

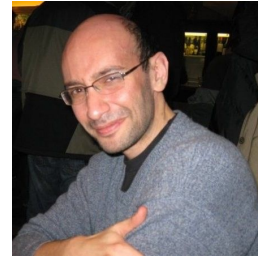


POWERING THE
PUBLIC SECTOR
WITH POSTGRES



AGENDA

- The Advantages of Open Source & Postgres for the Public Sector.
- The Endless Possibilities of Postgres.
- How Postgres is used in Public Sector Organisations.
- Demo.
- Q&A



Mostafa "Moe" Zakaria

Sales Engineer, EDB



THE POWER OF OPEN SOURCE

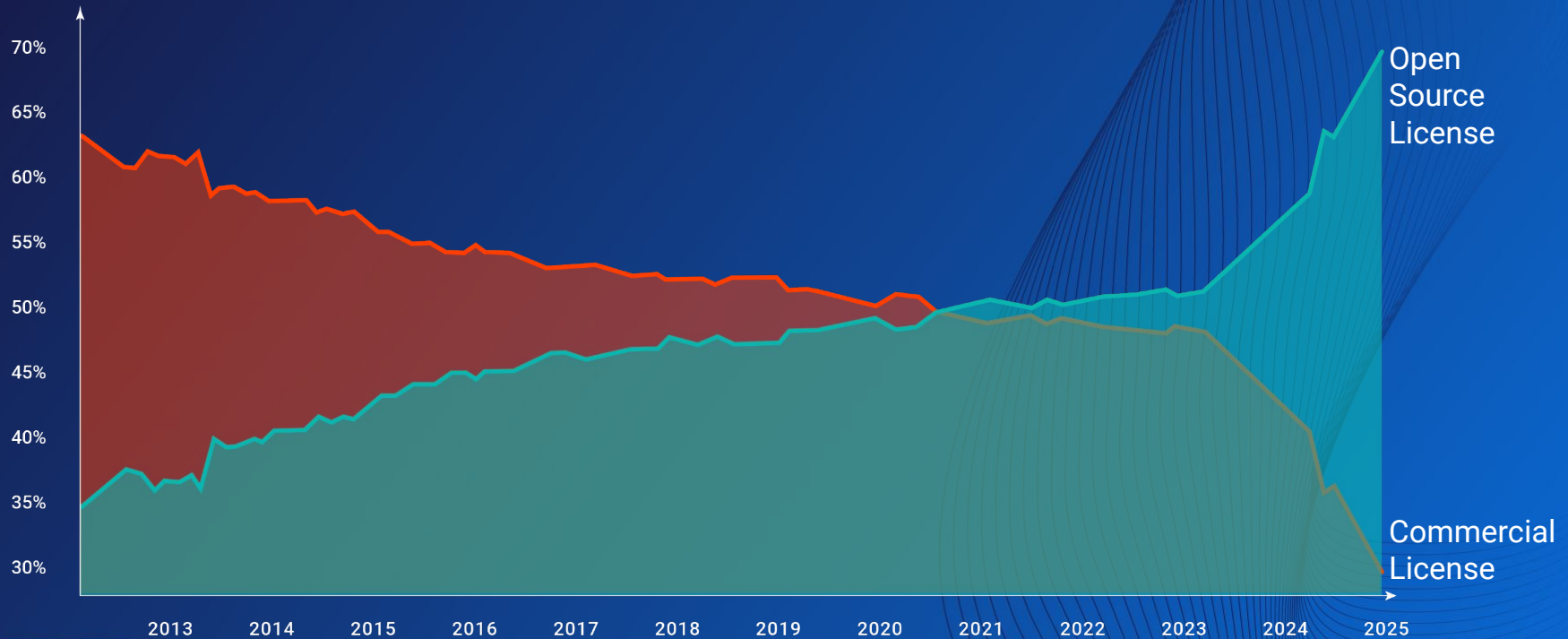
THE DIGITAL
TRANSFORMATION IS
UNDERWAY

The modern stack is
defined by **open source**

**Re-platforming of
CORE DATABASE
PLATFORMS
is central to this shift**

THE TIPPING POINT

Open source database licenses now outpace legacy



TO ACHIEVE REAL-WORLD ROI

Multinational risk management software corporation working with BFSI companies

77%

Reduction in report generation time

Energy utility company located in the Midwestern United States

80%

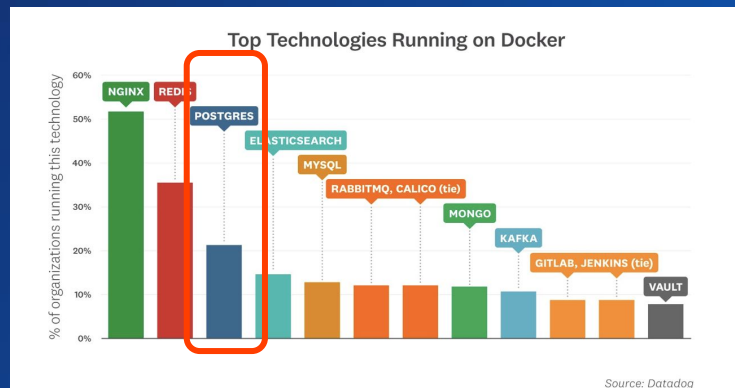
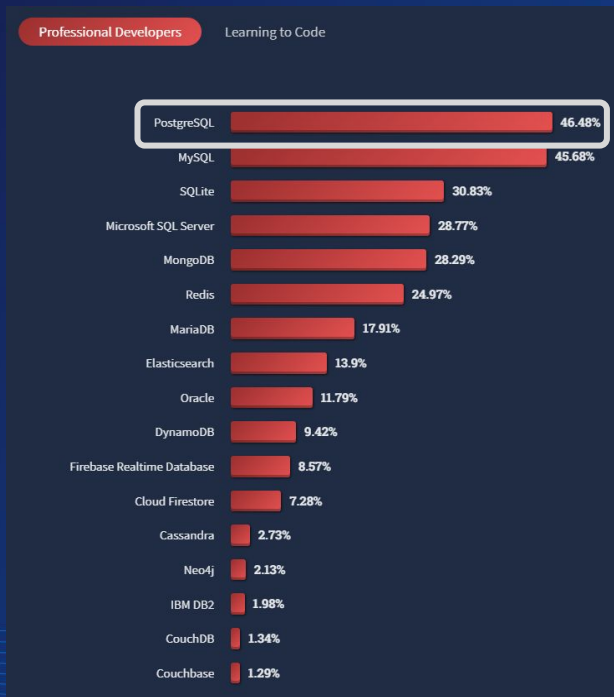
Reduction in costs compared to Oracle

UK Tunnel Monitoring Organization

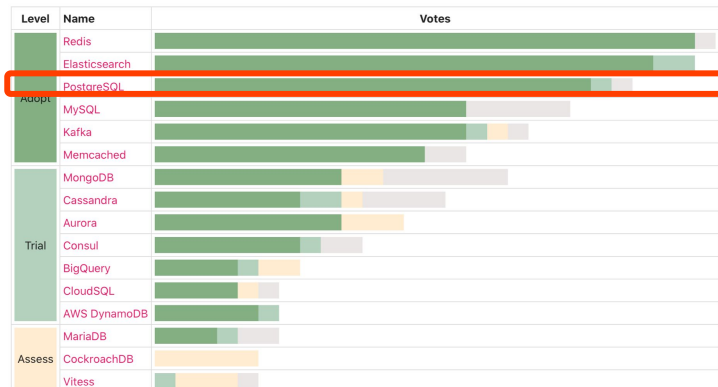
92%

Reduction in transition time between systems

LOVED BY DEVELOPERS AND DBAs



The CNCF End User Community was asked to describe what their companies recommend for different solutions: Adopt, Trial, Assess or Hold. This table shows how the End User companies rated each technology.



Stackoverflow 2022 Developer Survey

Cloud Native Computing Foundation Technology Radar



THE ENDLESS
POSSIBILITIES
OF POSTGRES

WIDE RANGE OF USE CASES

New Developments

- Custom solutions
- Micro services
- COTS

Migrations

- Lift and shift from Oracle, DB2, SQL Server, Informix, Sybase
- Application Modernizations

Data marts, Transactional Systems, IOT, Edge Solutions

- Data marts, ODS, OLTP, IOT/Edge, ...
- Open Source
- Open Standards based

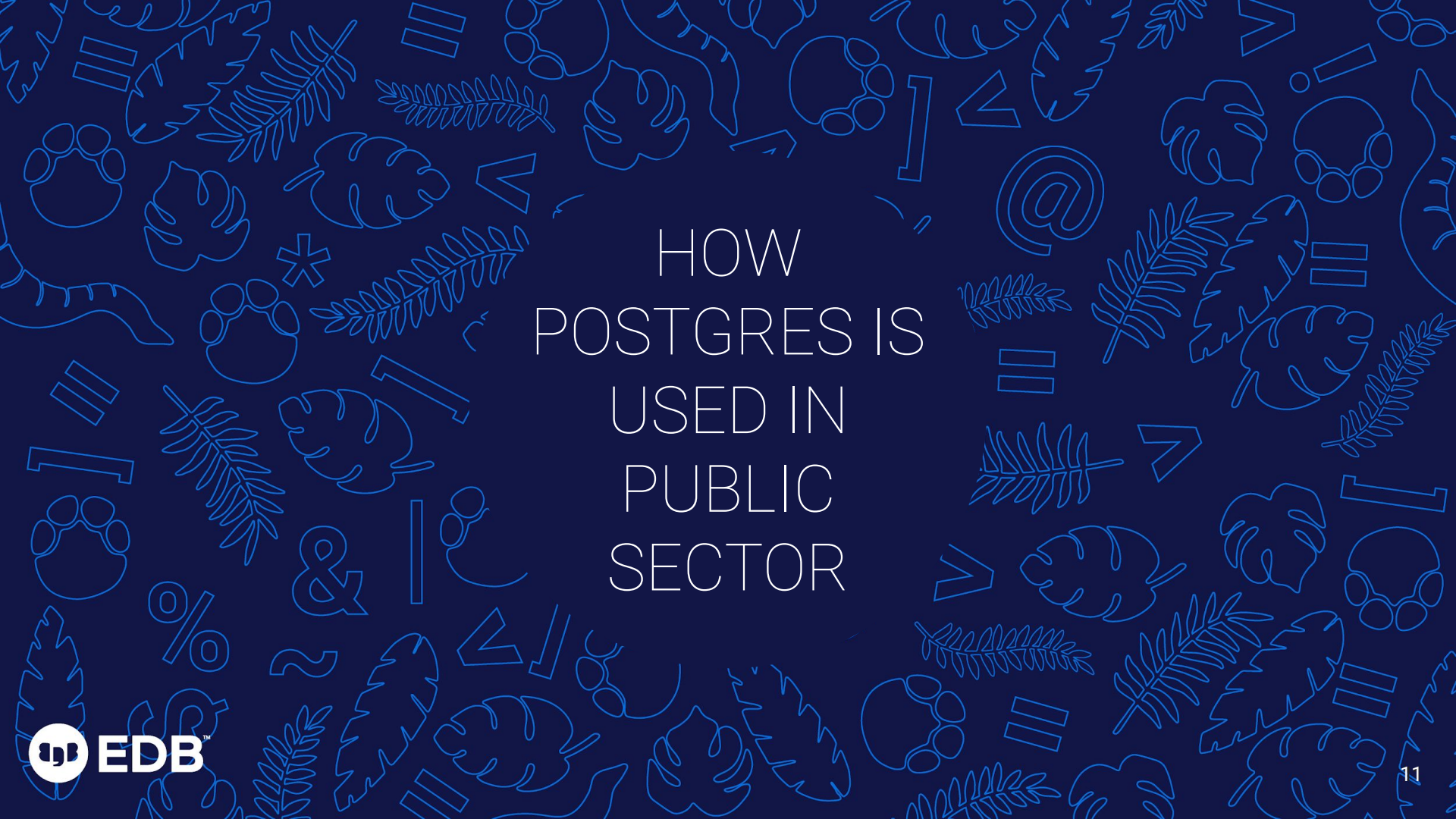
Cloud Transformations

- Every cloud (AWS, Google, Azure, private cloud)
- Every platform (DBaaS, IaaS, K8s)
- Every operating model (Fully-managed, self-managed)

POSTGRES IS A GAME CHANGER

- Safely, reliably and efficiently adopt open source technology for all criticality levels
- Build new, modern applications in the cloud, and reduce on-premises capacity
- Attract, easily train, and retain top talent
- Permanently reduce the cost of doing business





HOW
POSTGRES IS
USED IN
PUBLIC
SECTOR

POPULAR USE CASES IN PUBLIC SECTOR

- Cost Reduction
- Digital Sovereignty
- Adaptability
- Interoperability
- Transparency

PUBLIC SECTOR LEADERS ADOPTING POSTGRES



Australian Government
Defence



Australian Government
Services Australia



**NEW ZEALAND
CUSTOMS SERVICE**
TE MANA ARAI O AOTEAROA

U.S. ARMY

U.S. ARMY BENEFITS FROM EDB'S ROBUST POSTGRESQL FUNCTIONALITY



Use Case: EDB Postgres Advanced Server

The Challenge: Database solution that can run in a variety of environments across a wide range of army mission applications.

EDB Solution: Robust database functionality and an alternative to costly legacy vendors with Oracle compatibility and enhanced security.

ARMA

POLISH AGENCY FOR RESTRUCTURING &
MODERNIZATION OF AGRICULTURE BENEFITS
FROM POSTGRES HIGH AVAILABILITY &
SCALABILITY



Use Case: EDB Postgres Advanced Server & PostGIS

The Challenge: Database solution that can maintain consistent performance through demand spikes, supports GIS use cases, and can operate in a containerized environment.

EDB Solution: Robust High Availability and Enterprise Grade Support vastly improved reliability, reduced costs, and helped mitigate scalability risks.

“These are the reasons why customers choose EDB solutions – they guarantee operational stability and reliability as well as availability of advice and support both from their vendor and from a network of partners”,

- Dariusz Świąder, CEO, Linux Polska.

London & Partners

LONDON & PARTNERS EXECUTES A MULTI-VERSION POSTGRES UPGRADE WHILE MIGRATING TO THE CLOUD



Use Case: Community360 & Remote DBA Service

The Challenge: London & Partners' website has an expansive remit, designed to meet a wide variety of needs & when their in-house database architect left, they had an opportunity to reconsider the best team makeup for their needs.

EDB Solution: A remote DBA service that provided round-the-clock expertise for supporting a cloud migration, major database upgrade and implementation of a disaster recovery plan.

“At this point, we know that anything database related, EDB has 100% covered, which frees me up to focus on something else. They’re like a seamless extension of our team. I don’t pay attention to the database because I know they will.”

- *Cadavid Somoza, Senior Software Development Manager*

FBI

THE FBI SAVES MONEY AND MAINTAINS DATA OWNERSHIP BY MIGRATING FROM ORACLE WITH EDB'S HELP



Use Case: Oracle Migration

The Challenge: Migration of case management and background checks applications away from Oracle and into AWS cloud. Licensing fees made the migration too expensive.

EDB Solution: Robust Oracle compatibility features, making it easy and cost-effective to migrate applications and existing infrastructure into Postgres and AWS with minimal disruption or fear of data loss.

POPULAR USE CASES IN PUBLIC SECTOR

- Cost reductions
- Reliability
- Decentralisation

DEMO

EDB COMPATIBILITY WITH ORACLE DATABASE



SCHEMA



DATA



CODE



API



TOOLS

Part of the way
SCHEMA AND DATA ONLY



Most of the way
SCHEMA, DATA AND CODE



Almost there
SCHEMA, DATA, CODE AND INTERFACE



All the way
SCHEMA, DATA, CODE, INTERFACE AND OPERATIONAL TOOLS

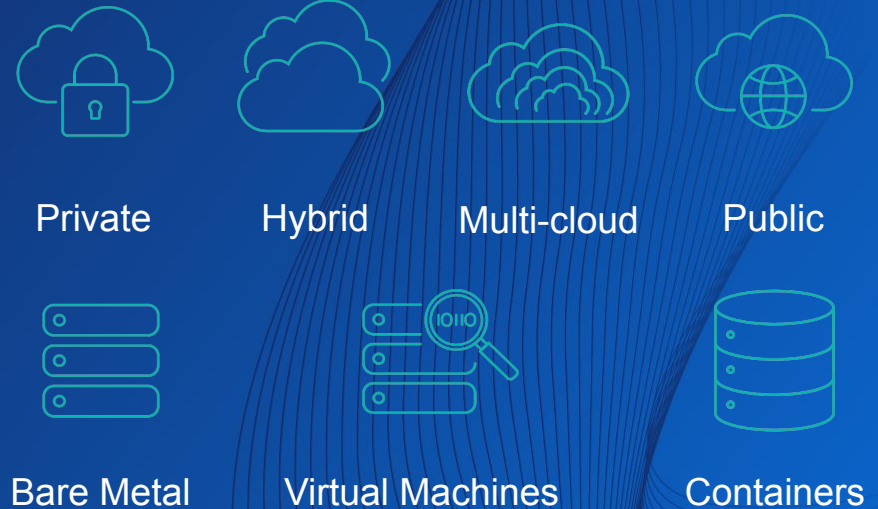


SUMMARY

ENABLING THE SAME POSTGRES EVERYWHERE

From self-managed to fully managed DBaaS in the cloud

- Same applications
- Faster innovation
- Performance and scalability
- Stability, security and control
- Seamless integration



THANK YOU!