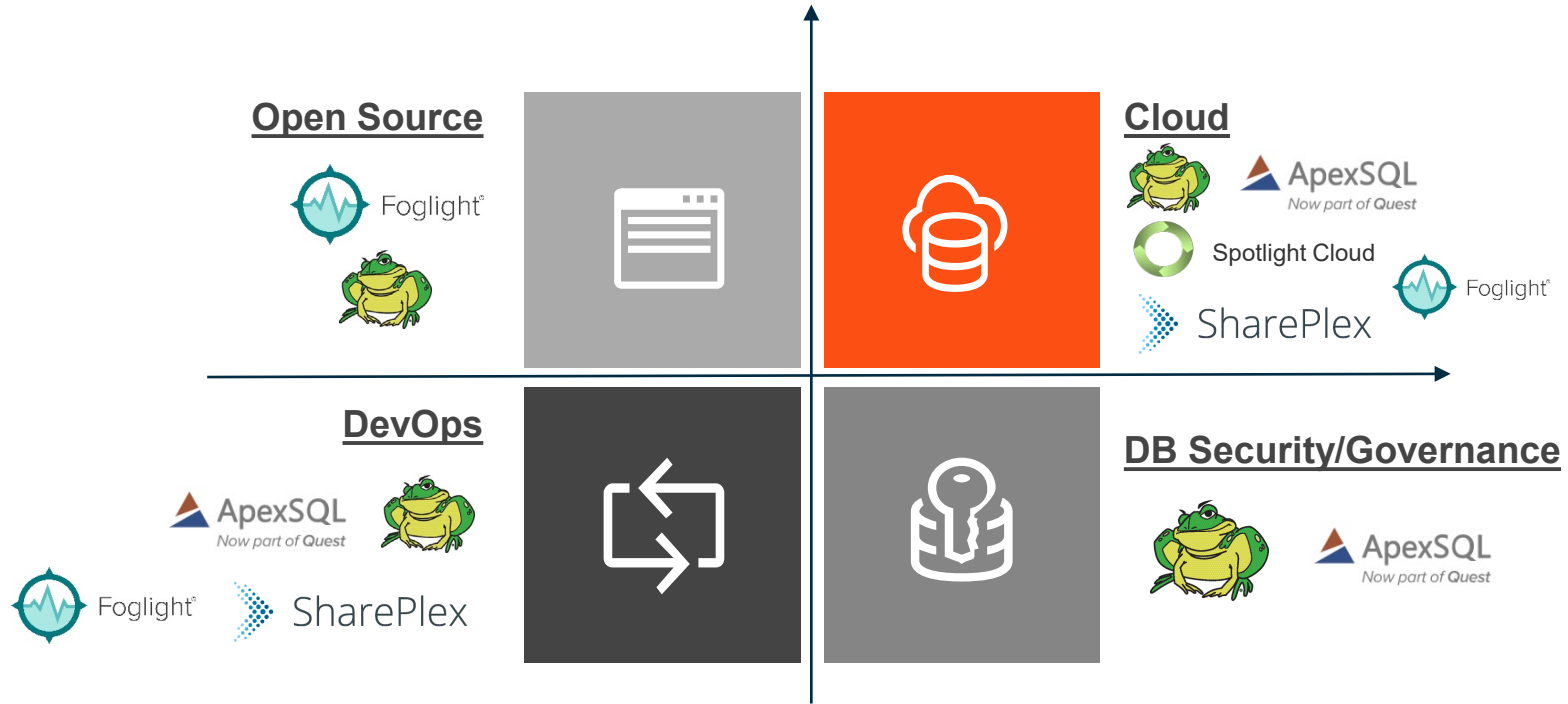




With Toad for Oracle -
Sensitive Data Protection...

DBAs become the
“superheroes” who
protect company
interests.

Quest Database Management Solutions





**MANAGE
MONITOR
MOVE**

Thanks for listening!

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