

# Cyber and Security

## Deep Dive 6

Presented by Paul Littler  
EMEA Cloud Technology Leader



Applications



Platform



Infrastructure

# Why Oracle, Why Now?

**2nd Generation True Cloud**

**Leading Cyber Security**

**Compliance**

**Choice of Deployment Model**

**Isolated Tenancy**

**Shared Data Model / Data Strategy**

**The Power of one True Cloud Vendor**

Private & Secure, low latency, high bandwidth, predictable connectivity backed by SLAs

# The 7 Pillars of a Trusted Enterprise Cloud Platform

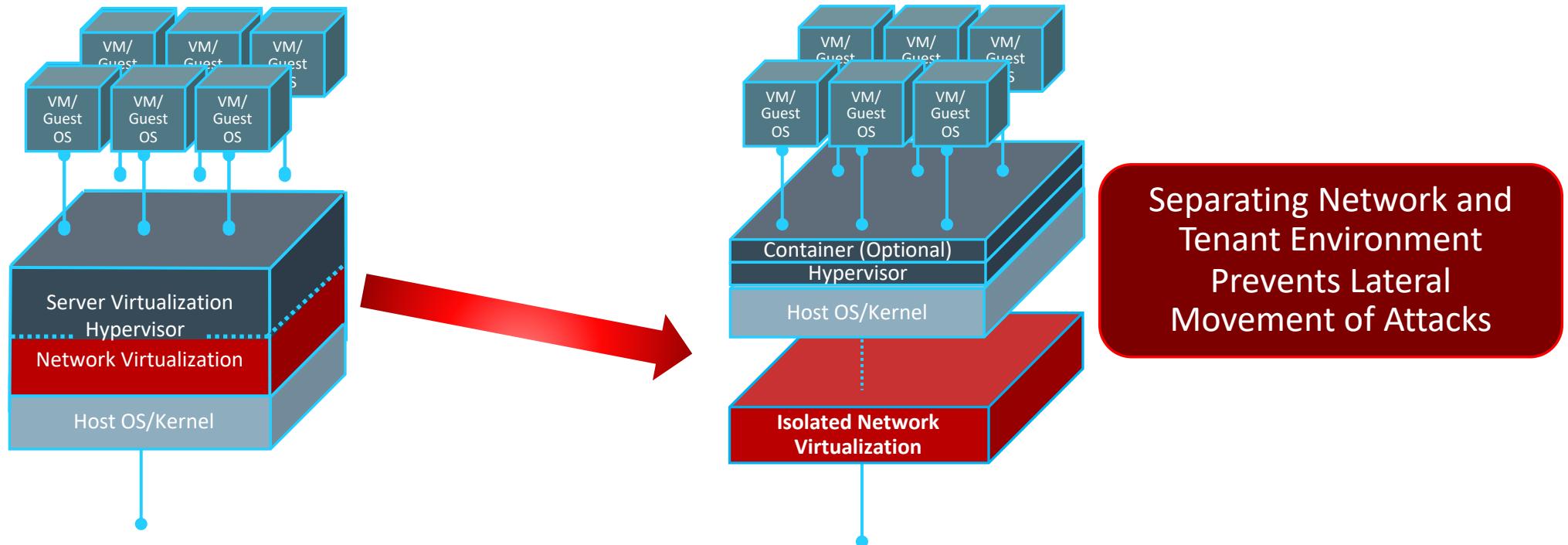
1	<b>Customer Isolation</b>	Isolated Tenancy Model, Dedicated Database & VM's
2	<b>Data Encryption</b>	Encryption in Transit, Encryption at Rest, Customer-managed Key Breakglass
3	<b>Security Controls</b>	User Authentication, Instance Principals, Authorization, Network Security Controls, Application and Edge Security Controls, Database Vault, OCNA, Break Glass
4	<b>Visibility</b>	Audit Logs, CASB-Based Monitoring
5	<b>Secure Hybrid Cloud</b>	Identity Federation, Secure Connectivity using FastConnect
6	<b>High Availability</b>	Regional, Availability Domain, Fault Domains, Redundancy
7	<b>Verifiably Secure Infrastructure</b>	Security Operations, Compliance Certifications and Attestations, Penetration and Vulnerability Testing, Secure Software Development

Complete for Siemens to achieve its data strategy and digital transformation goals

# Security First Design Approach in Infrastructure

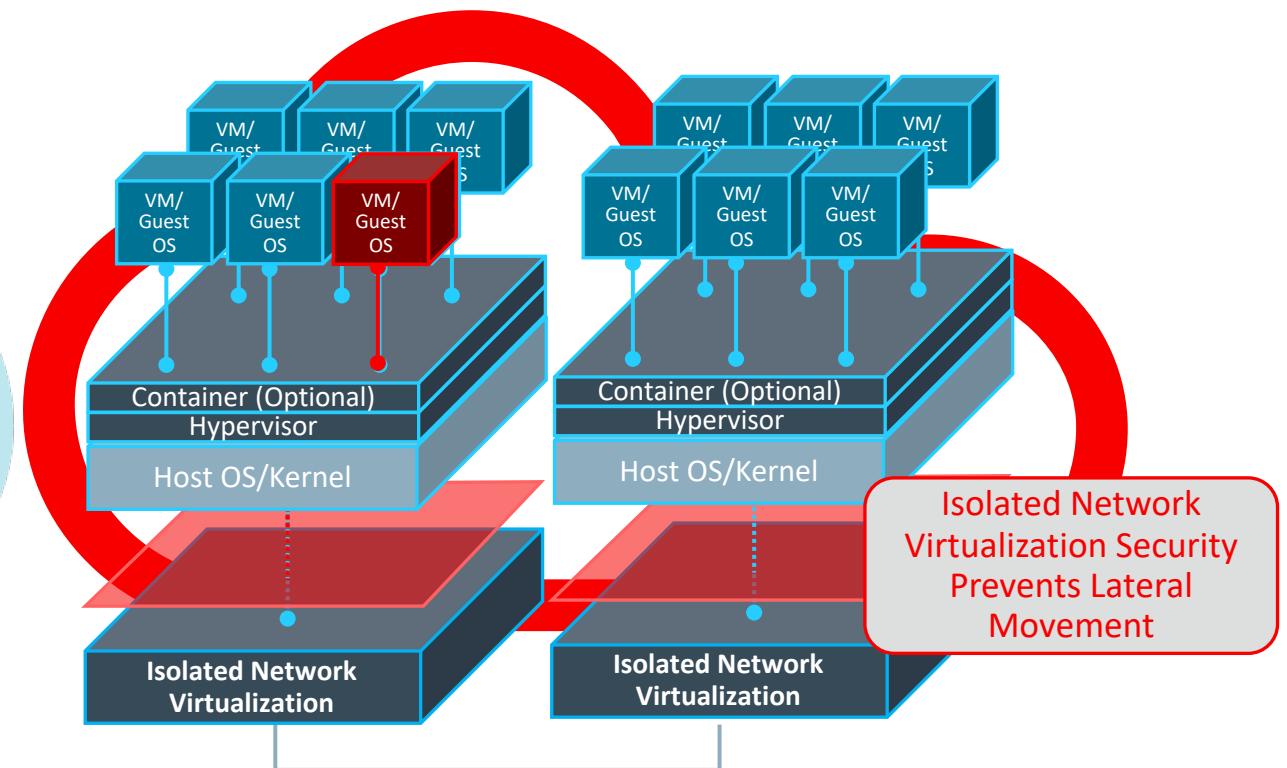
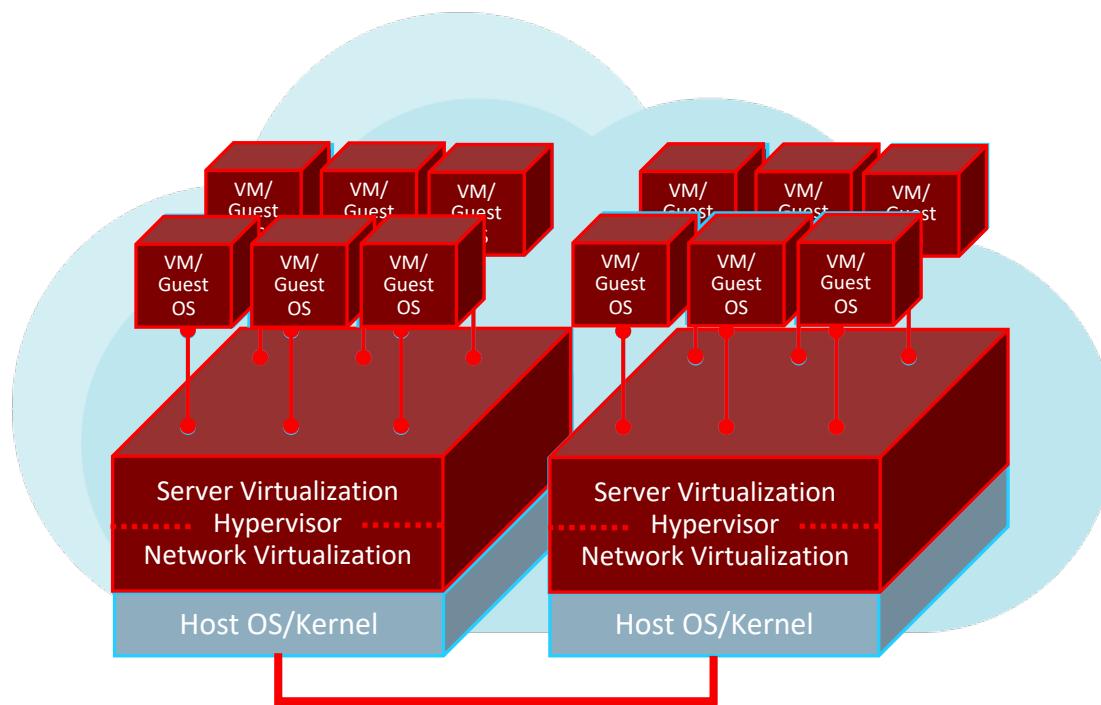
## Offers Better Protection

**Key Value Message:** *Maturity across Cloud 2<sup>nd</sup> Generation.*



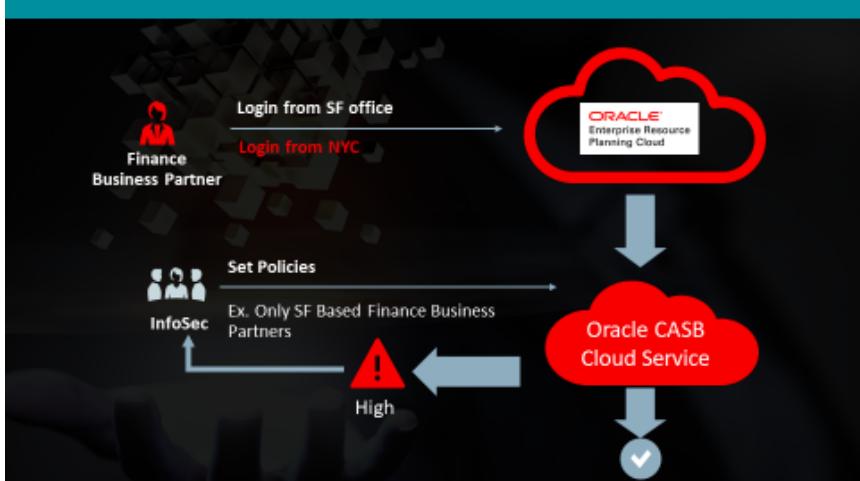
# Isolation: Threat Containment & Mitigation

## Customer Isolation in Infrastructure

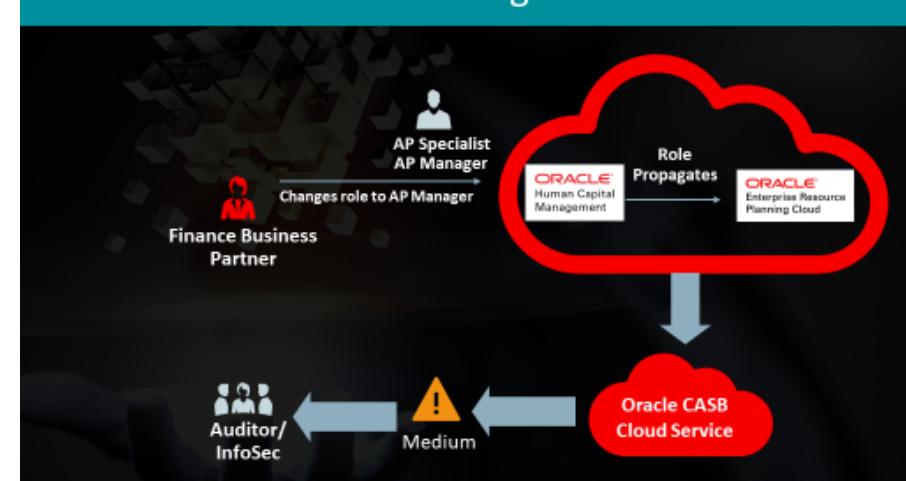


# CASB Business Use Cases – Deep Role for InfoSec

## Use Case 1 – User Access Behavior Monitoring



## Use Case 2 – Role Monitoring



## Use Case 3 – Behavior Monitoring

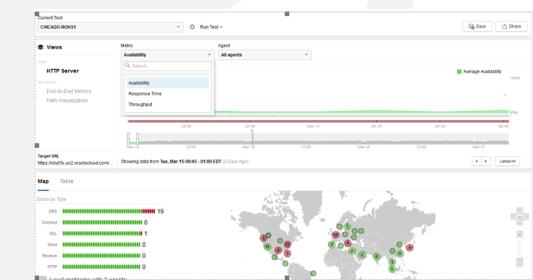
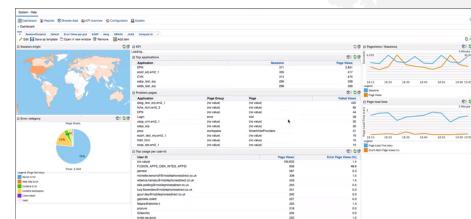
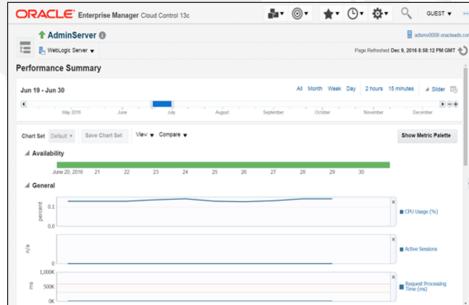


**Key Value Message:** Enhances Business Governance and the role of InfoSec. CASB designed for ERP.

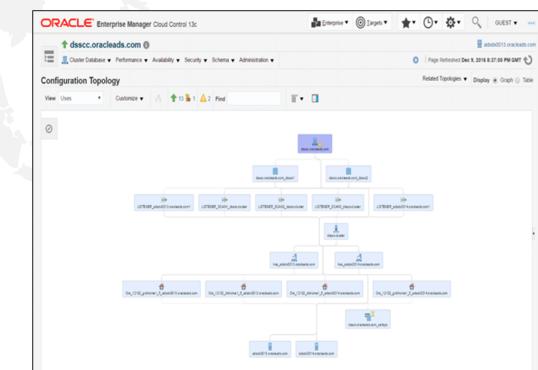
# MONITORING – End to End, One Vendor

**Key Value Message:** *End to End, One Vendor's Core Technology.  
No 3<sup>rd</sup> Party Wait. Flexibility/ Scalability*

## Diagnosis



## Impact Analysis



# Oracle FastConnect

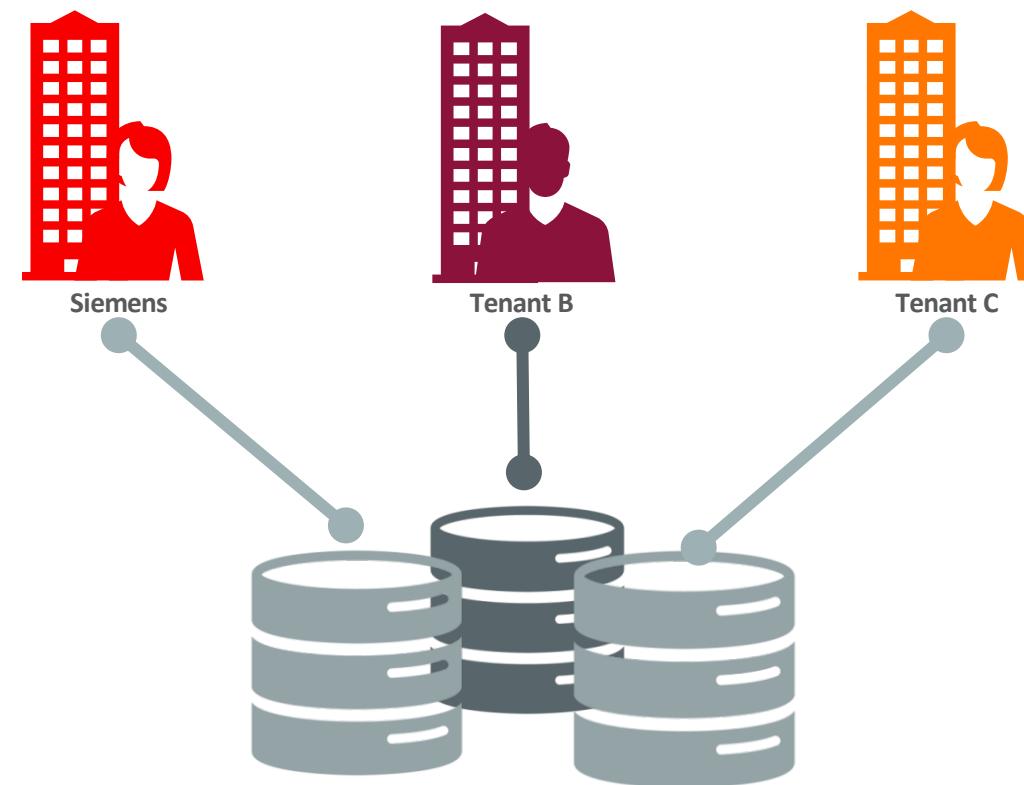
**Key Value Message:** *An Extension of your network with the benefits of Public Cloud Agility.*



Private & Secure, low latency, high bandwidth, predictable connectivity backed by SLAs

# Isolated Tenancy & Scalability

**Key Value Message:** Shared resources where it makes sense, isolated where it doesn't. Engineered by Oracle.



SECURITY



PERFORMANCE



FLEXIBILITY

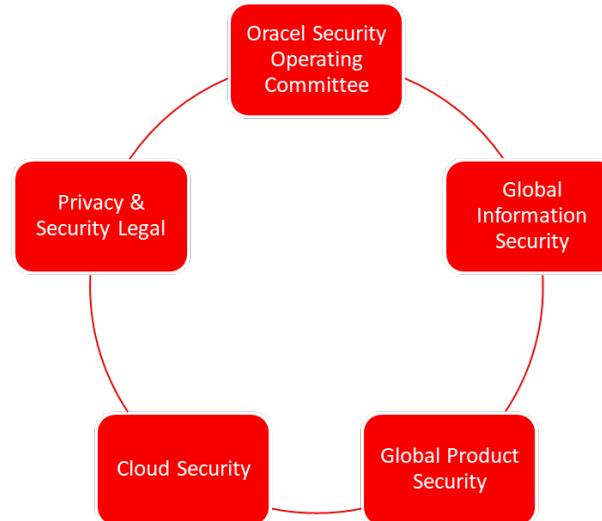


Security + scalability, performance tuned by Oracle for Siemens specific requirements

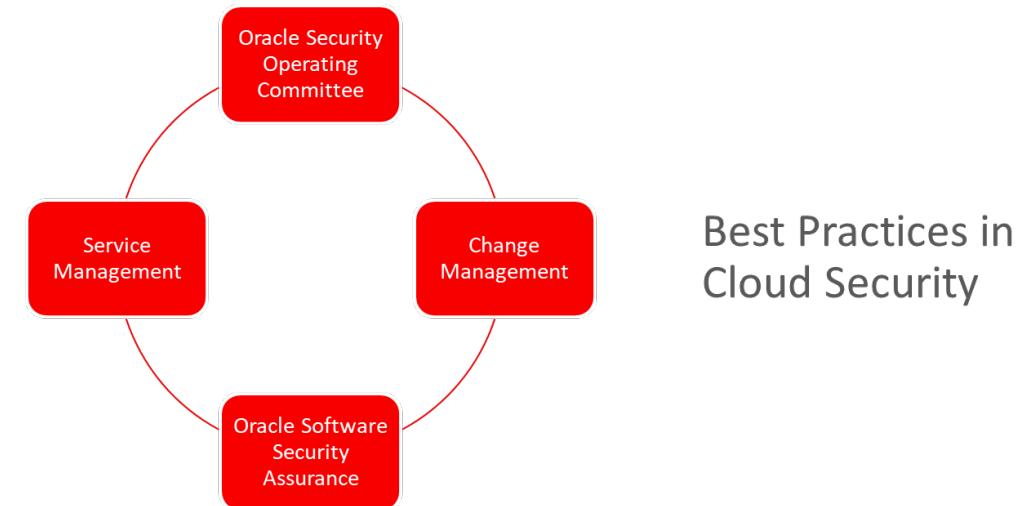
# Oracle Cloud Security

## People, Process

### Oracle Security Organization



### Cloud Security Professionals



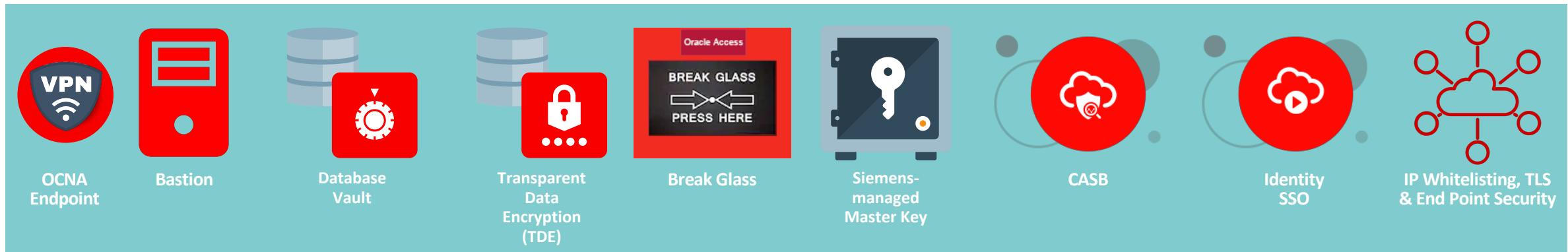
**Key Value Message:** *Cloud Mature, Fully integrated, dedicated People and Process. 100% Oracle Employees*

### Best Practices in Cloud Security

DevSecOps with 24/7/365 Follow-the-Sun Cloud Security Monitoring & Response  
Effective, documented and regularly reviewed processes for patch & update mgmt.

# Oracle Cloud Security

## Technology

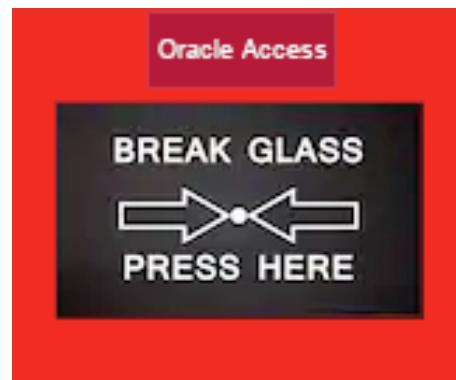


**Key Value Message:** True Cloud Security Technology,  
Engineered together

Siemens information assets are protected by industry leading security technologies

# Oracle Break Glass

## Break Glass?



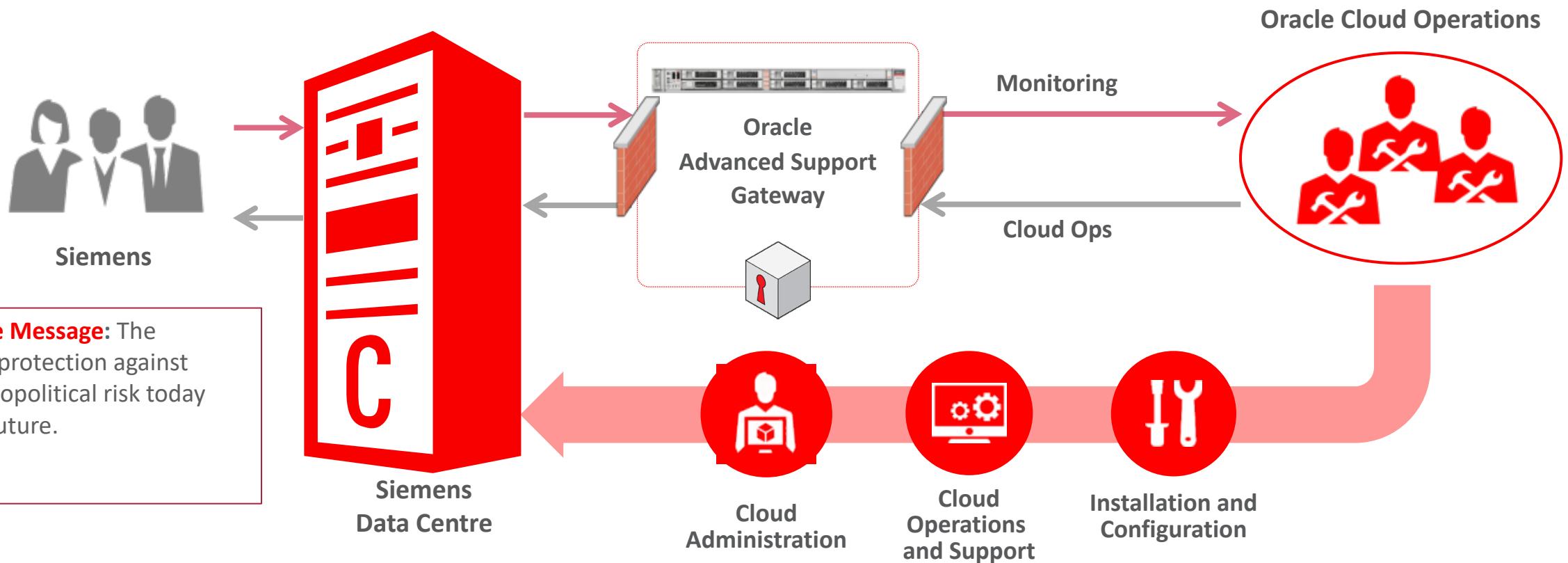
**Key Value Message:** True Cloud Security Technology,  
Delivers the 4 eyes principle. Control your Own Key.

## Support Stringent Access Control Requirements

- Enables Siemens to have custom restrictions on Oracle personnel accessing its Cloud Environment.
- Access control can be restricted via pre-defined windows and approved by Siemens prior to use
- Improve Visibility into Access Control
- Enables Siemens to view audit reports for when administrative access was leveraged

# Oracle Cloud @ Customer

## Cloud Services Subscription includes Hardware, Software, and Cloud Operations



Siemens can meet its data localization needs

# Siemens Asks

- Hosting, Tenancy & Data Storage
- Performance and Scalability
- Information Security Management & Protection Concept
  - Security Insight
- Maintainability and Flexibility
- Data Localization for exceptions

# Oracle's Differentiation for Siemens

## Key Value Messages:

*An Extension of your network  
with the benefits of Public Cloud Agility.*

*End to End, One Vendor's Core Technology.  
No 3<sup>rd</sup> Party Wait. Flexibility/ Scalability*

*Maturity across Cloud 2<sup>nd</sup> Generation.*

*Cloud Mature, Fully integrated,  
dedicated People and Process. 100%  
Oracle Employees*

The Ultimate protection against  
future Geopolitical risk today  
and the future.

*True Cloud Security Technology,  
Delivers the 4 eyes principle. Control your Own Key.*

*Shared resources where it makes  
sense, isolated where it doesn't.  
Engineered by Oracle.*

*True Cloud Security Technology,  
Engineered together*

*Enhances Business Governance  
and the role of InfoSec. CASB designed for ERP.*

# Questions



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Oracle is committed to developing practices and products that help protect the environment

# Siemens Asks

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- Information Security Management & Protection Concept
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