

Why is OCI built for the Enterprise?

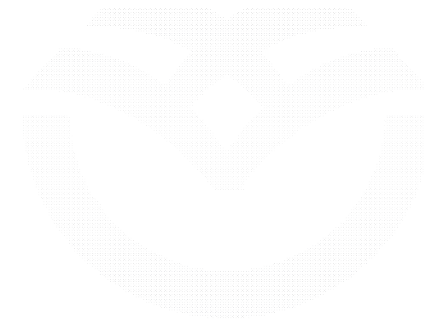


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June 20, 2018

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Agenda



- Introduction
- Moving Workloads to the Cloud
- OCI Differentiators
- Q&A/General Discussion

About the Presenter



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About Apps Associates

- **Who is Apps Associates:** Global IT Consulting Services provider
- **Headquarters:** Boston area
- **Number of Associates:** 850+
- **Number of Oracle ERP Cloud Projects (SaaS):** 30+
- **Number of Oracle EBS Customers on Cloud:** 40+
- **Partnerships with Oracle Development:** PaaS, IaaS, Rev Rec, SCM
- **Specializations:** Oracle Infrastructure as a Service, Oracle Management Cloud



Business Applications



Custom Dev & Integration



Analytics



Infrastructure & Cloud Services



Product Development



Specialized
Oracle Infrastructure
as a Service

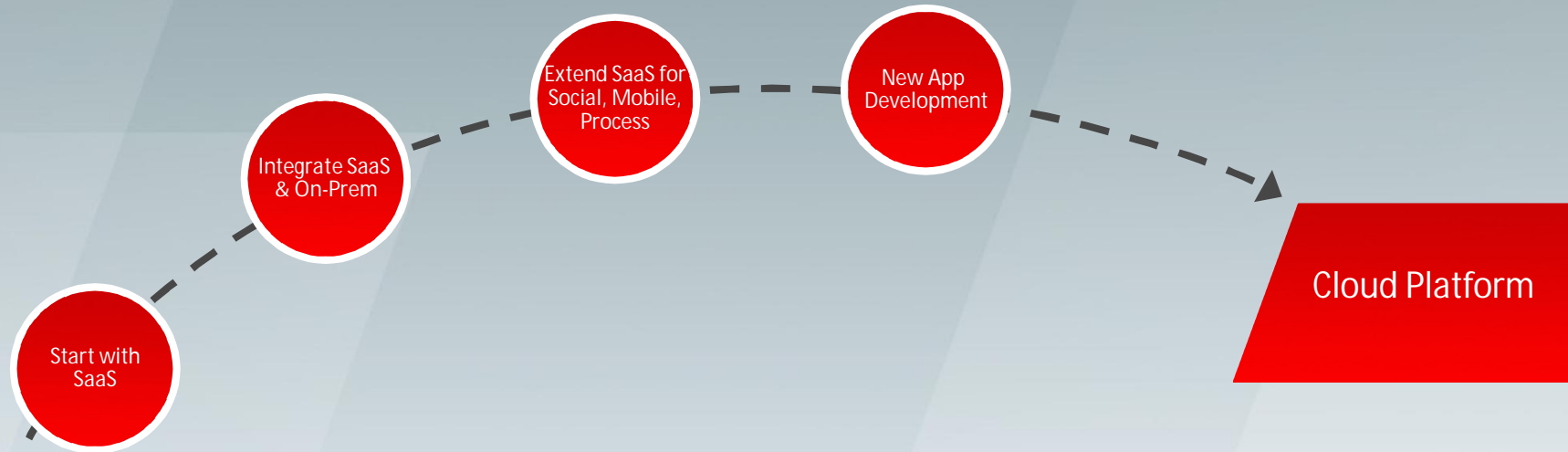


Specialized
Oracle Management Cloud

- 2016 & 2017 Winner of Oracle Excellence Award IaaS/PaaS



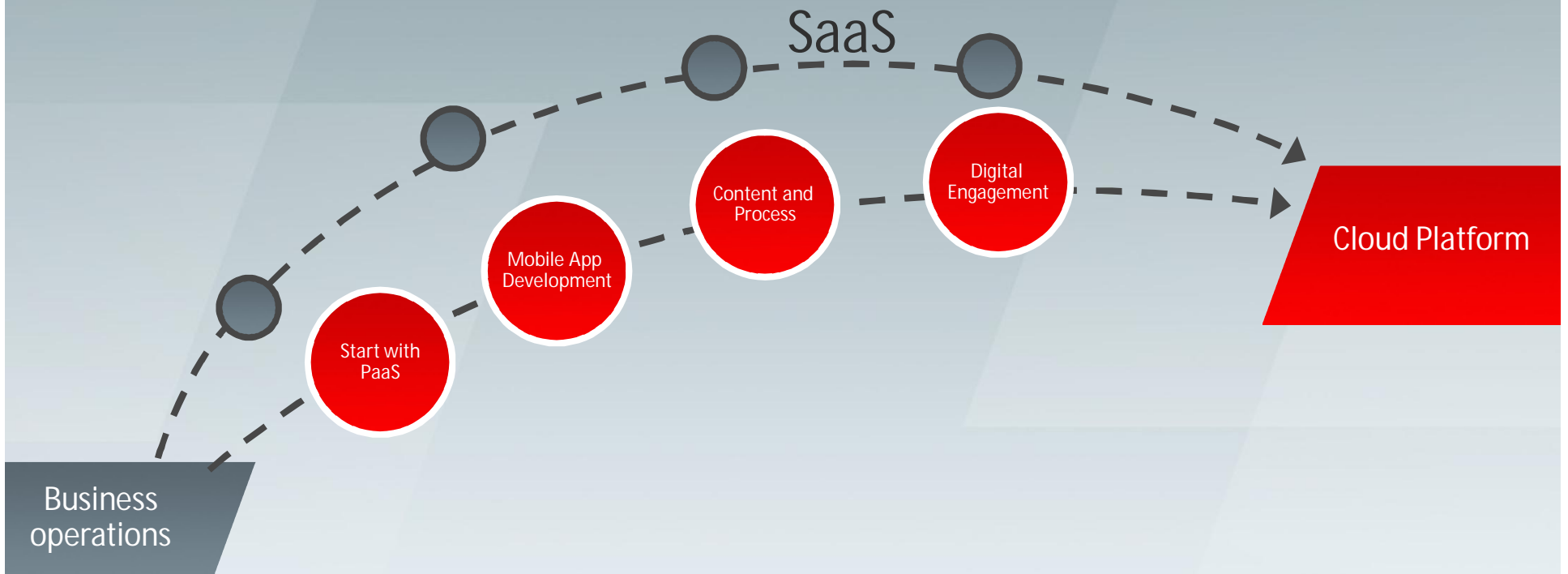
Each enterprise comes to the cloud in its own way



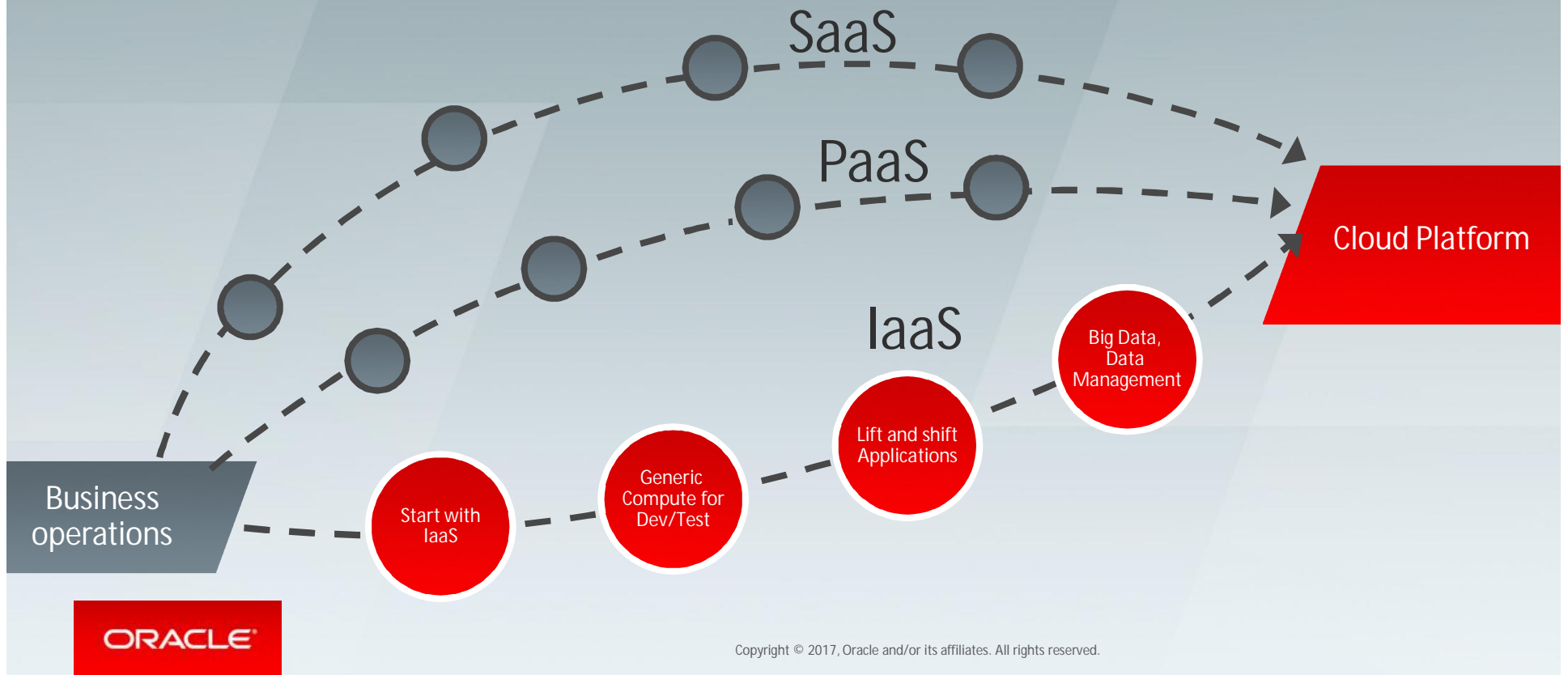
Business operations



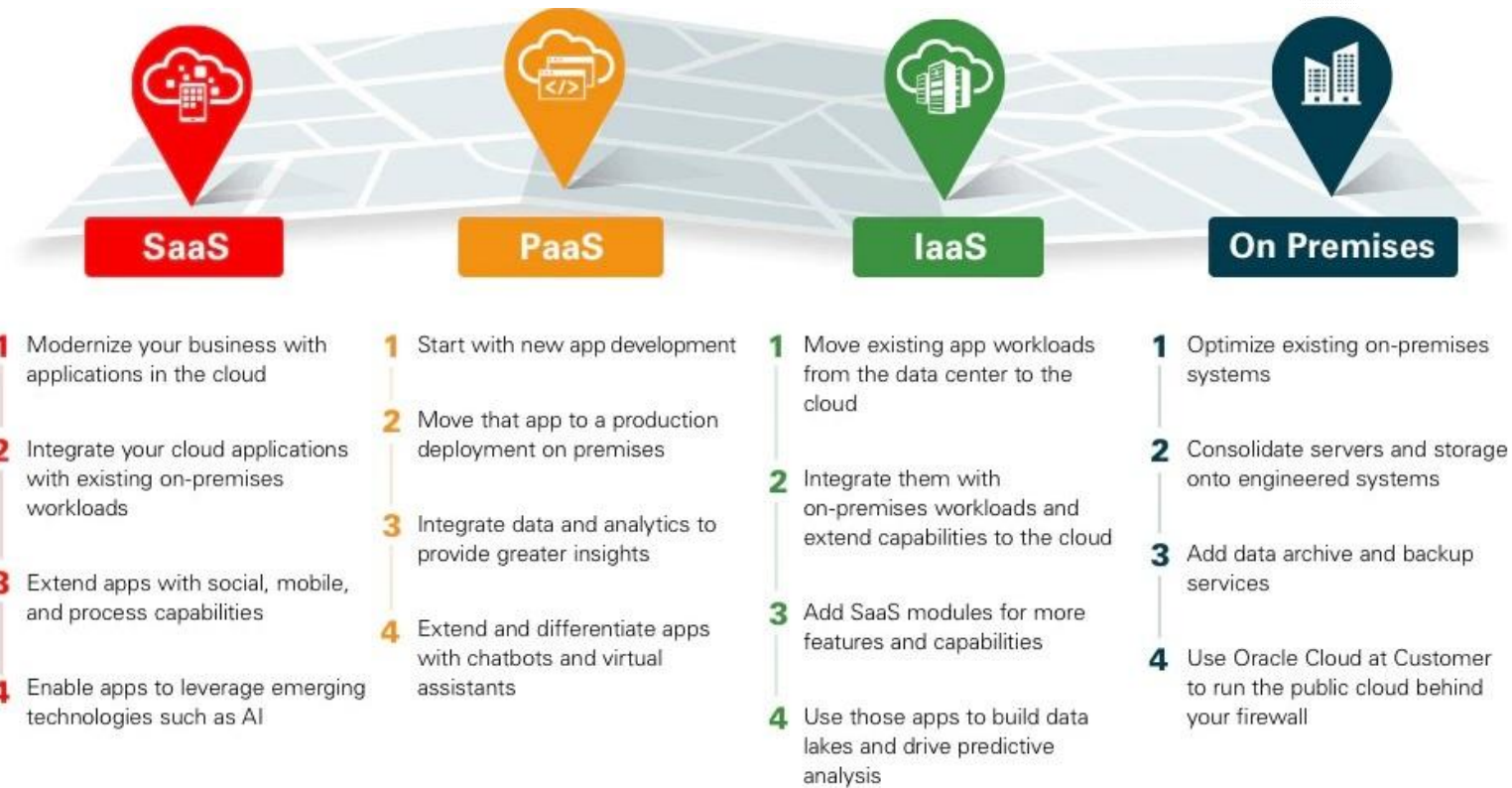
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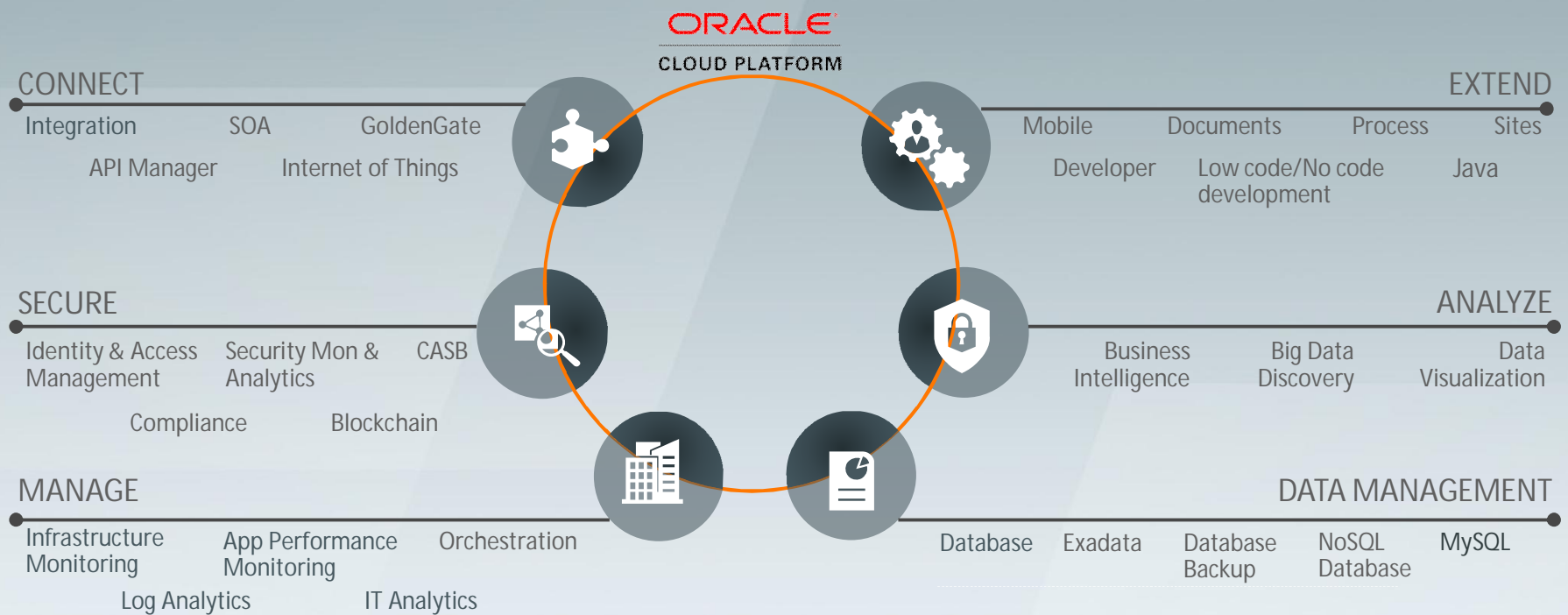
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Paths to Cloud



Oracle Cloud Platform lets you connect, extend, secure and analyze all of your workloads

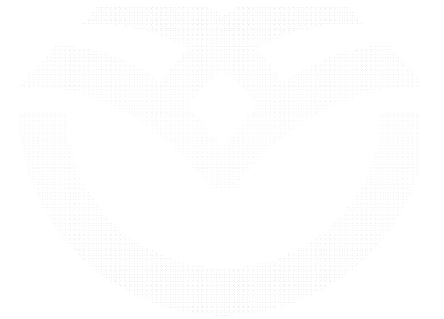


ORACLE

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Oracle Cloud Terminology

- OMCS – On Demand
- OCI Classic – Opublic Cloud
- OCI – Bare Metal CS



Cloud 2.0

The second generation of modern cloud infrastructure from Oracle has the following capabilities:

- Deploy bare metal servers in minutes
- Raw server performance without the hypervisor overhead
- Pay for what you use
- Integrated compute, storage, and database services in a low-latency private network
- Enterprise-level governance
- High availability for traditional and modern applications
- All features usable via console or API



OCI Differentiators



OCI has three important differentiators:

1. Flat, non-blocking network
2. Off-box IO virtualization
3. Storage



Flat, non-blocking network



OCI has created data centers from the ground up with a flat non-blocking network based on Clos network topology (named after Charles Clos) used by telecom companies, where any component (Compute, Storage etc.) can talk to any other with a maximum of **two hops**. A flat Clos network speeds up traffic by reducing the number of routers and switches that data has to pass through

- Flat, fast and predictable data rates
- Very high scale – approx. 1 million network ports in an availability domain
- < 100µs RTT (Round Trip Time) latency, 10Gb/s bandwidth



Off-box IO virtualization

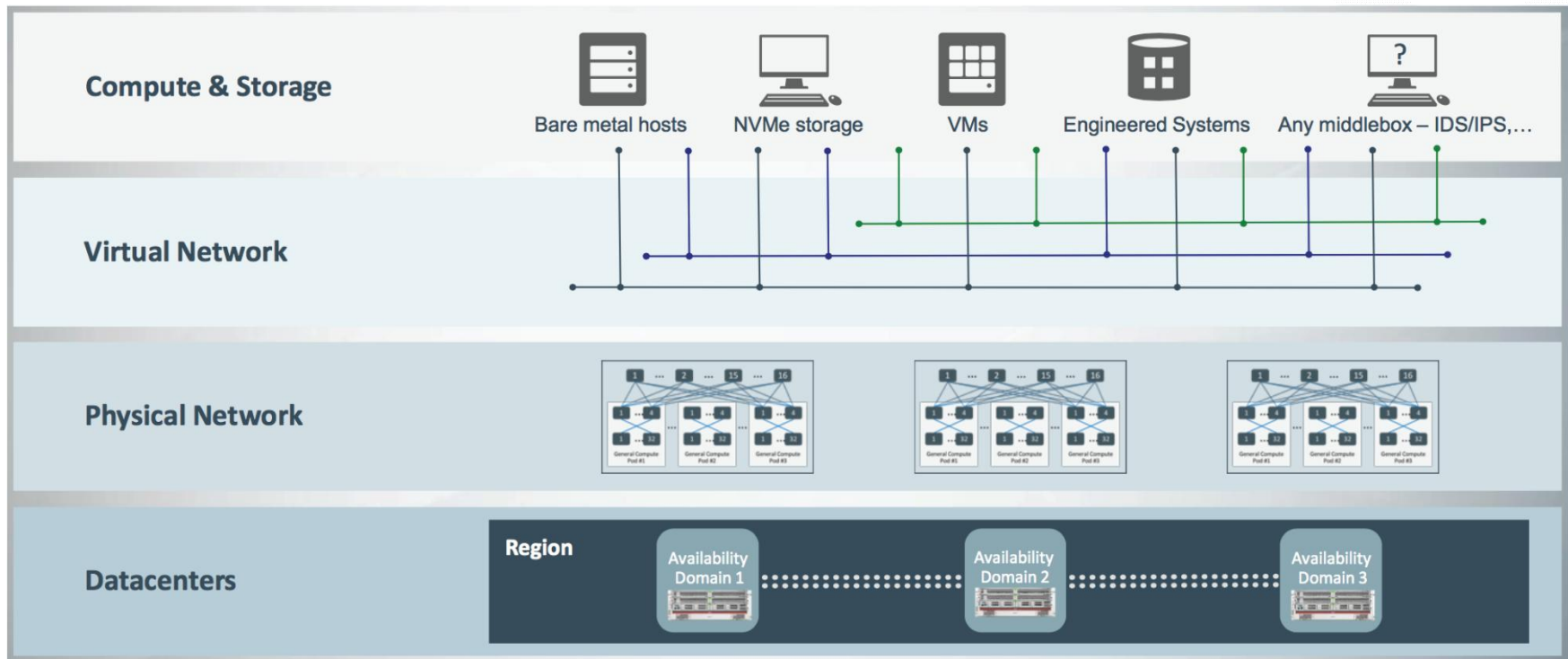
Highly configurable private overlay networks

- move management and I/O out of the hypervisor
- reduce compute overhead
- provide bare metal instances.

Oracle took I/O virtualization out of the hypervisor and put it in the network. Such “off-box” I/O virtualization does a couple of things. It eliminates a common cloud performance problem known as “noisy neighbor,” whereby server performance degrades because multiple virtual machine workloads are accessing the same hypervisor at the same time, causing I/O bottlenecks.



Off-box IO virtualization



Storage

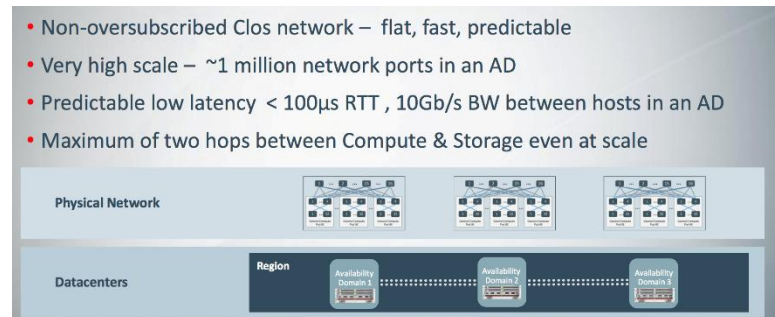


- All NVMe-based (Non-Volatile Memory Express) storage infrastructure
- 25K IOPS per volume, at 320 MB/s throughput
- Sub-millisecond latencies
- Configurable volume sizes: 50 GB to 2TB in 1 GB increments
- No storage performance concerns - provision your required capacity and performance scales linearly.
- The price is a simple 5 cents a month for each GB you provision.



Oracle Cloud Infrastructure - Built for Enterprise

- Generation 2 for Modern Cloud Infrastructure
- Oracle has built the data centers from the ground up
- They formed an **A Team** at Seattle hiring from Azure & AWS, who designed the Oracle Cloud Infrastructure learning from mistakes
- High Performance is a key goal – Designed for Enterprise Customers
- Oracle RAC & Exadata are available on OCI - A major differentiator



Where Did We See Improvements

- Improvements in Oracle Cloud Infrastructure vs. Other Providers
 - 20% improvement in downloading software
 - 65% improvement in installing software
 - 40% improvement in configuring software
 - 25% improvement in patching time
 - 30% improvement in database response time
- 20-25% better network performance
- 8X cheaper than AWS for the same configuration
- Inexpensive and simple storage model






Cloud Jump Start Program



ORACLE Cloud Sign In Contact Chat English Try for Free

Applications Platform Infrastructure Resources

Click 'Try It Free Now' for Demo Labs you're interested in to begin.

 <p>Oracle E Business Suite 12.2.6</p> <p>In this Demo Lab, you will get access to a dedicated preconfigured Oracle E Business Suite 12.2.6 created under a VCN with all required block storage attached.</p> <p>Try It Now Free</p>	 <p>Oracle JD Edwards</p> <p>This Lab provides customers JD Edwards EnterpriseOne 9.2 Standalone preconfigured on a virtual machine, created within a VCN and including all required attached block volumes. This will help customers experience the environment and have a feel for how the Application performs on Oracle Cloud Infrastructure.</p> <p>Try It Now Free</p>	 <p>Oracle Peoplesoft HRMS 9.2</p> <p>This Lab provides customers PeopleSoft HRMS Application 9.2 preconfigured on a virtual machine, created within a VCN and including all required attached block volumes. This will help customers experience the environment and have a feel of how the Application performs on Oracle Cloud Infrastructure.</p> <p>Try It Now Free</p>
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<https://cloud.oracle.com/jumpstart>



Whitepapers



White Paper

THE FUTURE OF ORACLE E-BUSINESS SUITE

White Paper



WHY ORACLE CLOUD INFRASTRUCTURE IS BUILT FOR THE ENTERPRISE?



THANK YOU!

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