ORACLE

Valtionhallinnon pilvi

Esimerkkejä muista maista

Jaripetri Kalske

Teknologiajohtaja, Oracle Finland

Oracle 2nd Generation Cloud

Oracle can show the Gartner and IDC slides but not send the Gartner or IDC slide material. Please see provide links to Gartner report and IDC report. IDC report requires subscription.

Gartner: It's Time to Include Oracle as a Viable Option When Evaluating Public Cloud Providers
https://www.gartner.com/doc/reprints?id=1-1ZKVOIQV&ct=200730&st=sb

IDC: "In the 2020 Industry CloudPath survey that IDC recently released where it surveyed 935 IaaS customers on their satisfaction with top IaaS vendors including Oracle, Amazon Web Services, Microsoft, IBM, Google Cloud . . . . Oracle IaaS (OCI) received the highest satisfaction score AND the biggest year-over-year score increase of all IaaS vendors. In addition, 86% of those surveyed said they expect their spend on Oracle IaaS (OCI) to increase in the future."
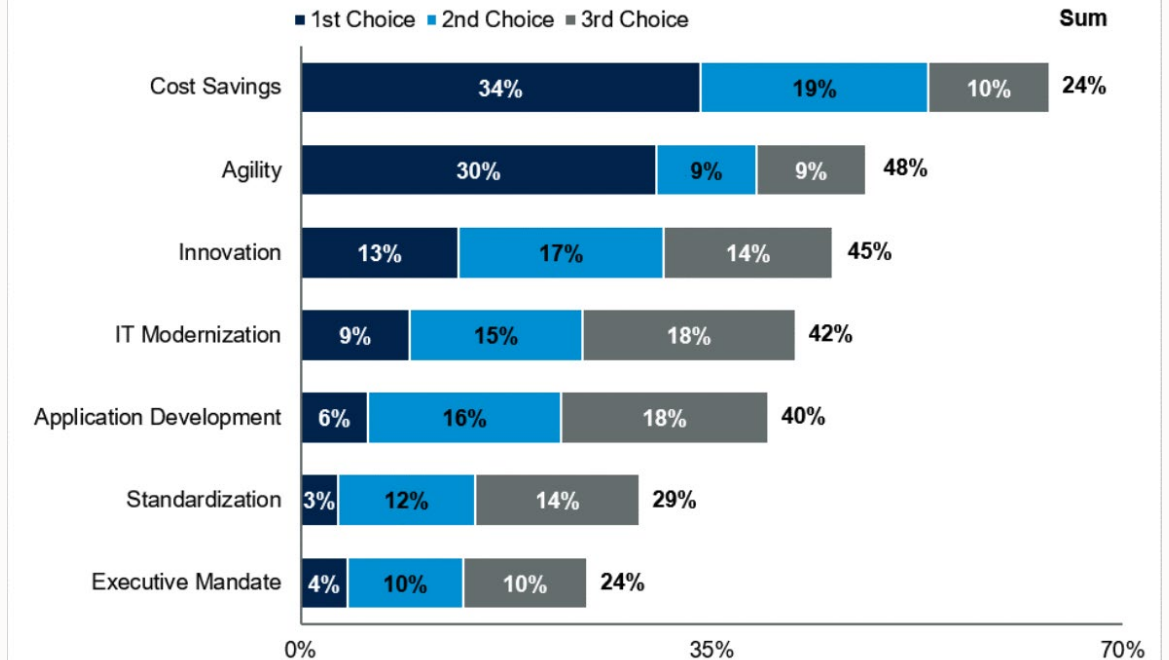
https://www.oracle.com/news/announcement/blog/oracle-cloud-recognized-by-industry-experts-091620.html

Cloud on houkutteleva vaihtoehto

- Kustannussäästöt & Ketterryys
  - Kustannukset käytön mukaan
  - Uusien palveluiden nopea käyttöönotto
  - Testi ja kehitysympäristöt
- Innovaatiot
  - Uudet teknologiat
  - Tekoäly, Koneoppiminen
- Modernisointi
  - Devops

Ambitions for Cloud Adoption
Cost Savings Is the Top Reason Organizations Want to Use Public Cloud

■ 1st Choice ■ 2nd Choice ■ 3rd Choice Sum

	1st Choice	2nd Choice	3rd Choice	Sum
Cost Savings	34%	19%	10%	24%
Agility	30%	9%	9%	48%
Innovation	13%	17%	14%	45%
IT Modernization	9%	15%	18%	42%
Application Development	6%	16%	18%	40%
Standardization	3%	12%	14%	29%
Executive Mandate	4%	10%	10%	24%

0%   35%   70%

n = 505
Base: Use public cloud (Q03), excludes DK
Q: What are the top three reasons for using public cloud services?
Source: Gartner
ID: 450555

Julkisen sektorin pilvipalvelujen haasteita

- Tiedon sijainti
  - Tiedon oltava maassa
  - Tiedon oltava EU alueella
  - Varmuuskopiot ja toissijaiset palvelut
- Operointi ja hallinta
  - Minkä maan kansalaiset operoi
  - Ketkä näkee tiedot
- Salaaminen ja tietoturva
  - Kaiken tiedon salaus
  - Kuka hallitsee salausavaimia
- Kansalliset velvoitteet
  - Lait määräykset ja velvoitteet
- Huoltovarmuus

[Date]

Oracle offers a spectrum of technologies for on-premises workloads

On-Premises

Exadata Database
Machine

Customer Data Center

Customer Managed

Cloud@Customer

Autonomous DB C@C

Exadata C@C

Customer Data Center

Oracle or Co-Managed

Dedicated Region Cloud@Customer

Exadata Cloud@Customer
Bringing Exadata Database to your data center

The performance, flexibility, and cost advantages of Exadata

Helps meet data Sovereignty requirements

Secure behind your data center's firewall

Run Exadata Database and Autonomous Database

| DATABASE CLOUD IN YOUR DATA CENTER | PUBLIC CLOUD HARDWARE, SOFTWARE, AND APIs | PUBLIC CLOUD OPERATIONAL AND FINANCIAL MODELS | INFRASTRUCTURE OWNED AND MANAGED BY ORACLE | SEAMLESSLY INTEROPERATES WITH THE PUBLIC CLOUD |

Dedicated Region: Best of two worlds

1

Attributes & benefits of the public cloud

Exactly the SAME as an Oracle Cloud public region
- **Same Architecture**
- **Same Services (IaaS, PaaS, SaaS)**
- **Same Operations**
- **Same SLAs**
- **Same Security**
- **Same Billing Model**

2

With isolation & security of on-premises infrastructure

Dedicated and running inside a customer's datacenter
- **Built inside customer's premises**
- **Data never leaves customer's premises**
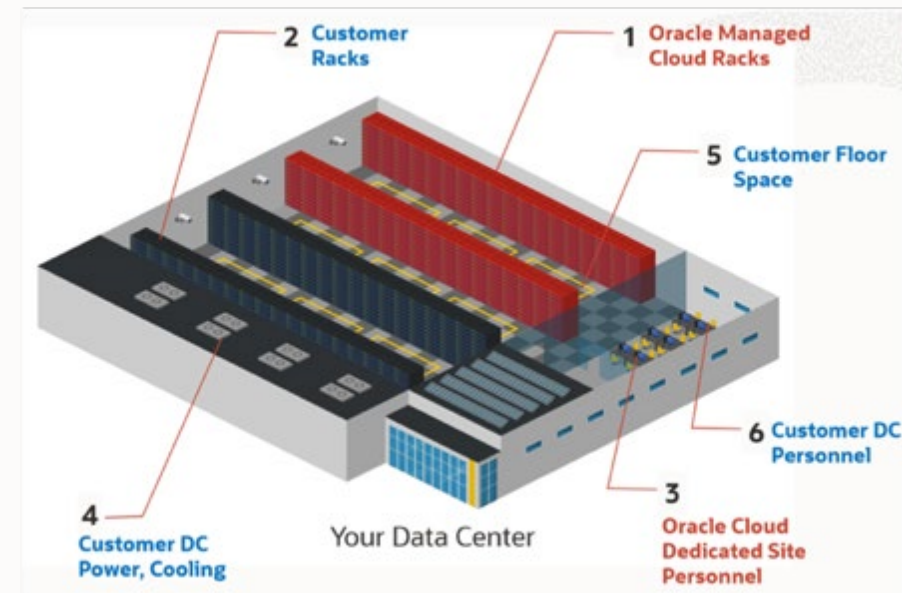- **Fully managed remotely by Oracle**

SaaS

PaaS

IaaS

Customer provide

- Connectivity

- Data Center facility

Oracle provide

- Hardware, rack and stack. Everything in cage managed by Oracle

- API based service catalog, making all public IaaS and PaaS services available behind firewall along with Marketplace

Your Data Center

- 2 Customer Racks
- 1 Oracle Managed Cloud Racks
- 5 Customer Floor Space
- 6 Customer DC Personnel
- 3 Oracle Cloud Dedicated Site Personnel
- 4 Customer DC Power, Cooling

Oracle Dedicated Region

ADC acquired Oracle Dedicated Region Cloud @ Customer to provide the first Sovereign Cloud capability in Australia

Rob Kelly,
Managing Director, Australian Data Centres
https://youtu.be/Uwj1IPoW-2g

- ADC is the only Australian privately owned and operated data centre in Australia, based in Canberra.

- ADC's strategy is to have an **enterprise-grade multi-cloud capability**. DRCC forms the backbone of this strategy.

- Needed to build a significant cloud capability **quickly** to support major government **project** requirements and upcoming **National Critical Infrastructure** legislation.

Gartner

Comments from Gartner's most respected cloud analyst: Lydia Leong

"I predict that [Oracle Dedicated Regions] will raise OCI's profile as an alternative to the big hyperscalers, among enterprise customers and even among digital-native customers…"

"Oracle has made significant strides in expanding OCI's capabilities over this last year, so **when they say "all services" that's now a pretty significant portfolio — likely enough for more customers to give OCI a serious look…"**

[OCI is] …**has a significant majority of really essential stuff that enterprises need."**

" The sparkly pink unicorn comes from Oracle.

Lydia Leong, CloudPundit

https://blogs.gartner.com/lydia_leong/2020/07/09/finally-private-cloud-identical-to-public-cloud/
https://www.businessinsider.com/oracle-private-cloud-region-amazon-web-services-outposts-2020-7
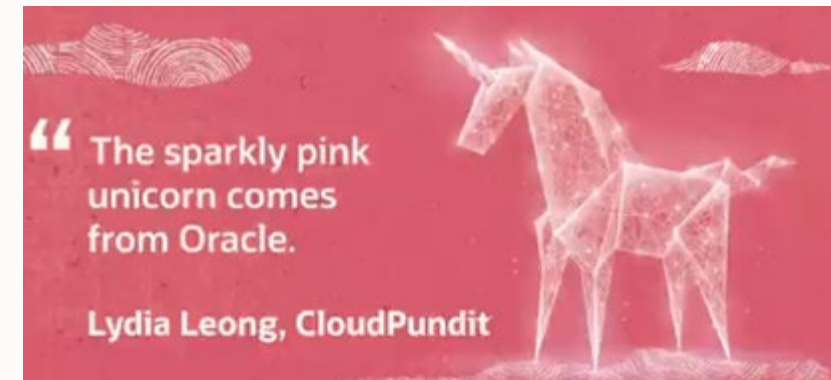
Oracle Cloud Infrastructure Global Footprint

April 2021: 29 Regions Live, 9+ planned, 7 Azure Interconnect Regions

SWEDEN

LONDON

NEWPORT

AMSTERDAM

FRANKFURT

FRANCE

ZURICH

ITALY

CHUNCHEON

SEOUL

TOKYO

OSAKA

TORONTO

MONTREAL

SAN JOSE, CA

CHICAGO

ASHBURN

PHOENIX

ISRAEL

SAUDI 2

JEDDAH

DUBAI

UAE 2

MUMBAI

HYDERABAD

SINGAPORE

Commercial
Commercial Planned
Government
Microsoft Interconnect Azure

VINHEDO
SAO PAULO

JOHANNESBURG

SANTIAGO

SYDNEY

MELBOURNE

UK Government Cloud

Oracle is offering a sovereign, dedicated dual-region cloud, for UK Government & Defence customers. The dedicated dual-region cloud consists of two internet-connected cloud regions operated by UK Citizens who hold SC Level Security Clearance, it is restricted to UK Government & Defence customers and any UK Government sponsored third parties (such as defence contractors).

- Dedicated to UK Government & Defence
- Identical to Oracle Public Cloud
- Centraliced, security-cleared, UK based operations team