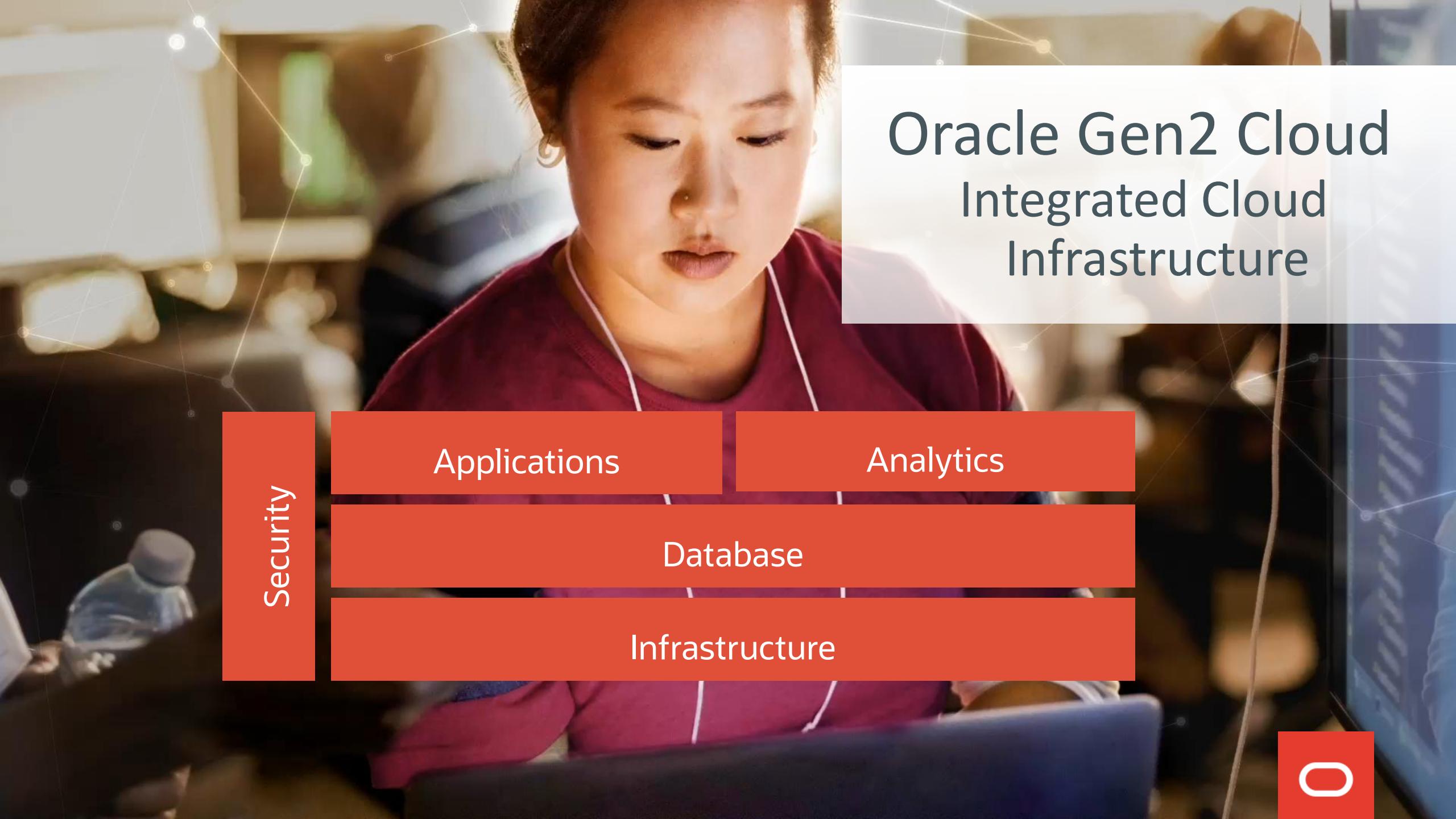




Oracle Generation 2 Cloud – A True Enterprise Cloud

Andrew Sutherland

Senior Vice President



Oracle Gen2 Cloud

Integrated Cloud Infrastructure

Security

Applications

Analytics

Database

Infrastructure

O



Architected for
the Enterprise

O

Oracle Gen 2 Cloud Infrastructure

Second generation cloud;
foundation for Autonomous
and Oracle Cloud Services

HIGH PERFORMANCE COMPUTE AND SCALE

GOVERNANCE, CONTROL AND SECURITY

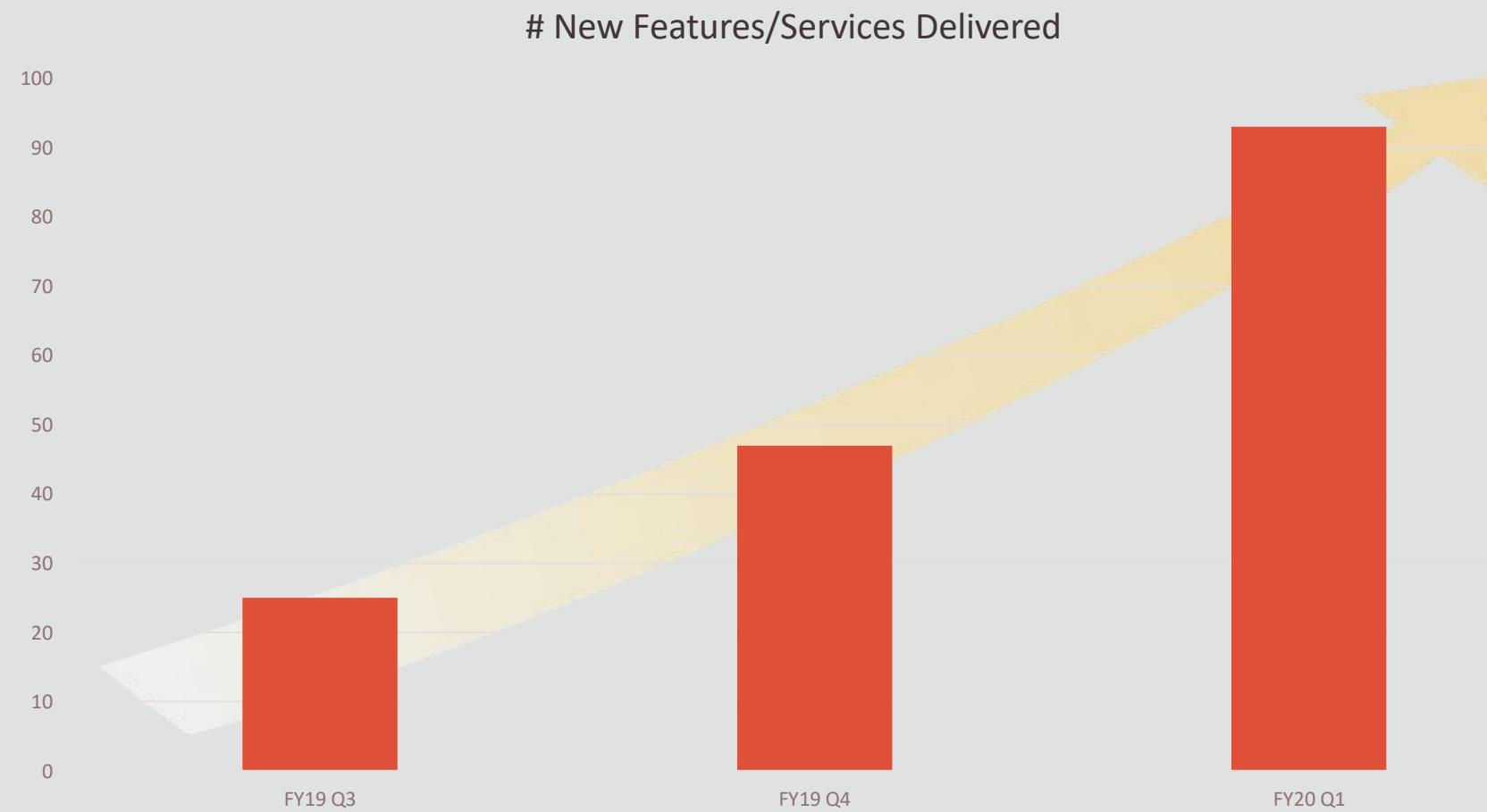
SIMPLE MIGRATIONS, RUN ALL WORKLOADS

OPEN INTEROPERABILITY AND MULTI-CLOUD

REGIONAL AVAILABILITY AND DR LEADERSHIP



Rapidly Accelerating Pace of Innovation



The Complete, No-Compromise Cloud Built for Enterprise

By End of CY 2020

Partner Ecosystem



Next Layer Services

Dev Ops

- Cloud Shell
- Dev Tools & Events
- Resource Manager

Big Data & Analytics

- Big Data / Data Science
- Data Integration / Data Catalog
- Streaming / Data Flow

Container Ecosystem

- API Gateway
- Events / Functions
- K8S / Container Registry

Hybrid Services

- Dedicated Regions
- Azure Interconnect
- Exadata Cloud@Customer

Migration / Hybrid

- VMware Solution
- Data Migration
- Identity (AD, SSO, LDAP)

Data Services

DBaaS

- VM and Bare Metal

ATP

- Dedicated and Serverless

ADW

- Autonomous Data Warehouse

ExaCS

- Exadata Cloud Service

Analytics

- Oracle Analytics Cloud

Core Services

Compute

- Bare Metal
- VMs / Dedicated VMs
- GPU shapes
- High frequency CPUs
- Autonomous Linux

Storage

- Block
- Object
- Object Archive
- File
- Import Appliance
- Storage Gateway

Networking

- VCN
- Cluster Networking
- Load Balancer
- Service Gateway
- FastConnect w/IPSec
- DNS

Security

- KMS / Virtual Vaults
- Policy / Data Safe
- Identity / Secrets Mgmt
- CASB / Cloud Guard
- WAF
- DDoS

Governance and Management

- Compartments & Tags
- Monitoring / Logging
- Audit
- Email / Notifications
- Cost Management

Regions

Phoenix	Ashburn	Toronto	UK/Gov	Frankfurt	Israel/Gov	Dubai	Jeddah	Tokyo	Seoul	Mumbai	Sydney	Sao Paolo	Chile
Bay Area	US Gov	Montreal	Amsterdam	Zurich	S. Africa	UAE 2	Saudi Arabia 2	Osaka	Chuncheon	Hyderabad	Melbourne	Singapore	Belo Horizonte



Oracle Cloud Infrastructure Global Footprint

Today's 16+ Hyperscale Regions 25 AWS Regions



Oracle Gen2 Cloud: Security

Our Most Fundamental Responsibility is to Protect Our Customers' Security and Data

Being secure requires that systems are always patched, up to date, 100%, ASAP

Oracle Autonomous Linux is fully automated

Automatic online patching and updating

Automatic security monitoring and remediation

Autonomous Linux – Ksplice Live Patching Reporting

Bare Metal Isolation – Dedicated Physical Hosts

Oracle Gen2 Cloud: Security

Our Most Fundamental Responsibility is to Protect Our Customers' Security and Data

Data is the crown jewel of any business

Nothing is more important than
Database Security

Oracle Autonomous Database is 100%
automated, always patched, always up
to date

No human labor, no human error

Autonomous Database – Self Patching Automated

Autonomous Linux – Ksplice Live Patching Reporting

Bare Metal Isolation – Dedicated Physical Hosts

Oracle Gen2 Cloud: Security

Our Most Fundamental Responsibility is to Protect Our Customers' Security and Data

Security needs to be simple, on by default, and for the most important things, mandatory

Resources launched in a Maximum Security Zone are always on dedicated infrastructure, with the highest levels of data encryption and network security

Always on, not optional

Maximum Security Zone – Most Secure Mandatory

Autonomous Database – Self Patching Automated

Autonomous Linux – Ksplice Live Patching Reporting

Bare Metal Isolation – Dedicated Physical Hosts

Oracle Gen2 Cloud: Security

Our Most Fundamental Responsibility is to Protect Our Customers' Security and Data

Oracle Cloud Guard constantly watches and collects data from Audit, Data Safe, OS Management, Logging, and Network Flow Logs services

It analyzes data, detects threats and misconfigurations. It can alert you, and better yet, will kill threats with no human intervention

Cloud Guard – Scans Kills Threats Automated

Maximum Security Zone – Most Secure Mandatory

Autonomous Database – Self Patching Automated

Autonomous Linux – Ksplice Live Patching Reporting

Bare Metal Isolation – Dedicated Physical Hosts

Oracle Gen2 Cloud: Infrastructure

Oracle Cloud Offers the Best Performance Per Server



	ORACLE Cloud Infrastructure	AWS	Oracle offers
Compute	2.57 TFLOPs	1.77 TFLOPs	45% more
Memory	153.02 GB/s	134.03 GB/s	14% more
Block Storage	500,000 IOPS	80,000 IOPS	525% more



- Leverage existing investments in Oracle and Microsoft technology
- Connect best-in-class cloud services across both companies
- New expanded Regions to run your global applications and services

ORACLE® + VMware®

- Extend on-premise VMware environments to OCI
- Access to Autonomous Database and Exadata
- Lift-and-shift of VMware workloads to OCI

Intelligent Business Applications

Seamlessly connected applications that enable organizations and people to be more informed, productive and engaged

- Complete, integrated suite spanning every category
- Create modern experiences, improve performance
- AI to automate tasks and focus on innovation
- IoT, Bots and personalized UI transactions throughout

AI Business Applications



ERP CLOUD

Intelligent Financials

Automatically detects fraud via audit



SCM CLOUD

Supplier Recommendations

Categorize vendors to optimize terms



HCM CLOUD

Best Candidates

Find optimal candidates to reduce time-to-fill



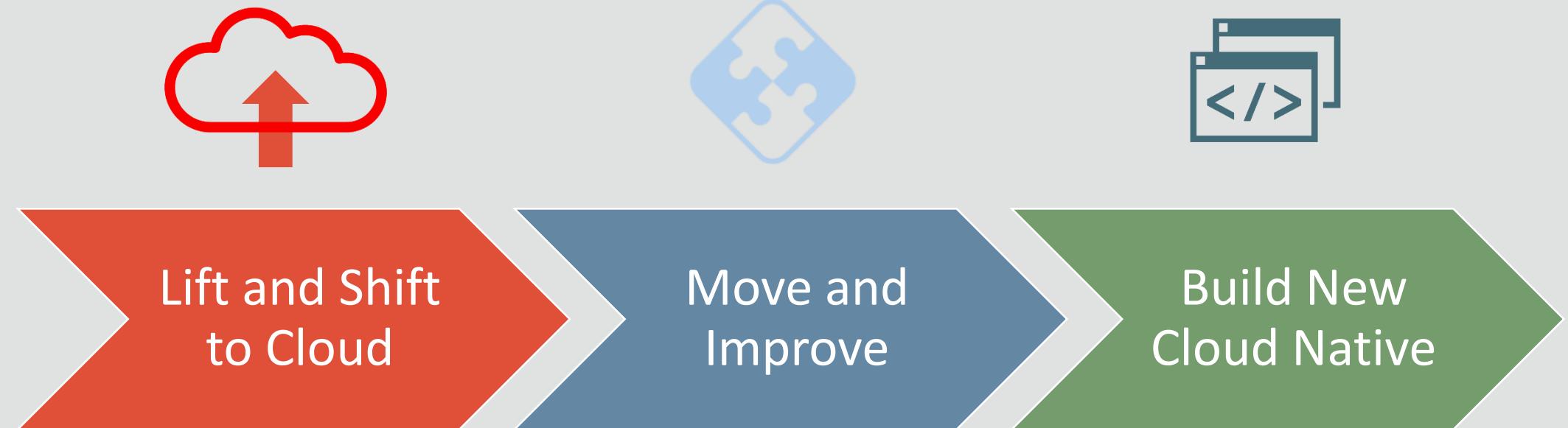
CX CLOUD

Next Best Offers

Personalized product recommendations



Bring your Present, Build your Future





Moved JD Edwards to OCI

- Leader in lawn care with over 200 branches throughout the U.S.
- Migrated JD Edwards and Database to OCI for greater reliability and support
- Increased performance to 0.07 second average response time (5x)
- >35% cost savings



**Time to deploy a cluster
had decreased from a
half day to 2 minutes**

- Less focus on maintenance, more on development
- Can move disaster recovery to the cloud
- Deploy WebLogic clusters in Oracle Cloud Infrastructure Container Engine for Kubernetes

ISV Marketplace With Integrated Billing

FORTINET

Couchbase
No EQUAL

H₂O.ai

aviatrix

SHIELDIO

blueprism

stromasys
legacy server emulator

A10

SCYLLA.

NETSCOUT

PYRAMID
ANALYTICS

sesame
SOFTWARE

CIS. Center for
Internet Security[®]

compellon[™]

Solution-Soft

AVI
Networks[®]

- **Try & buy** from an ecosystem of ISV applications
- **Use Universal Cloud Credits** to buy ISV applications
- **Simplify cost management** through consolidated billing
- **First line of support** for listed ISVs

Choice of Deployment



Exadata
on-premise



Exadata
Cloud Machine



Exadata
Cloud Service

Oracle Autonomous Database Strategy



Eliminate Complexity

Autonomous DB,
Autonomous Linux,
Converged Database



Most Secure

OS, Cloud, Database,
Integrated Blockchain, self-
patching, masking



Removes Limits

Fully elastic, free services,
cloud at customer, new cloud
region, Exadata X8M

Oracle Autonomous Database

Self-Driving

Automatically provision, monitor, scales, backup, recover and tune

Self-Securing

Automatically apply patches with no downtime; encrypts

Self-Repairing

Maximize availability; downtime <2.5 min/mon



Oracle Autonomous Database

Reduce Costs

Reduce admin costs up to 80%; dynamically adjust resources

Reduce Risks

Avoid breach, revenue loss, protect company value and operations

Innovation Focus

Shift resources to higher value tasks, accelerate productivity



ADW + Analytics

75%

of **Finance** time spent
in analytics by 2020

FINANCE

90%

of **Marketers** use data
to drive actions

MARKETING

66%

of time **Sales** enters
data, researching leads

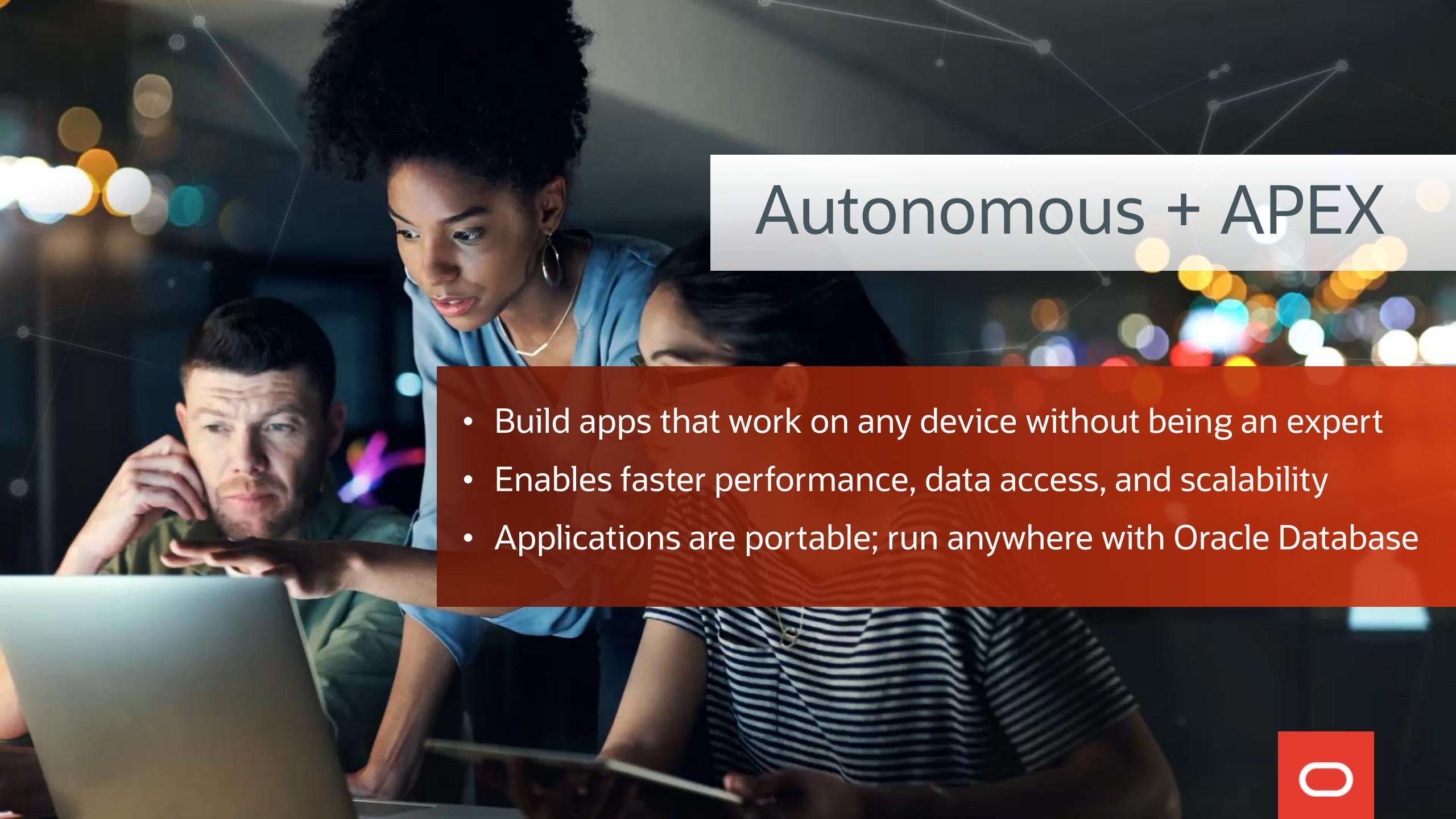
SALES

50X

growth in **HR** data
by 2020

HR

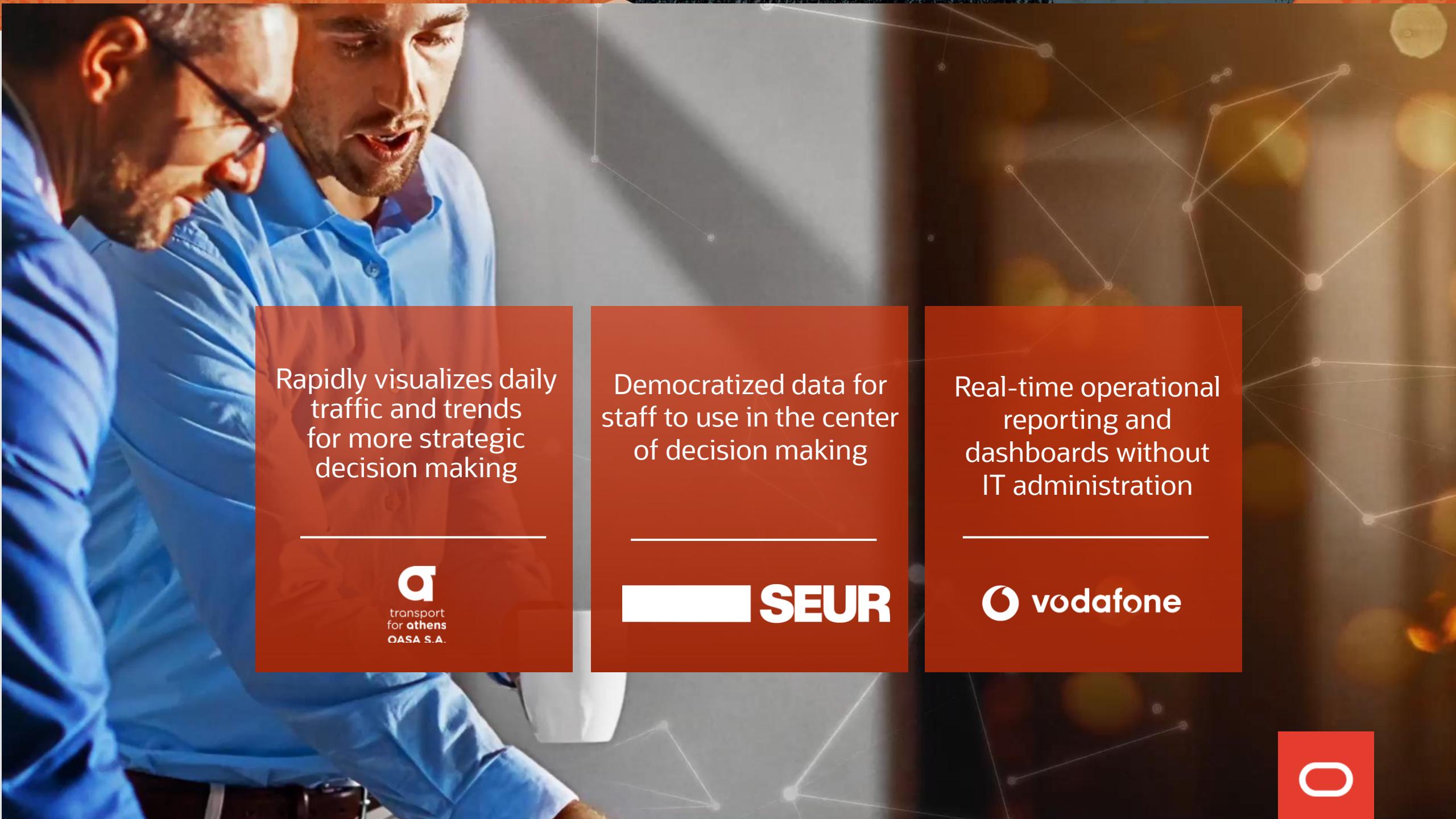
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A woman with dark curly hair, wearing a blue top, is pointing at a laptop screen with her right hand. A man with a beard and short hair, wearing a green shirt, is looking at the screen. They are in a dark room with a network of glowing blue and yellow dots in the background, suggesting a digital or network environment.

Autonomous + APEX

- Build apps that work on any device without being an expert
- Enables faster performance, data access, and scalability
- Applications are portable; run anywhere with Oracle Database





Rapidly visualizes daily traffic and trends for more strategic decision making



transport
for athens
OASA S.A.

Democratized data for staff to use in the center of decision making



Real-time operational reporting and dashboards without IT administration



Always Free – What's Included



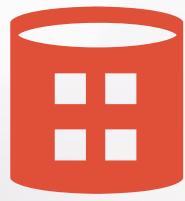
Autonomous Database

*2 x Databases
20 GB each*



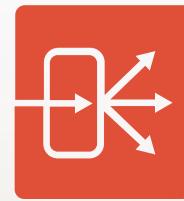
Compute

*2 x VMs
1 GB Memory each*



Storage

*100 GB Block
10 GB Object
10 GB Archive*



Networking/ Load Balancing

*10 Mbps LB
10 TB Outbound
Data Transfer*



Monitoring / Notifications

*500M Metrics Ingestion
1B Metrics Retrieval
1M Notifications
1K Emails*

Available to All New and Existing Cloud Accounts

Oracle Cloud Infrastructure

New Free Tier

Always Free

Services you can use for unlimited time



30-Day Free Trial

Free credits you can use for more services

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