Sponsored session:

What we built with Open Source

Hans-Jürgen Schönig

Riga, 2025

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Database excellence

- 25 years of experience
- Operating worldwide
- Independent, professional, and honest

Motivation for this talk

Making enterprises work

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Open Source provides …

- All base technology
  - PostgreSQL database
  - GUI libraries
  - Other components
- Quality
  - Portability
  - Reliability

Important for “fully stack” deployments

Sometimes more is needed

“Integration, special requirements”

- Not all can be upstream
  - Often way too specific
  - Time to delivery matters
  - Often just not “interesting”
- Special purpose integration
  - Handling of specific business logic
  - Usability matters (GUIs, etc.)

Room for special offerings and tooling

Let me share some examples

What people sometimes need

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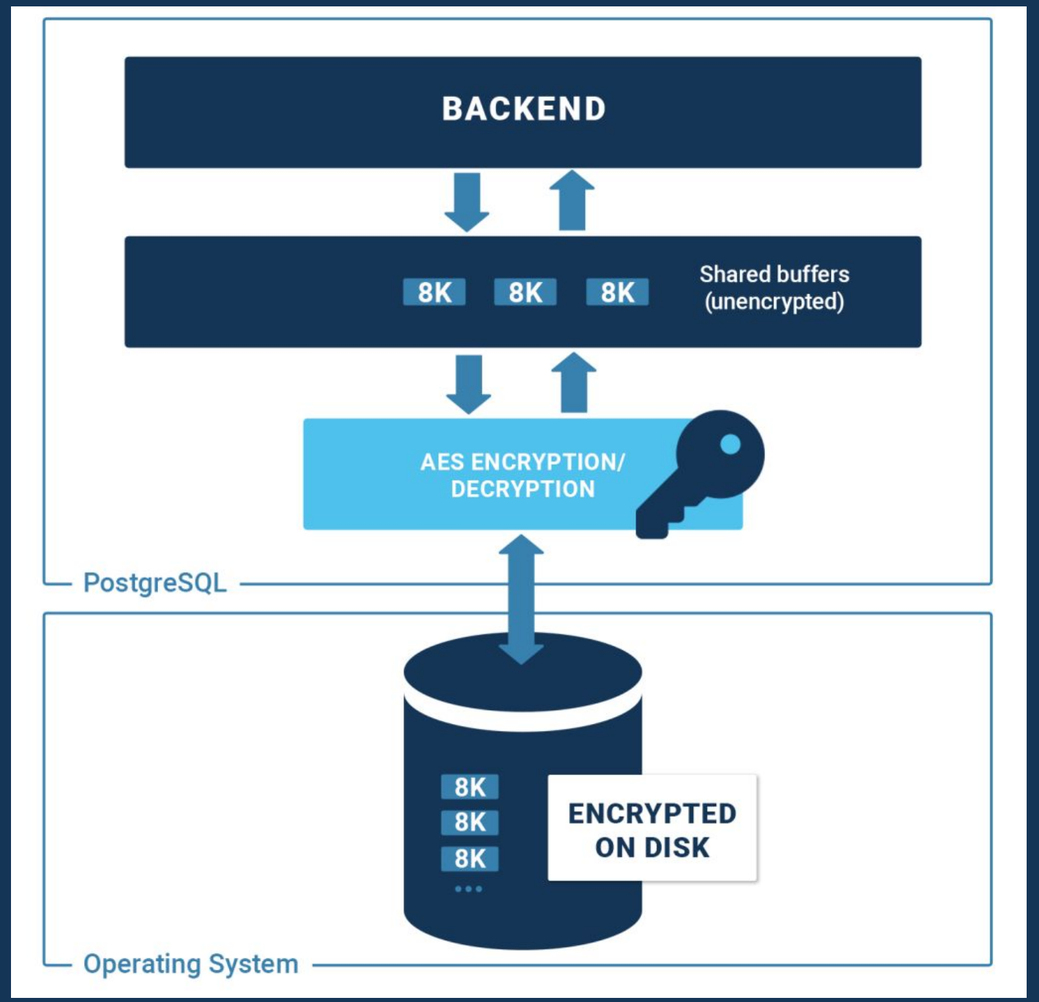
- Provides encryption
- Additional optimizer patches
- More security tooling



← Open Source initiative

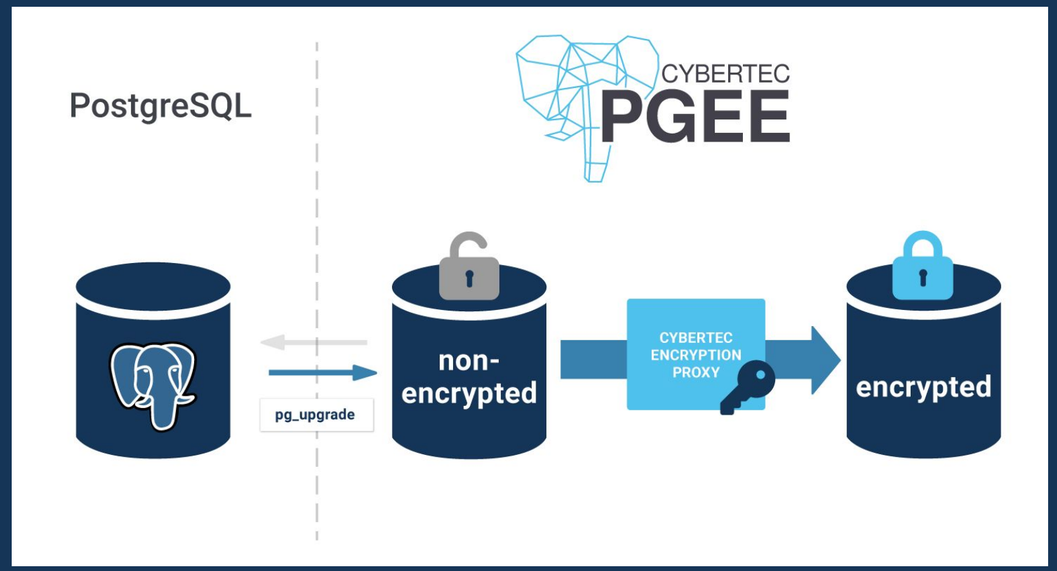
TDE: Data at Rest encryption

Fixing practical issues …

```
# /usr/lib/postgresql/17/bin/repl_proxy --help
repl_proxy is a tool to modify data during replication.

Usage:
  repl_proxy [OPTION]...

Options:
  -h, --master-host=HOSTNAME    connect to master on this
                                host (default: "local socket")
  -p, --master-port=PORT
       connect to master on this
       port (default: "5432")
  -H, --proxy-host=HOSTNAME     run proxy on this host
                                (default: "localhost")
  -P, --proxy-port=PORT         run proxy on this port
                                (default "5433")
  -K, --encryption-key-command=COMMAND
                                command that returns encryption key
  -k, --decryption-key-command=COMMAND
                                command that returns decryption key
  -v, --verbose                 output additional debugging information
  -?, --help                    show this help, then exit
```



scalefield

Full PostgreSQL Automation

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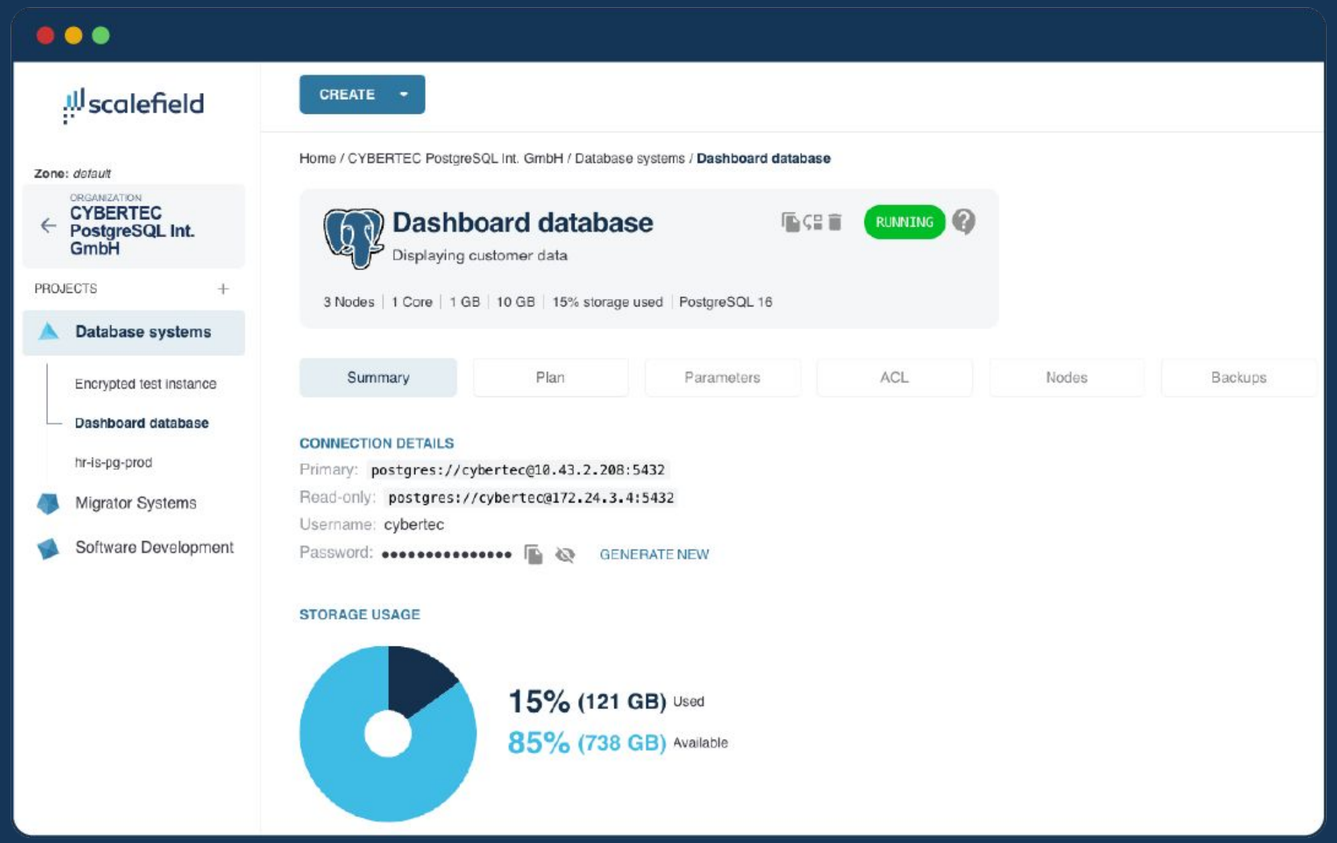
SCALEFIELD: PostgreSQL automated

- PostgreSQL / PGEE
- CYBERTEC Migrator
- CYPEX Low Code

CYBERTEC PRODUCTS ARE AVAILABLE IN

SCALEFIELD



- Full service automation
- Can be used directly
- Operated by MTN
- Backed by CYBERTEC support

Enterprise ready

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From Oracle to PostgreSQL

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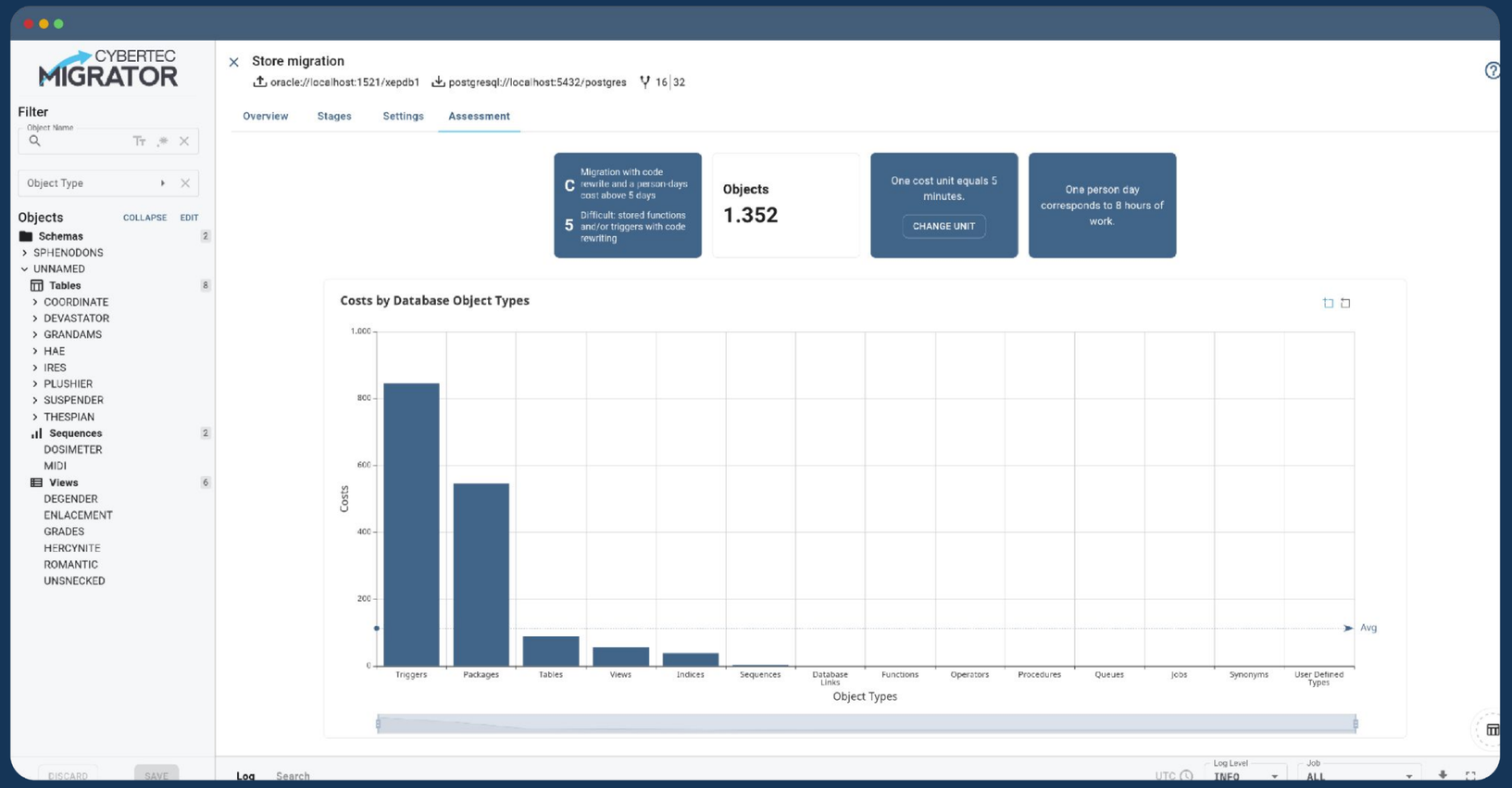
Moving to PostgreSQL

“Stop the bleeding”

Migrating to a more sustainable platform

Project assessment and scoping



- **Analyze source system**
  - Fetch Oracle information
- **Gather information**
  - Analyze automatically
  - Instant overview
- **Develop project plans**
  - **Plan project intelligently**
  - Save cost at every level

Managing data types

Filter database objects

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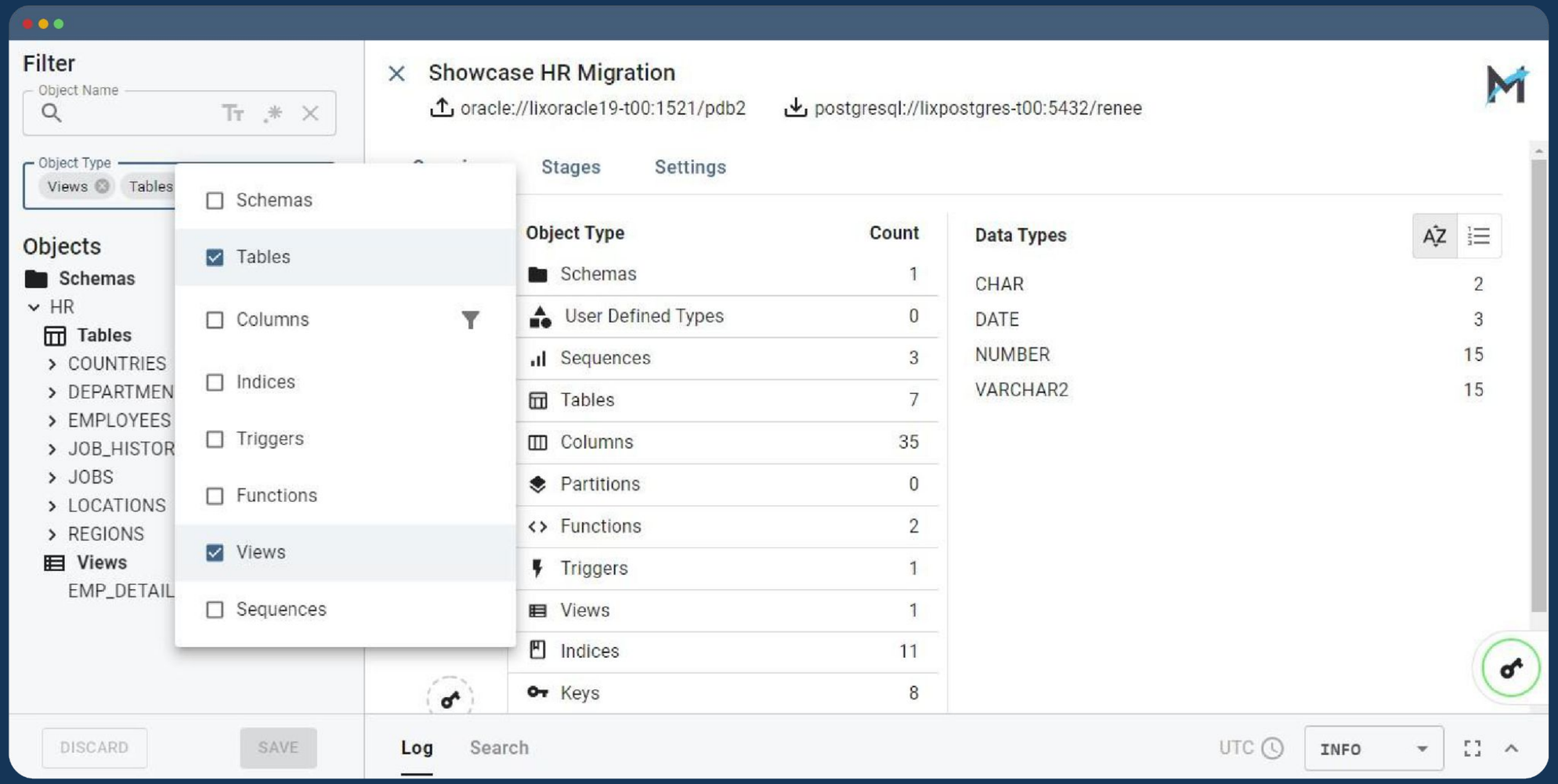

AI assisted code translation

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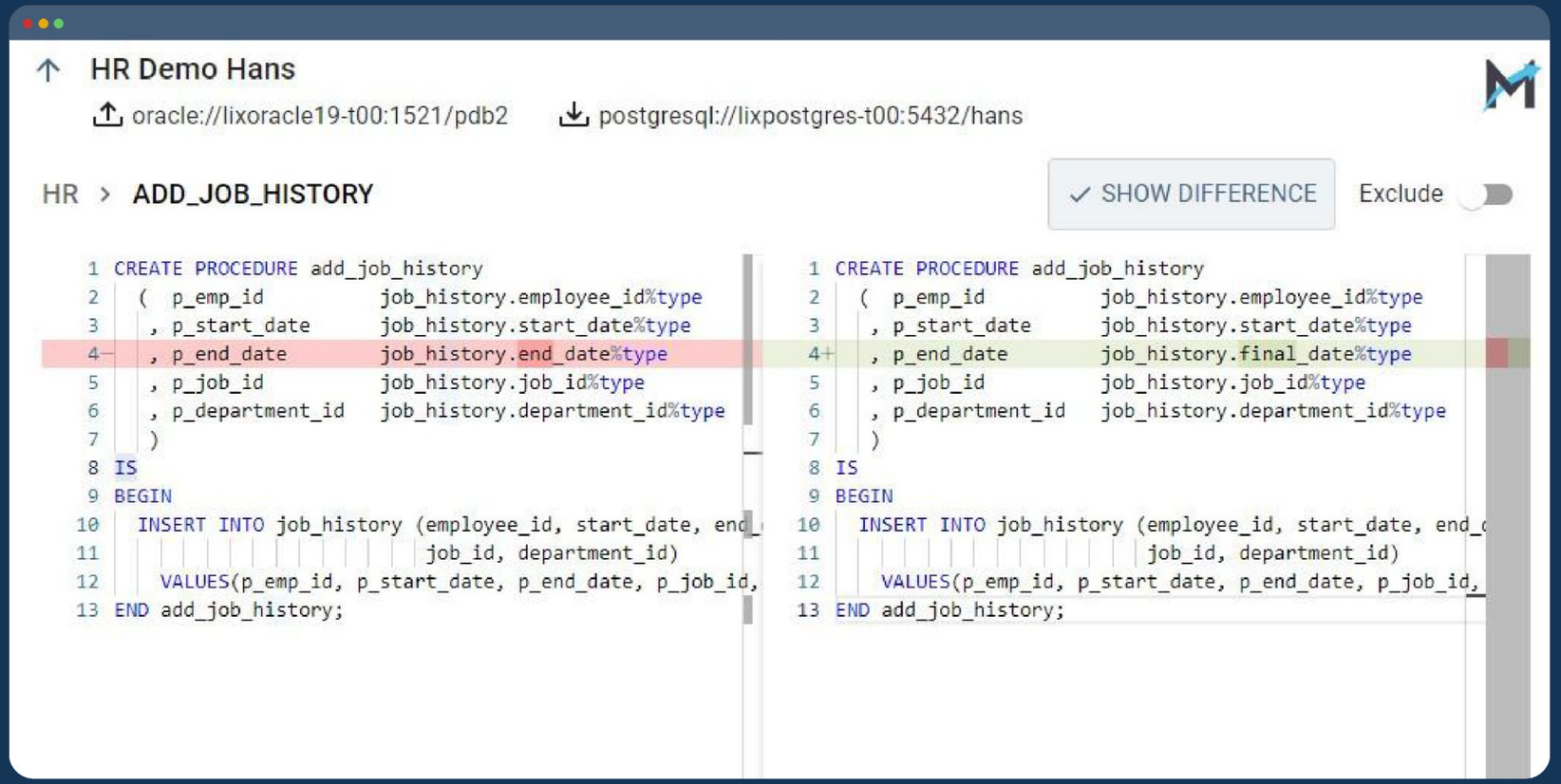

- **AI code translation**
  - Saves time
  - Cut costs
- **Code explanation**
  - Understand legacy code
  - Learning faster
- **Visual editing**
  - Easy interactive editor
  - Managing changes

Code analysis made easy

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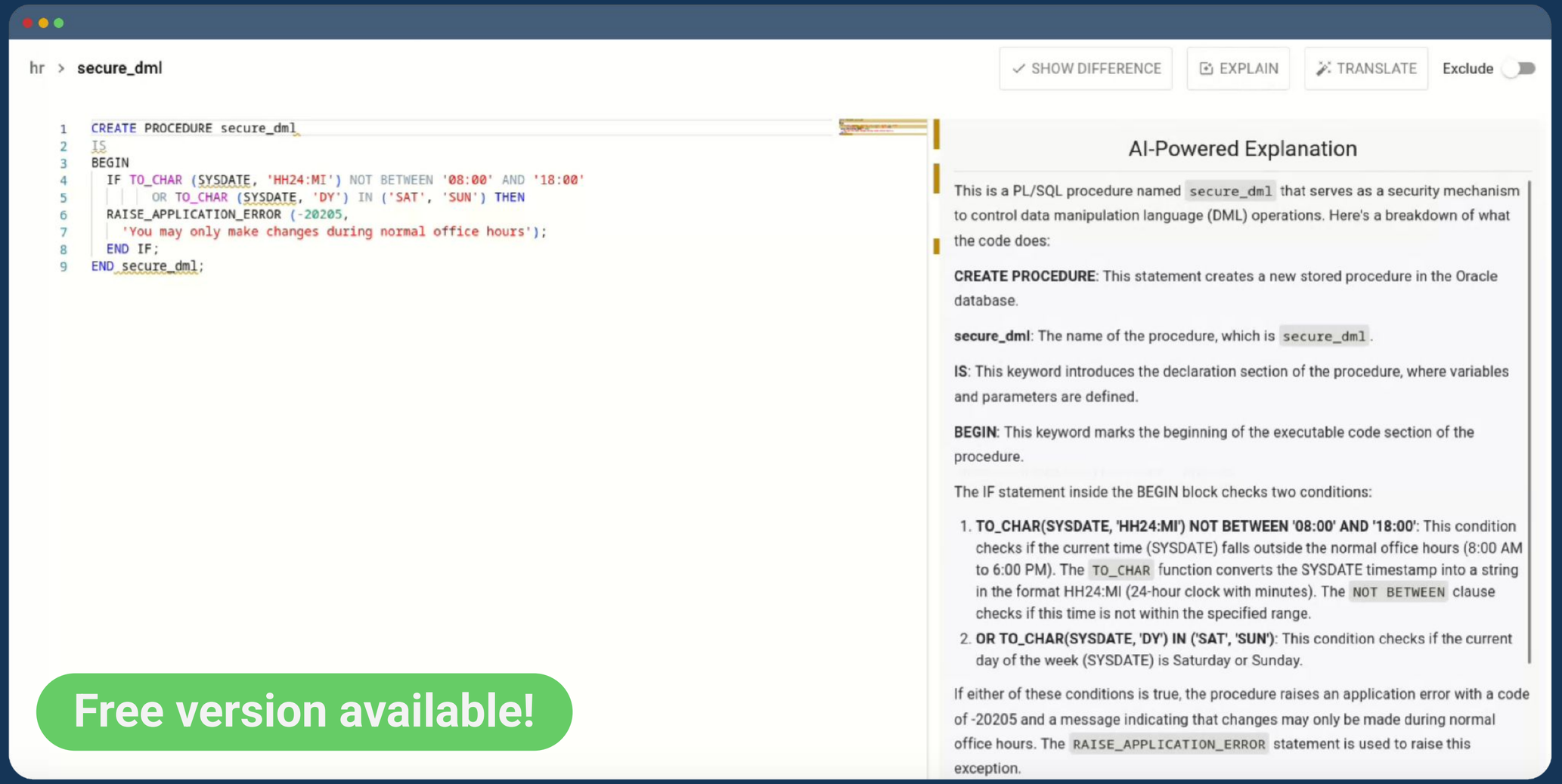

Free version available!

Compliance and regulations

“The not so cool but necessary stuff”

Compliance and more

“Will grow in the future”

- Highly regulated environments
  - Banking
  - Critical infrastructure
  - Medical
- Legal requirements
  - Not loved but mandatory

scalefieldsecure

Professional audit at a glance

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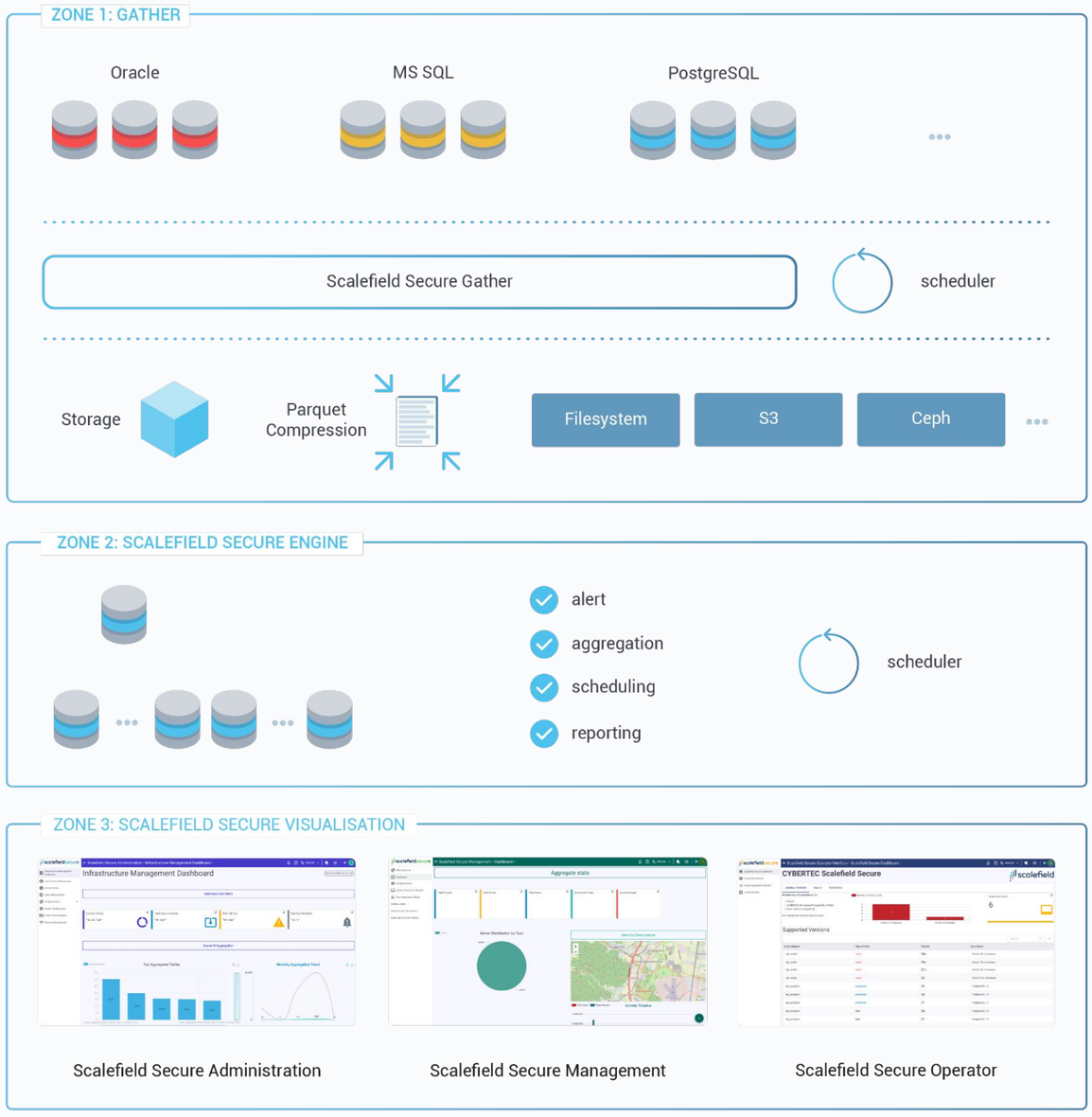


Scalable and resilient

“Because uptime matters”

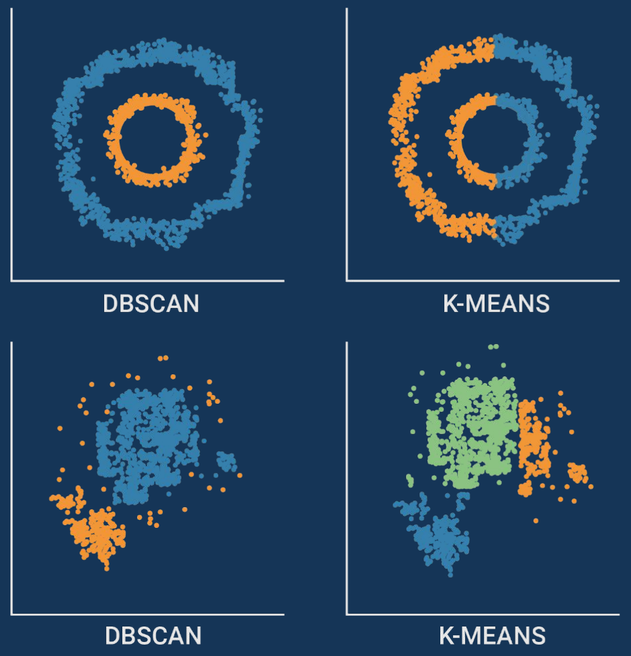
- Gather audit data @ scale
- Aggregate efficiently
- Report findings quickly
  - Visual interface
  - Integrated alerting

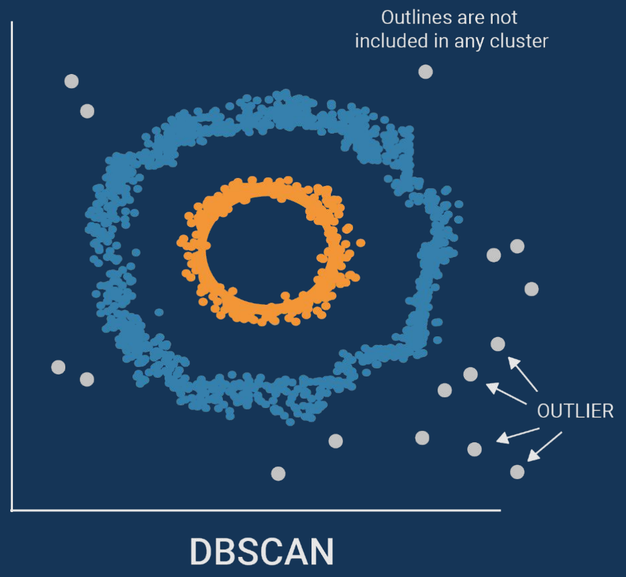
“Make auditors happy”

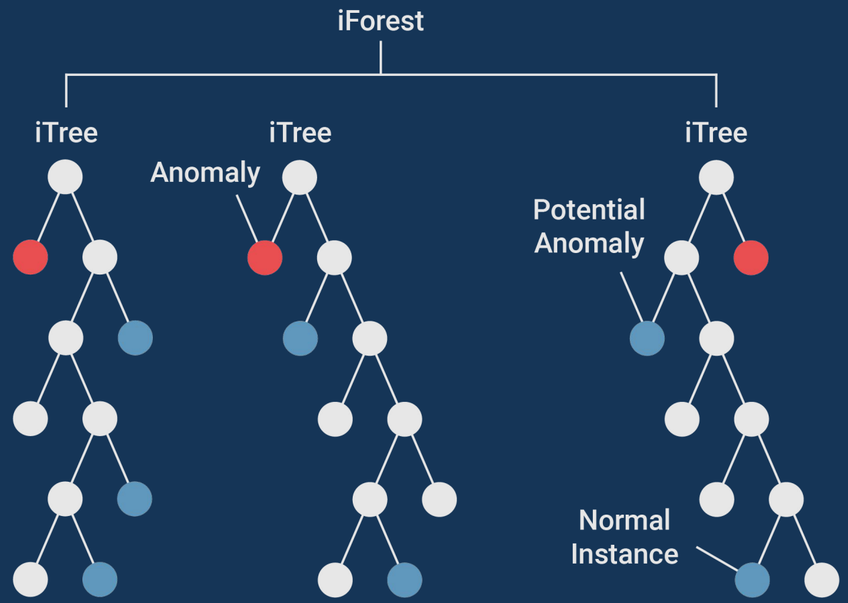
Apply modern technology

“Algorithms put to use”

- Intelligent analysis
- Using technology that matters
- Achieving results

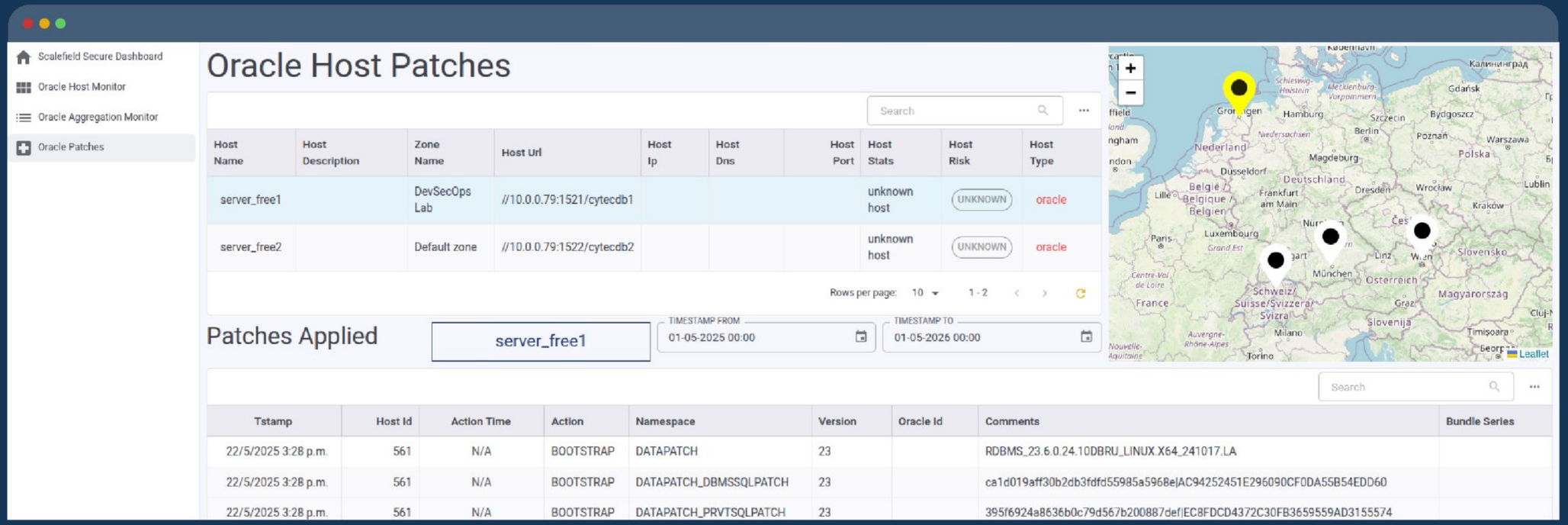






Presenting data to end users

Quick insights



Extensions for Patroni

Running Patroni @ scale

- **Multi Data Center Kubernetes operator**
  - Distributed Patroni
  - Enable multiple Kubernetes cluster
  - Consensus over consensus

- **Efficient upgrades**
  - No resync after upgrades
  - Important for MASSIVE databases

← Open Source initiative

← Merged soon

← Currently worked on

Our comprehensive offering

- Security features
- Compliance made easy
- 24x7 Enterprise support
- Technology that solves problems

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Our partners at PGConf.EU

readyset

redgate

OpenSource^DB
Your Trusted Data Partner

Microsoft

PROVENTA

Open Alliance

For PostgreSQL Education

Your Pathway to Verified PostgreSQL Skills

Scan for Updates

oapg-edu.org

PGDay Austria returns in 2026

Scan for updates

pgday.at

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Email

sales@cybertec-postgresql.com

Phone

+43 2622 930 22 - 0

www.cybertec-postgresql.com

@cybertec-postgresql

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