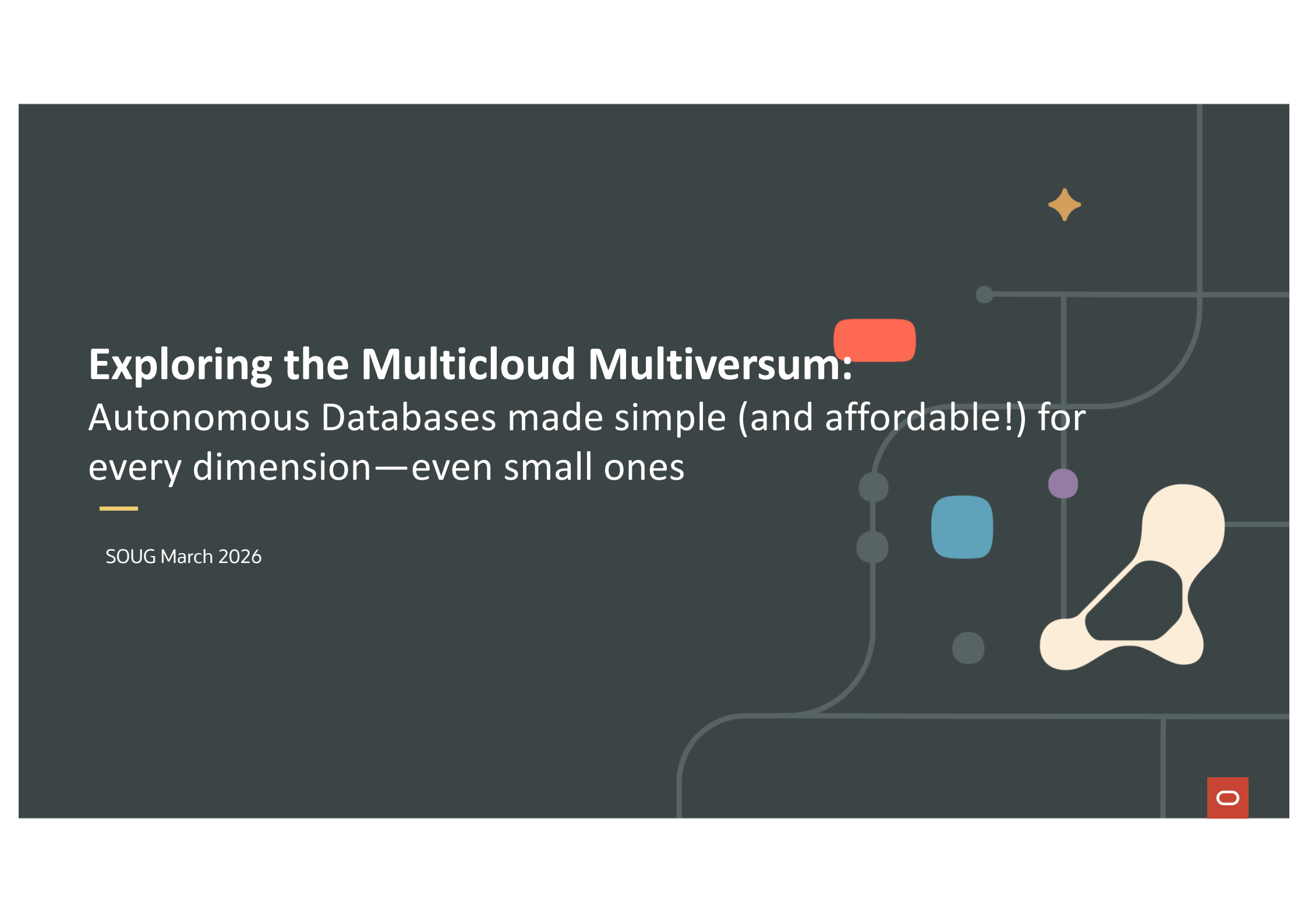




Exploring the Multicloud Multiversum:

Autonomous Databases made simple (and affordable!) for every dimension—even small ones

—
SOUG March 2026

Safe harbor statement

The following is intended to outline our general product direction. It is intended for information purposes only, and may not be incorporated into any contract. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions. The development, release, timing, and pricing of any features or functionality described for Oracle's products may change and remains at the sole discretion of Oracle Corporation.

Agenda

- Why Autonomous?
- Where Autonomous Runs
- How we make sizing estimations
- Deployment choices for Autonomous
- Licensing & Cost Model
- Preparing for Migration



Who am I

Call me Soy

Professionally

- ❖ Account Cloud Engineer @ Oracle (CH)
- ❖ Working at the intersection of Databases, Exadata, Autonomous & Multicloud
- ❖ Moving between on-prem reality and cloud transformation

Personally

- ❖ Swiss–Turkish heritage
- ❖ Design & structure mindset
- ❖ Former bartender in my 20s

What I am really good at

- ❖ Listening first
- ❖ Keeping things simple
- ❖ Delivering under pressure



Soyhan Parlar, 35
Zürich, Switzerland

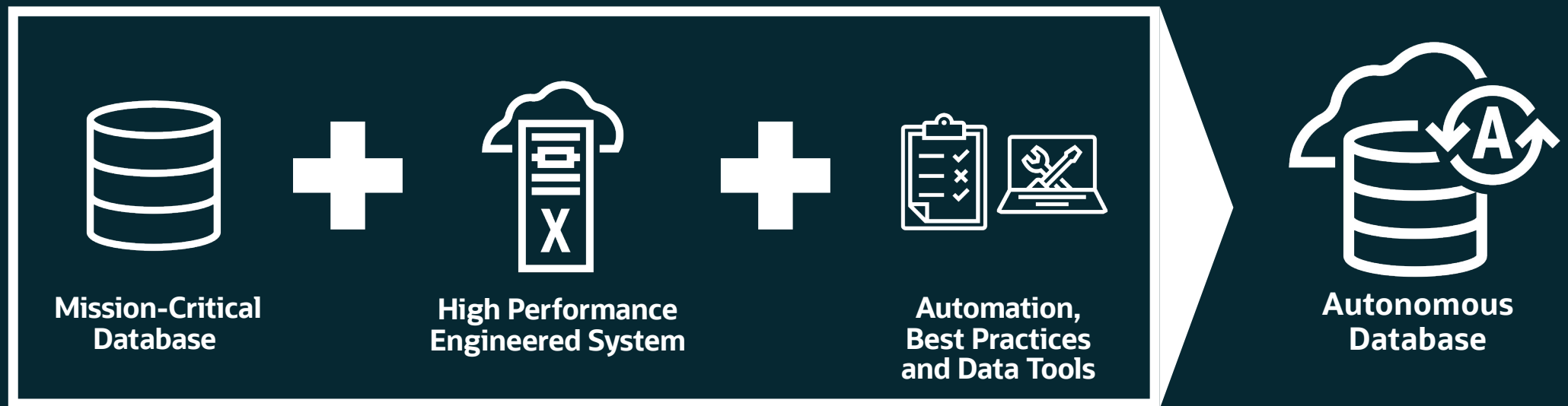
<https://www.linkedin.com/in/soyhanparlar/> |
soyhan.parlar@oracle.com

Autonomous Database – we already know it!

Autonomous AI Database was
released in 2018

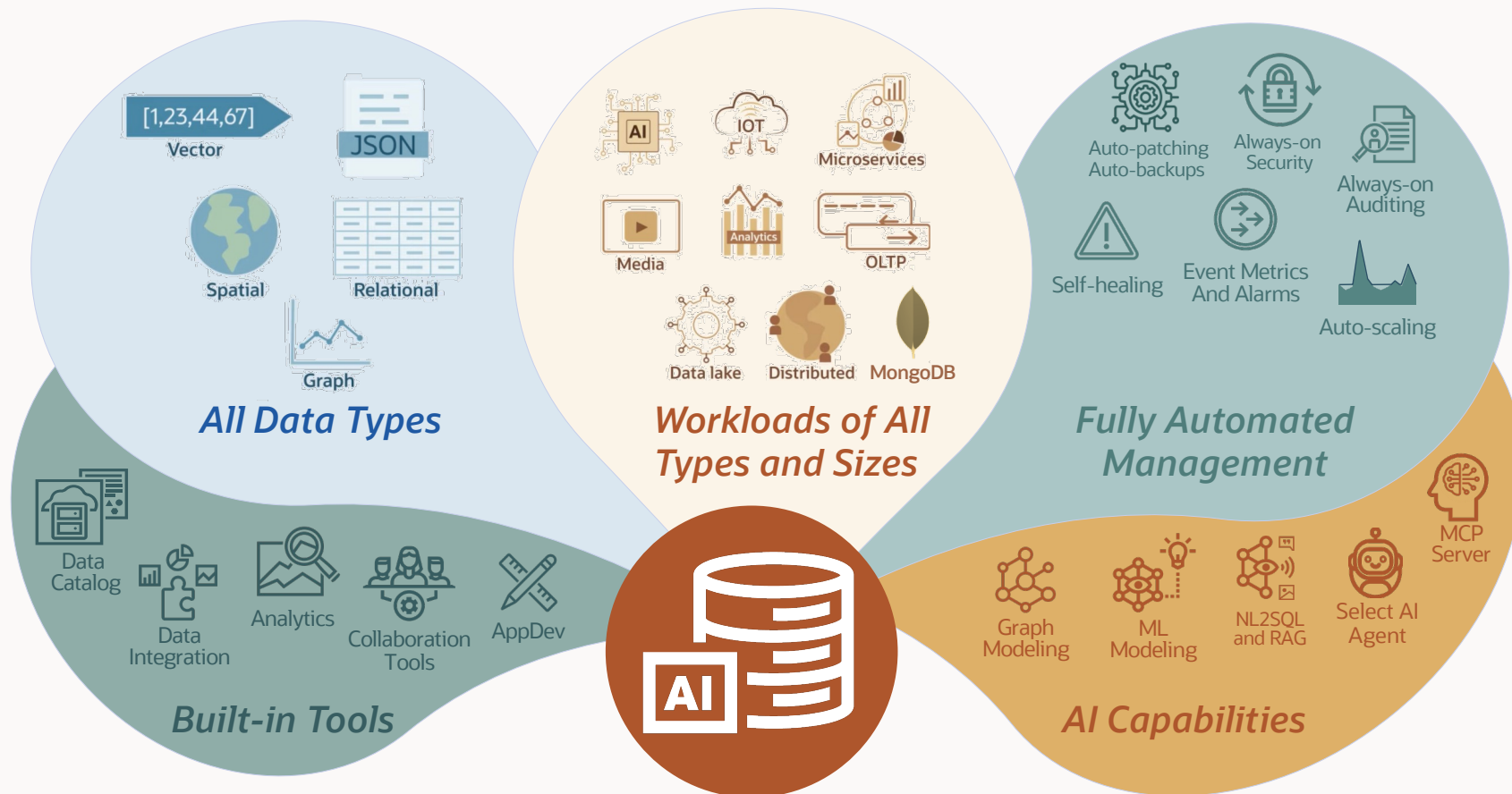


Oracle Autonomous Database delivers the best data experience



What is Oracle Autonomous AI Database?

Modern, fully-managed, cloud-native, AI-enhanced data platform that automates data management.



Autonomous Database is always **available**, always **fast**, always **secure**

Focus on working with data – not managing infrastructure



Automatic Tuning

Auto-Indexing, Auto-Partitioning tunes database performance for the developer



Automatic Scaling

Up to 3X automatic, elastic scaling helps you avoid overprovisioning resources.



Automatic Updating

Automatic online rolling patching and updating with configurable scheduling.



Automatic Provisioning

Automatic deployment of new database architectures without additional DBA work – Support Dev/Ops cycles.



Automatic Encryption

Native, built-in data protection that meets organizational security requirements without code complexity.



Automatic Configuration

Built-in best practices for specific workloads and native application connection services for HA, parallelism, request prioritization .

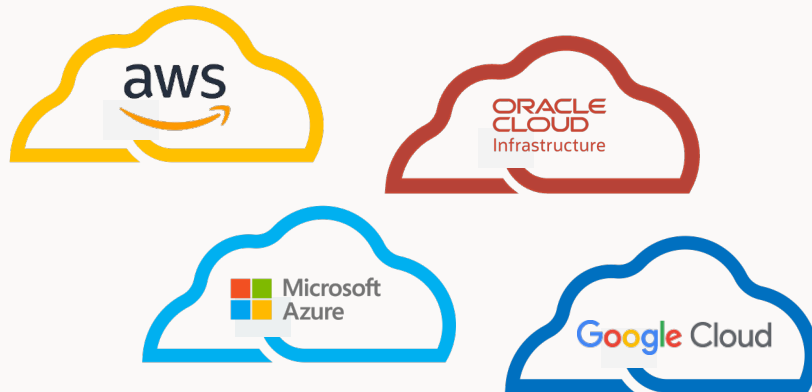
And yet we hear...

- ❖ „Autonomous Database is available only on OCI“
- ❖ „We have a defined cloud strategy without OCI“
- ❖ „Onboarding a new Hyperscaler is tied with cost“
- ❖ „Applications and Database have to be close to each other“

The database itself was never the issue — everything around it was.

Now you can run Oracle Database, as a service, *anywhere*

Run in any hyperscale public cloud



Run as a cloud service on-premises



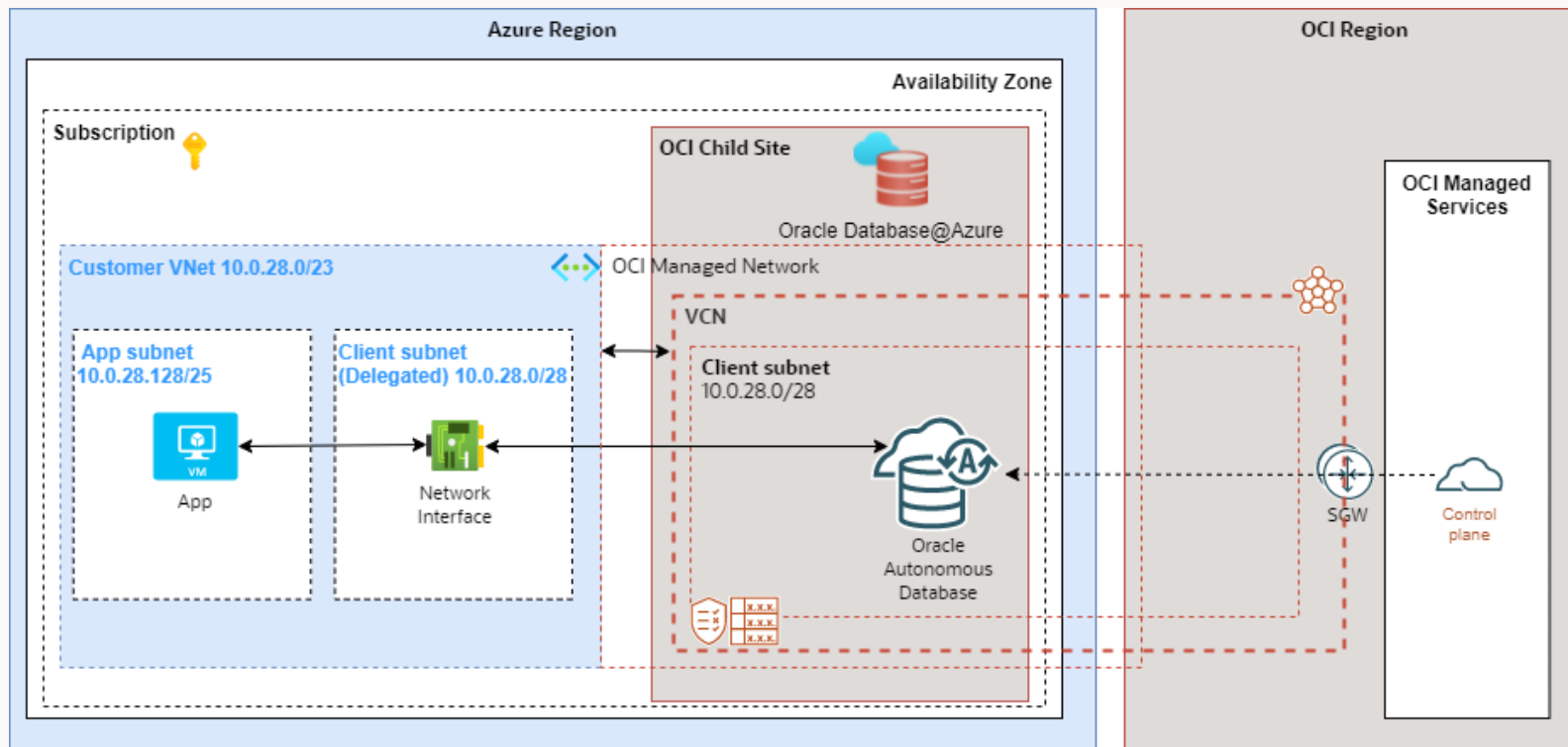
OCI Dedicated Region



Exadata Cloud@Customer

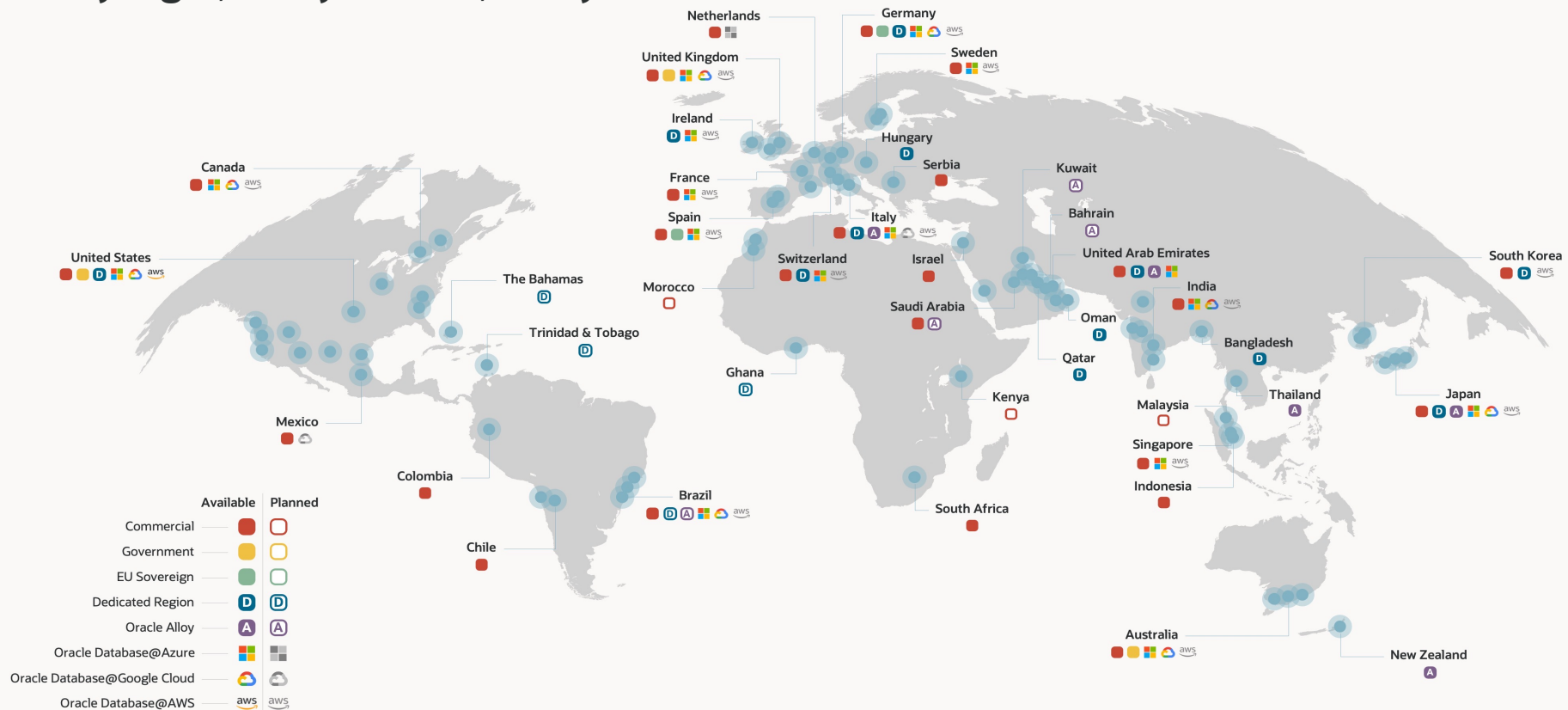
Same Database. Same Features. Same Pricing.

Autonomous AI Database Serverless – Single AZ Architecture



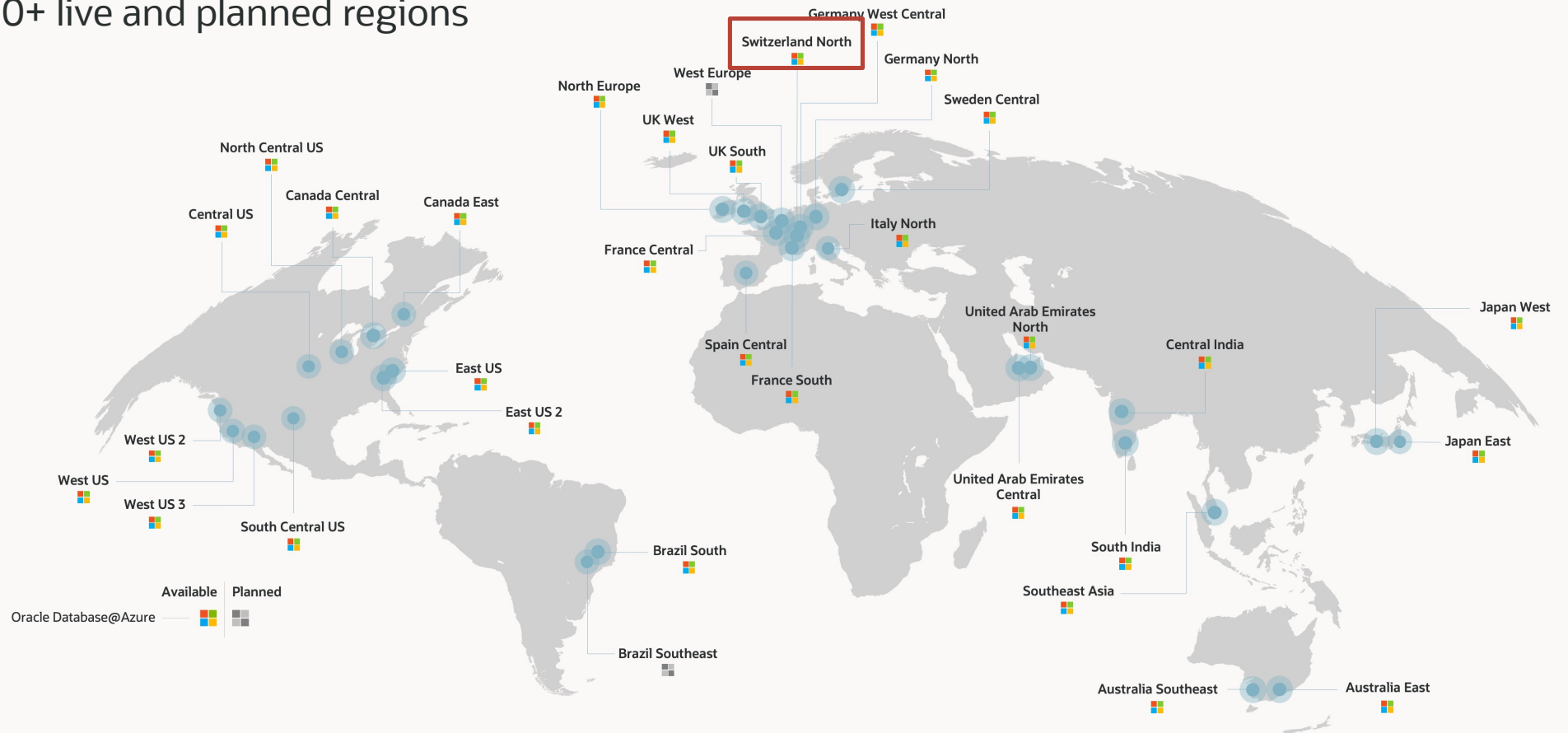
Oracle Cloud Infrastructure **runs on Autonomous AI Database**

- Autonomous Database is built into the foundation of every OCI Data Center
- Every login, every API call, every console action on OCI relies on Autonomous Database



Oracle Database@Azure

30+ live and planned regions

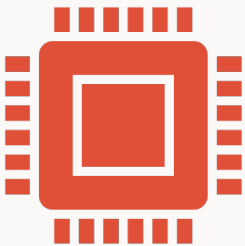
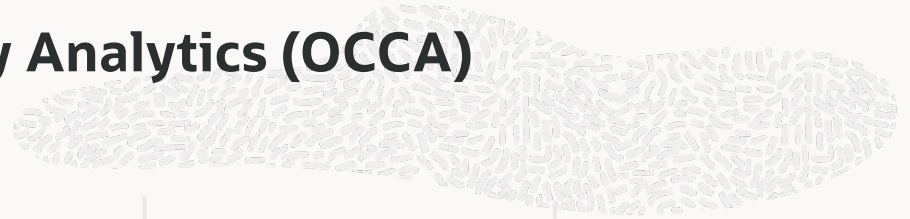


Compute Units in the Cloud: OCPU, vCPU & ECPU

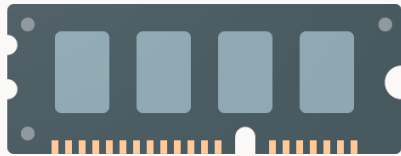
Level	Compute Unit	Relation
Hardware	CPU Core	1 Core
Hardware	Thread	2 Threads per Core
Cloud (other hyperscaler)	vCPU	1 vCPU = 1 Thread
Oracle Cloud	OCPU	1 OCPU = 1 Core = 2 vCPU
Autonomous DB	ECPU	4 ECPU $\approx$ 1 OCPU

Sizing Estimation - Oracle Cloud Capacity Analytics (OCCA)

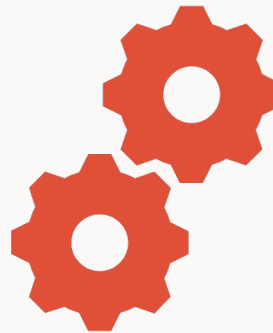
Measuring What Databases Really Need



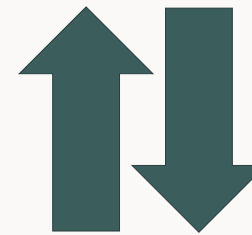
CPU



Memory
(SGA/PGA)



Processes
(Sessions/PQ Workers)



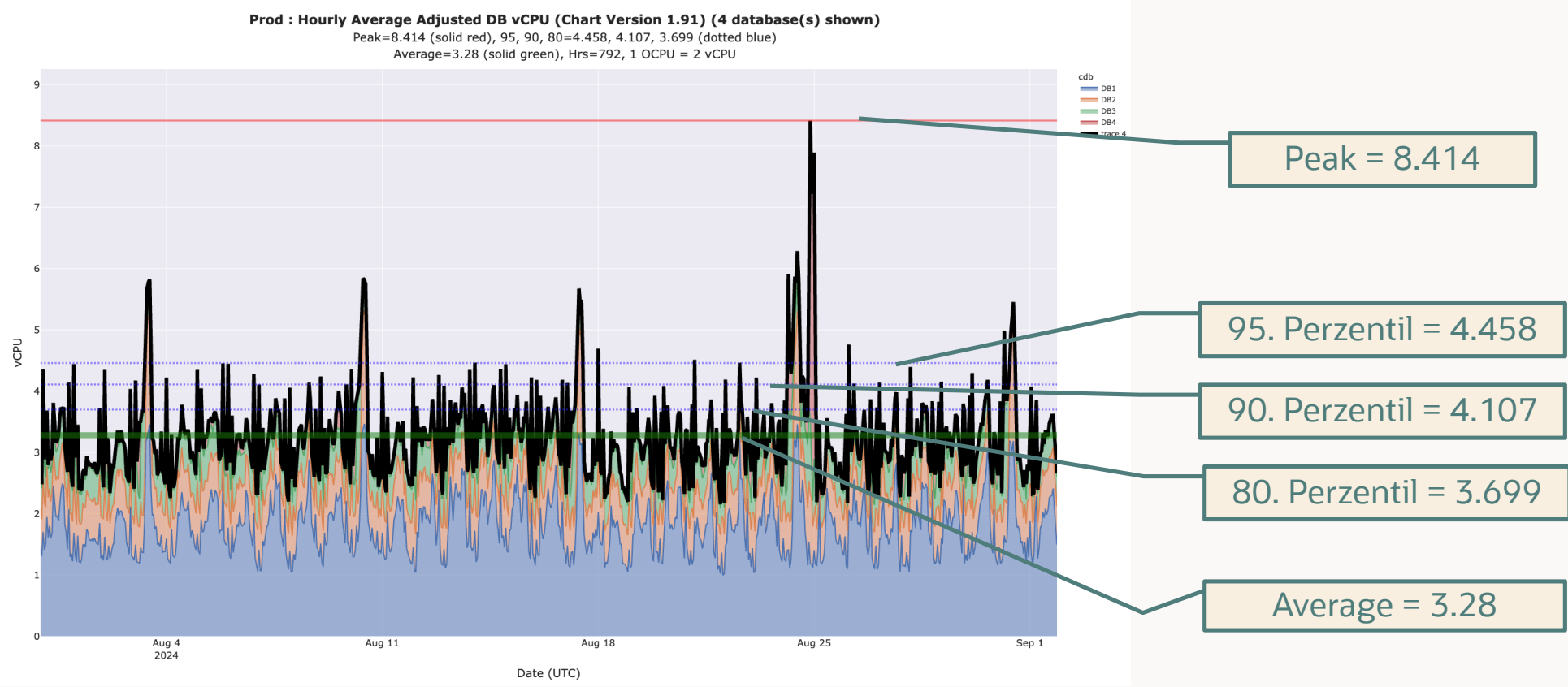
I/O



Storage

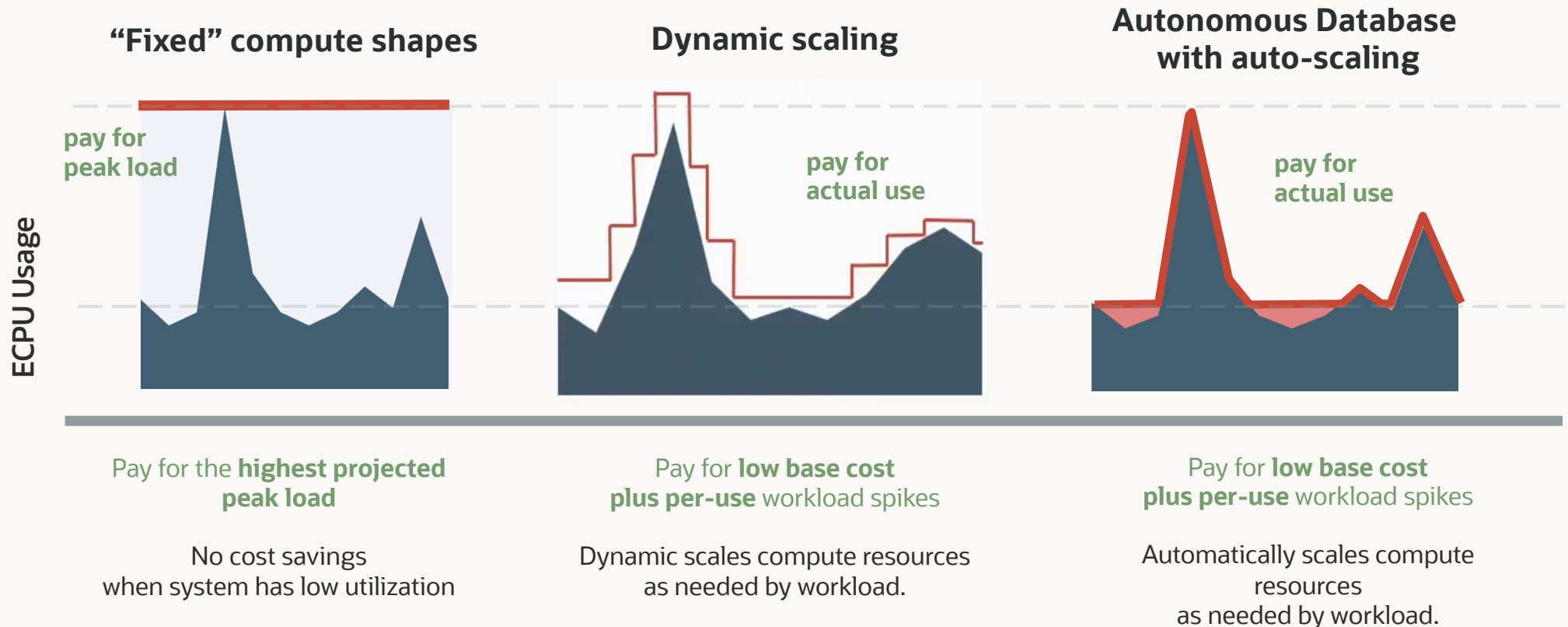


Consolidated vCPU Consumption

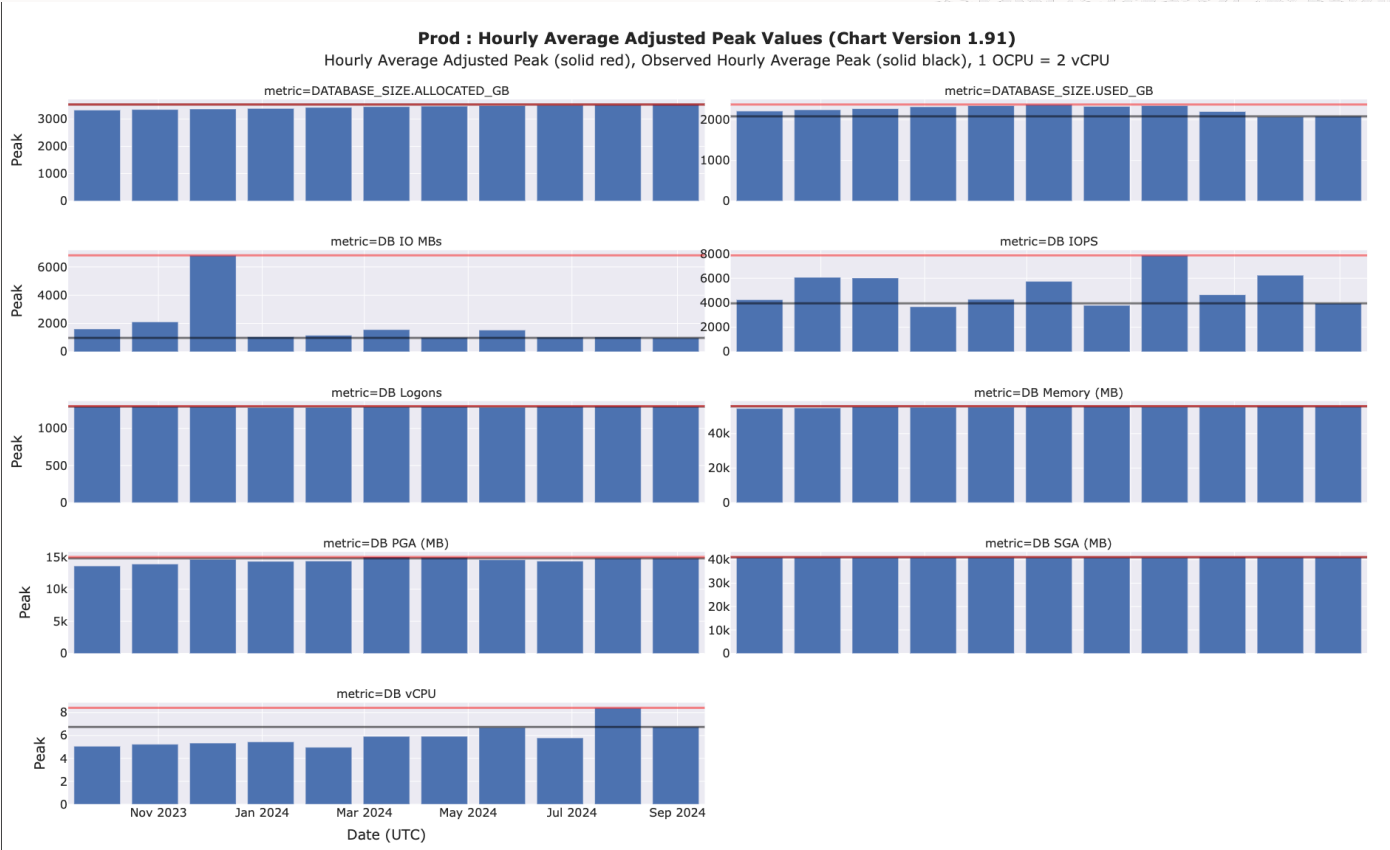


Lower costs with elastic resources and pay-for-use billing

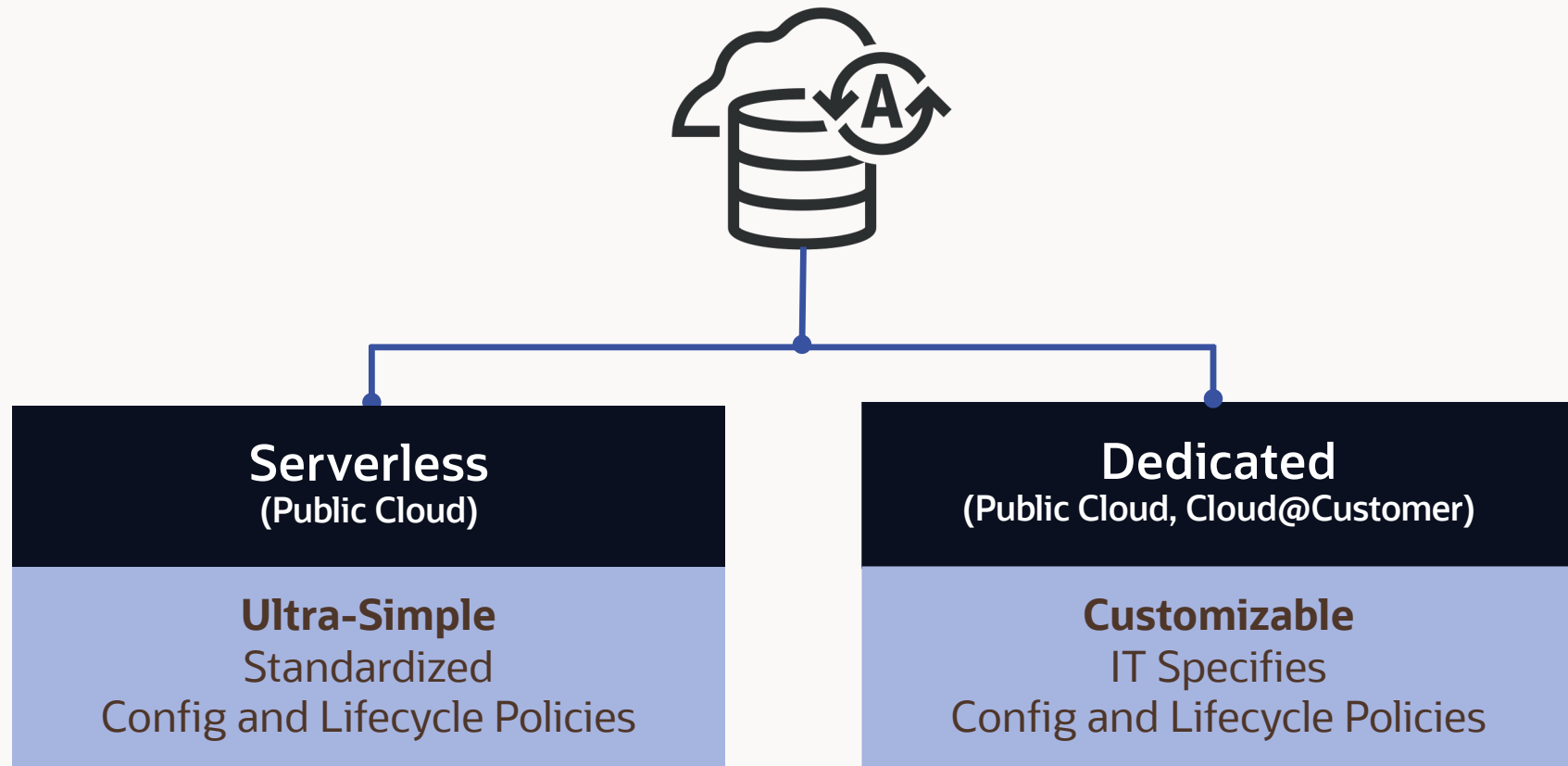
Comparing fixed compute shapes to auto-scaling



Adjusting to Prior Peaks (seasonality)



One Autonomous Database – Two Deployment Choices



Choice of Licensing Models for Maximum Value

1. License Included

Ideal for organizations seeking to build new applications or expand functionality

Includes Exadata System Software, Oracle DB Options & Management Packs
at one low price

Pay-per-use pricing for ECPU, all paid with Universal Cloud Credits (UCC)



**Oracle DB Software +
all Enterprise Edition Extreme Performance Options**

2. Bring Your Own License (BYOL)

Ideal for organizations migrating current workloads

Utilize **existing on-premises licenses** and save on software support

Includes Exadata System Software, in-memory columnar caching for storage servers, TDE, Data Safe, Machine Learning, and select DB management packs **at no additional cost**



On-Prem Licenses



Using Autonomous Database with Standard Edition (2)

Why this matters for SMB



**Autonomous
Database**

Today (SE / OnPrem)

- ❖ Standard Edition
- ❖ Commodity hardware
- ❖ Fixed costs
- ❖ Full stack operations
- ❖ No encryption



Tomorrow (Autonomous)

- ❖ Enterprise Edition features included
- ❖ Exadata technology
- ❖ Pay on consumption
- ❖ Operated by Oracle
- ❖ Transparent Data Encryption
- ❖ High Availability
- ❖ Data Guard
- ❖ Automated backup

Cost & licensing made understandable

Converting SE Licenses to ECPUs (Simplified)

On-Prem SE	BYOL Cloud Service Equivalent
1 Standard Edition (SE) Processor	16 ECPUs
10 Named User Plus (NUP)	8 ECPUs
Maximum per SE2 Database / Instance	32 ECPUs

A customer with, for example, **2 SE2 Processor licenses** can run a cloud instance up to **32 ECPUs** — which is sufficient for many SMB workloads.



Cost & licensing made understandable

Example: Pooling SE licenses and allocating Autonomous ECPUs

1. Inventory Your Standard Edition (SE) Licenses

Licenses	Metric
8	Processor Licenses
130	Named User Plus

2. Convert to Cloud Compute (BYOL Rules)

Licenses	Metric	Conversion	ADB ECPUs
8	Processor Licenses	× 16	128
130	Named User Plus	× 0.8	104

Total Entitlement: 232 ECPUs
(for BYOL Cloud Services / Autonomous)

3. Allocate ECPUs Across Autonomous Databases

For example:

- 30 ECPUs for Production
- 5 ECPUs for Analytics sandboxes
- Max ECPU per instance: 32 ECPU
- Max ECPU baseline with autoscaling enabled: 10 ECPU

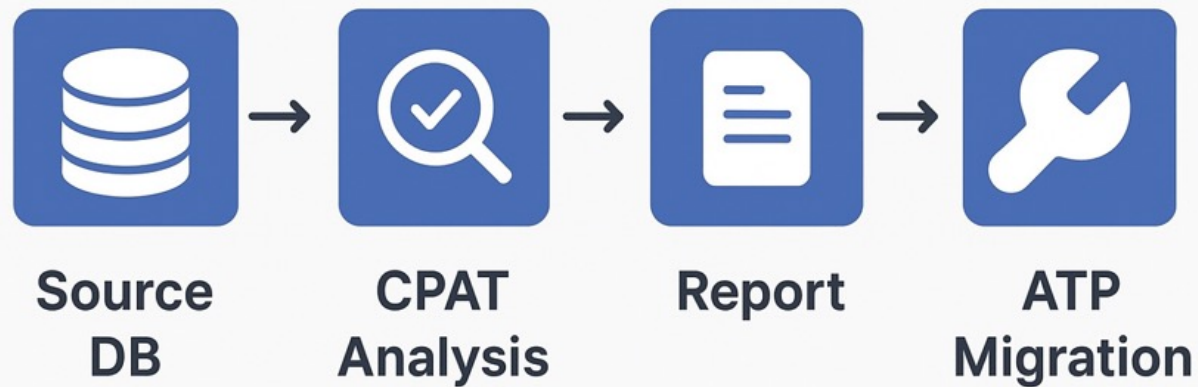
Key Message

SE licenses become an **ECPU pool** that can be flexibly distributed across multiple Autonomous databases.

Cloud Premigration Advisor Tool - CPAT

What is CPAT?

CPAT Workflow



Cloud Premigration Advisor Tool (CPAT) Report

ORACLE

Thu Apr 25 17:25:03 CEST 2024

Cloud Premigration Advisor Tool (CPAT) Report

CPAT Version: 24.1.0

Version Date: Mar 26, 2024

Days Since Last CPAT Update: NaN days

Table of Contents

- [Premigration Advisor Report Summary](#)
- [Report Details](#)
- [Report Analysis Notes](#)
- [Source Database Details](#)
- [Source Database Version Information](#)
- [Source Database Patch Information](#)
- [Premigration Advisor Check Details List](#)
- [Report Legend](#)

Expand All

Close All

>	Premigration Advisor Report Summary
>	Report Details
>	Report Analysis Notes
>	Source Database Details
>	Source Database Version Information
>	Source Database Patch Information
>	Premigration Advisor Check Details List
>	Report Legend



Cloud Premigration Advisor Tool (CPAT) Report

~ Premigration Advisor Report Summary

Report Result

Action Required

Number of schemas analyzed:

134

List of schemas analyzed:

~ Report Results Overview

Source Database		Target Database		Migration Method		Additional Tasks	
Action Required	1	Action Required	3	Action Required	1	Action Required	0
Review Required	2	Review Required	4	Review Required	0	Review Required	0
Review Suggested	2	Review Suggested	1	Review Suggested	0	Review Suggested	2
Passed	8	Passed	14	Passed	0	Passed	10

[Return to Table of Contents](#)



Details for each check includes

✓ Premigration Advisor Check Details List

Source Database

Expand AllClose All

✓ Action Required (1 check)

✓ User Defined Objects in SYS/SYSTEM

Description: User-defined objects in SYS and SYSTEM schemas will not migrate.

Action: Move required user-defined objects in SYS and SYSTEM schemas prior to migration and update any hardcoded references to those objects. Consider dropping any user-defined objects that are no longer required.

More Details

✓ Relevant Objects (4 relevant objects)

OWNER	OBJECT_NAME	SUBOBJECT_NAME	OBJECT_TYPE
SYS	PURGE_AUDIT_TRAIL		JOB
SYS	AUDIT_PURGE		PROCEDURE
SYS	SPERRORLOG		TABLE
SYS	DG_SERVICE		TRIGGER

Autonomous AI
Database was released
in 2018

Today it powers 1000s
of global enterprises for
both OLTP and analytic
workloads

accenture

Adventist Health

BELLEVUE
UNIVERSITY

BSI
BANK SYARIAH
INDONESIA

CERN
openlab

certegy

DXC
TECHNOLOGY

experian

FedEx

G6

GENERALI

Great Eastern
A member of the OCBC Group

KDDI

Keio

lyft

MACOM
INNOVATE TO EXCEL

Maine.gov

MESTEC
MANUFACTURING PERFORMANCE. REDEFINED.

MARS
Veterinary Health

minesense

NATIONAL
PHARMACIES

NEC

OUTFRONT

Premier
League

retraced

Royal Flying Doctor Service

SAIL GP

SATLOG
AutoControlling

Schneider
Electric

SOUNDERS FC

SIEMENS

SKY

THOMSON REUTERS

vodafone

WILSON
TRUCK LINES

xerox

ZEBRA

Oracle Autonomous AI Database

Run AI and analytics securely on all your data without lock-in

Multicloud



Runs everywhere

AI for all your data



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Get started today!

- Try Autonomous AI Database for free
- Watch demos
- Learn with self-service workshops
- Keep up with the latest news



oracle.com/autonomous-database/get-started/

A screenshot of the Oracle Autonomous AI Database website. The header features the OCI logo and navigation links: About, Services, Solutions, Pricing, Partners, Resources. A search bar and a 'Sign in to Oracle Cloud' button are on the right. The main heading is 'Getting started with Oracle Autonomous AI Database', followed by a button 'Try Autonomous AI Database for free'. Below this is a navigation bar with 'Overview', 'Features', 'Pricing', and 'Get started' (which is highlighted). The main content area has three columns. The first column is titled 'ORACLE Autonomous AI Lakehouse' and describes its interoperable data access across multicloud environments, with a 'Read the announcement' button. The second column is titled 'Lakehouse Without Compromises: Oracle Autonomous AI Lakehouse with Apache Iceberg Support' and includes a 'Register today' button. The third column is titled 'Oracle named a Leader in the IDC MarketScape: Worldwide Analytical Databases 2025-2026 Vendor Assessment' and includes an 'Access the IDC report' button. Below this is a section titled 'Oracle Autonomous AI Database resources' with three sub-sections: 'Try for free' (with a 'Develop for free' button), 'LiveLabs' (with a 'Get hands-on experience' button), and 'Insider blog' (with a 'Learn about Autonomous AI Database' button).



The background is a dark navy blue with a fine, grainy texture. In the top left corner, there is a stylized illustration of a hand in a light beige color, with its fingers spread. A blue fingerprint pattern is overlaid on the palm area. In the bottom right corner, there are more abstract shapes in beige and blue, also featuring fingerprint patterns. A small red square with a white 'O' logo is located in the bottom right corner.

Our mission is to help people see data in
new ways, discover insights, unlock endless
possibilities...