

Delivering projects via Oracle Government Cloud for public sector and the supply chain

Presenters



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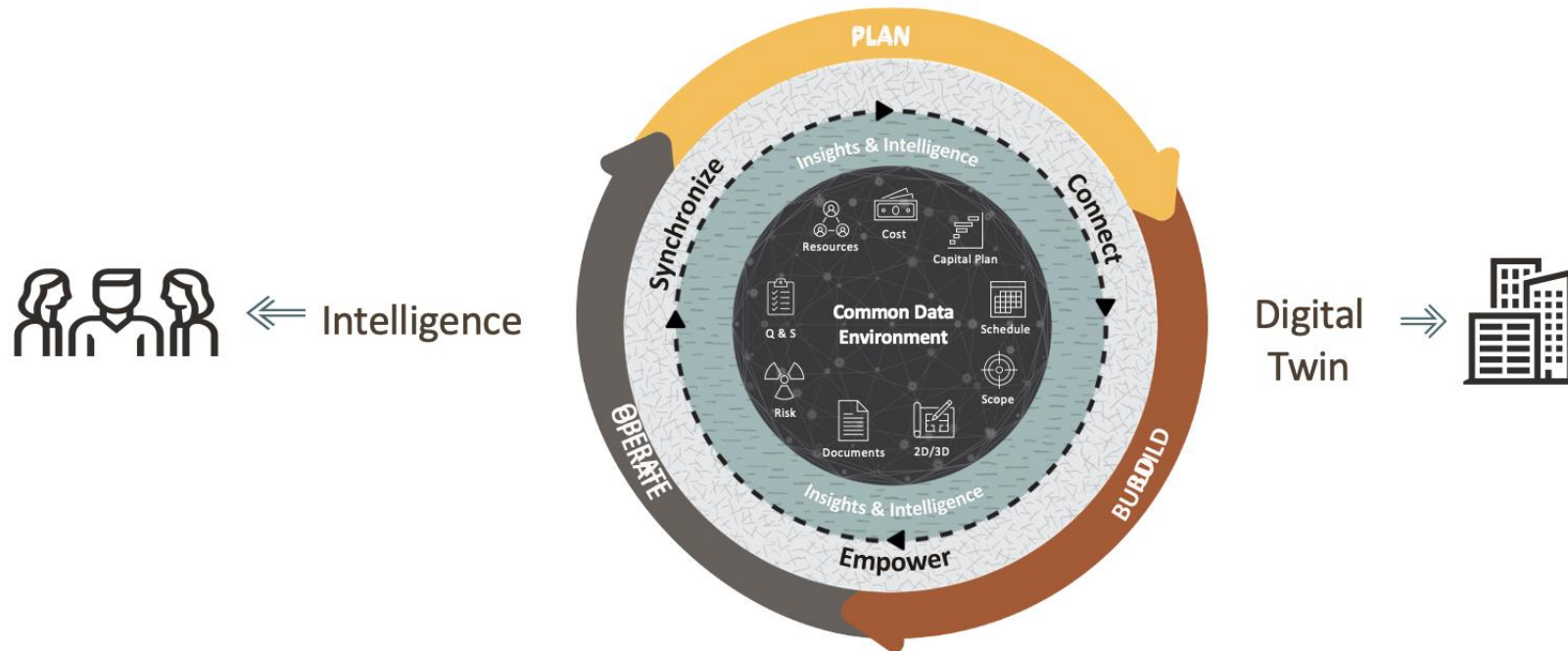
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Agenda

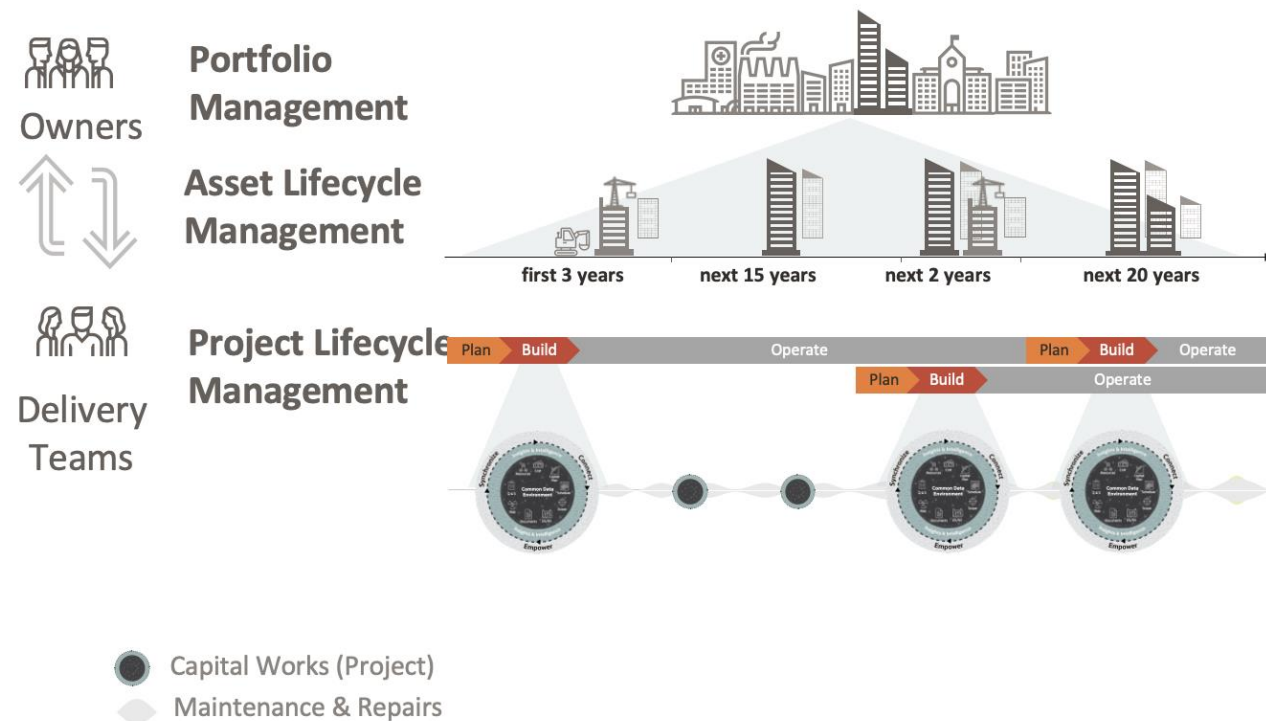
1. Smart Delivery Platform
2. OCI for Government - Introduction
3. OC4 – UK Government Cloud
4. Why Now ?

Oracle Smart Delivery Platform

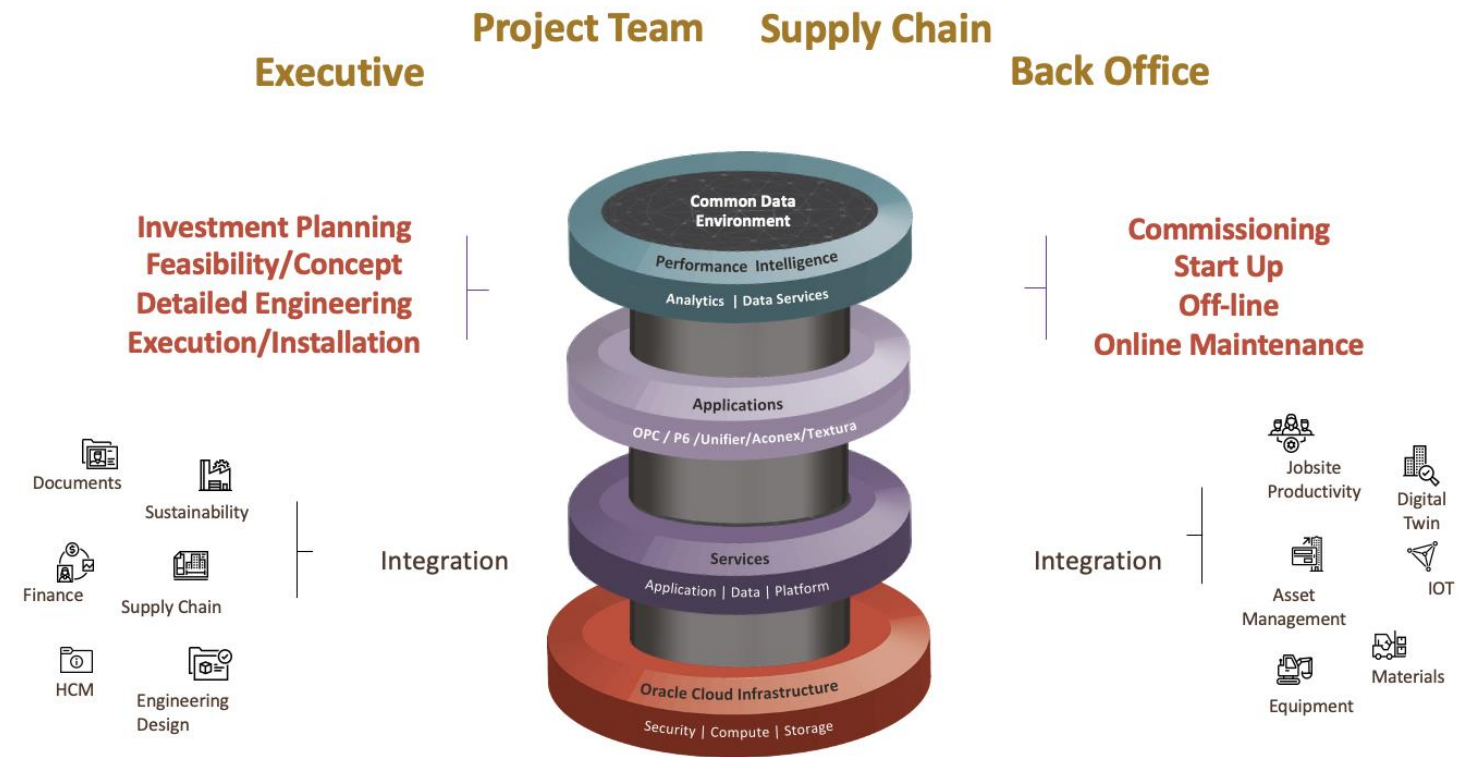


Connect portfolios, asset and project life cycles

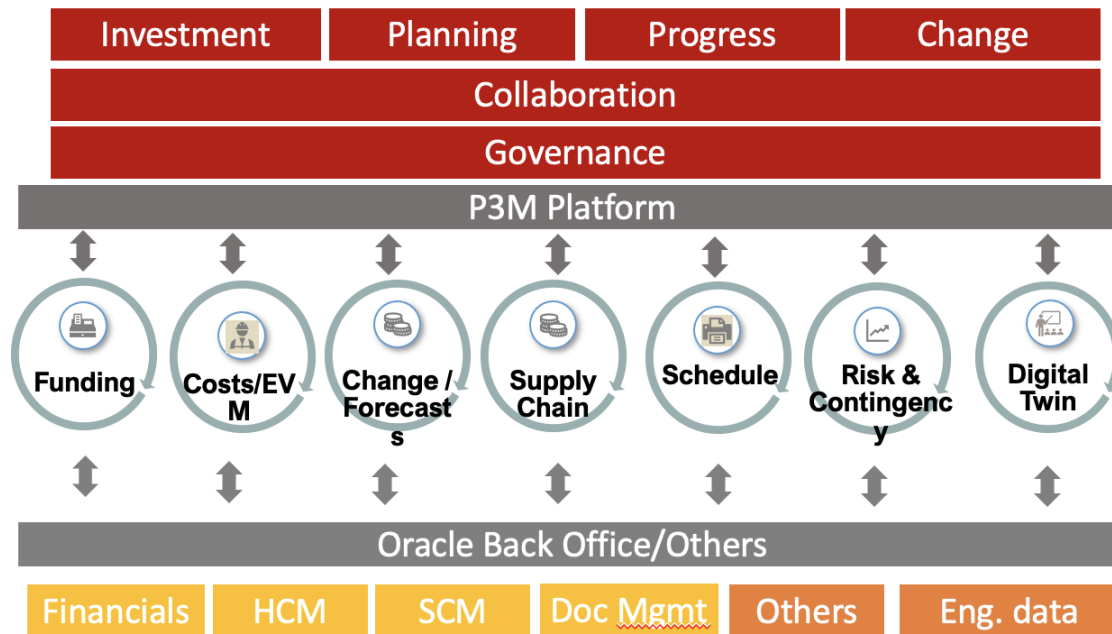
Bridge the gap with planning, control, and visibility



Oracle Smart P3M Delivery Platform



Oracle Smart P3M Delivery Platform – capabilities supported on OC4



Oracle Cloud Infrastructure for Government

Part of the Oracle Cloud Infrastructure Government Product Management team, responsible for all Government and Government related business worldwide.

Oracle Cloud Infrastructure tailors accreditations for the communities they serve.

When someone says OCI Gov Cloud they could mean:

- US Gov regions
- US DoD regions
- UK Sovereign regions
- Dedicated Regions for US government like ONSR aka Secret
- Dedicated Regions Cloud@Customer in any industry, launched July 2020
- Potentially Public Sector customers consuming in commercial regions

Oracle's value proposition



Built with a **security & compliance** focus
Demands **no price premium**
Offers **unmatched performance**



We **don't ask you to re-invent** your business to move to cloud

- Don't make two big changes at once (move & redesign)
- Keep what you have that works, use cloud to change what doesn't

Oracle Cloud is **proven for government scale and availability**

- Exadata and Maximum Availability Architecture



Oracle Cloud lets you **preserve investment** and minimize cost

- Leverage the existing skills and people you depend on now
- Use the existing processes and tools you have invested in

Why is Oracle Cloud Infrastructure successful?

Not just implementations, but bringing innovation

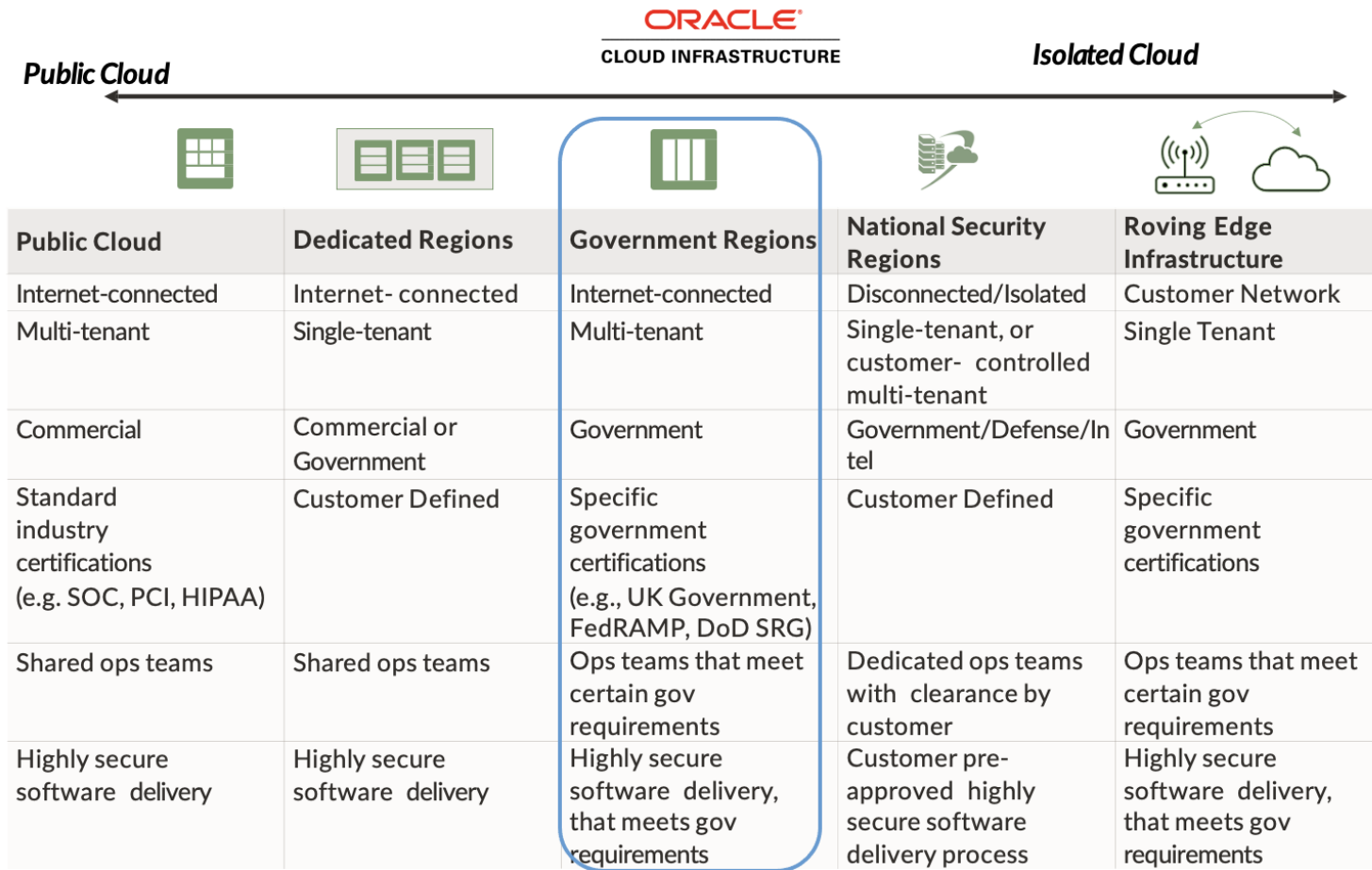
- Developed the 2nd Gen Cloud leveraging our understanding from years of Enterprise Delivery
- Understand customers' needs because we have been partnered on this journey together
- This background provides a strategic perspective that enables us to align to A&D Services
- Oracle understand as a service architecture: IaaS to SaaS, and Hybrid Solutions (Cloud and On-prem)
- There's no one-size-fits-all approach to cloud.
- It's about supporting personalised paths that best suit the needs of the customers
- It's about supporting your cloud journey from the point you want to start— applications, platform, infrastructure or on-prem.
- Services for your journey end-to-end- architecting, running, managing, securing, and supporting cloud.
- Ultimately, it's about providing solutions that support all stages of the journey to cloud.

Transforming challenges into opportunities

- Oracle Cloud Infrastructure is designed to address most pressing issues Public Sector IT faces today
- Oracle public sector prioritizes development strategies based on sector needs
- Every service and capability is mapped to solving two or more issues

Security	Cost	IT Delivery	Operational Efficiency	Customer Experience
Cyber Security	Infrastructure & System upgrades	Optimizing DevOps	Improved Security and governance	Improving Accessibility - employees and customers
System Security	Optimizing investments in next gen technology	Performance and scalability	Agility	Transparency & accountability
Data Security	Transparency in resource utilization	Time to market	Workflow	Cross agency, vendor collaboration
Infrastructure Security	Planning Budgets	Disaster Recovery	Hybrid opens more choices	Improve performance
Compliance	Bursting	Opportunity to innovate	Keep existing staff	Improve availability

Spectrum of Oracle Cloud isolation options



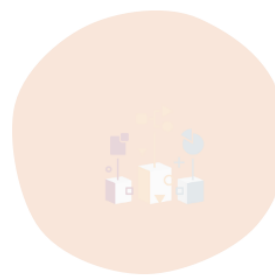
Top commercial customer use cases for Gov Regions



Move
Oracle
Workloads
to OCI



Build Solutions
to support Your
Government
Customers



Migrate
Existing Data
Warehouse /
Marts to
ExaCS, soon
ADW



Integrate Oracle
SaaS products
with IaaS, PaaS and
On- Prem



Develop
your own
SaaS
products
and
Services

Oracle runs best on Oracle - Go after low hanging fruit

DEFINITION: a specific situation in which a product or service could potentially be

Why commercial entities need Government Cloud

Some common reasons OCI Gov regions are required

- Customers often are doing work on behalf of the government, or are storing government data, or are providing services to government agencies or employees
- Often the customer's own backend systems need to comply with similar accreditation standards and therefore need to go into a gov region
- In these cases the workload typically requires the same level of cloud security and controls as the government would use themselves.
- Ultimately it is the terms of the end user customer who will determine the accreditation required and the controls that need to be followed
- It is possible some customers may need both a commercial tenancy and a government tenancy depending on the users and the data that interact with different aspects of the customers business

OCI current compliance programs

Our compliance posture accelerates a customer's cloud journey

Global	 SOC 1: SOC 2: SOC 3			 27001: 27017 : 27018 : 20000-1			 Level 2		
Government	 DoD DISA SRG IL5	 JAB P- ATO	 CJIS	 VPAT – Section 508	 G-Cloud 12 - UK	 HM Government G-Cloud 12 Supplier	 Model Clauses - EU	 Canada Protected B	
Industry	 HIPAA	 PCI DSS	 TISAX - Germany	 FISC - Japan	 IG Toolkit - UK	 FINMA - Switzerland	 HDS - France	 BACEN – Brazil	 APRA - Australia
Regional	 GDPR - EU	 CITC – Saudi Arabia	 ENS - Spain	 Cyber Essentials Plus - UK	 Cloud Security Principles -UK	 ISMS - Korea	 PIPEDA - Canada	 My Number - Japan	 BSI C5 - Germany

Why we built a Sovereign Cloud

Guidance from Cabinet Office to UK Government

“When procuring new or existing services, public sector organizations are instructed by the Cabinet Office to consider and fully evaluate potential cloud solutions first before considering any other option”

This approach is mandatory for central government and strongly recommended to the wider public sector.



UK Government and Defence Cloud (OC4)

- Two distinct, geographically separated regions make the UK Realm
- The two regions are interconnected via a highly resilient, private high-speed backbone.
- Dedicated to UK Government & Defence this Realm is accessible Only UK Government and associated entities, as listed by Crown Commercial Services (CCS)
- All Oracle privileged access (both physical and logical) are restricted to UK Citizens, residents, and present in the UK with SC Clearance



The realm supports the following UK, EMEA and UK Government specific compliance standards



Region

Availability

GA Date
Realm
Region Code
Region Identifier
Canonical Name

Available

Dec 3, 2019
OC4
LTN
uk-gov-london-1
UK Gov South (London)

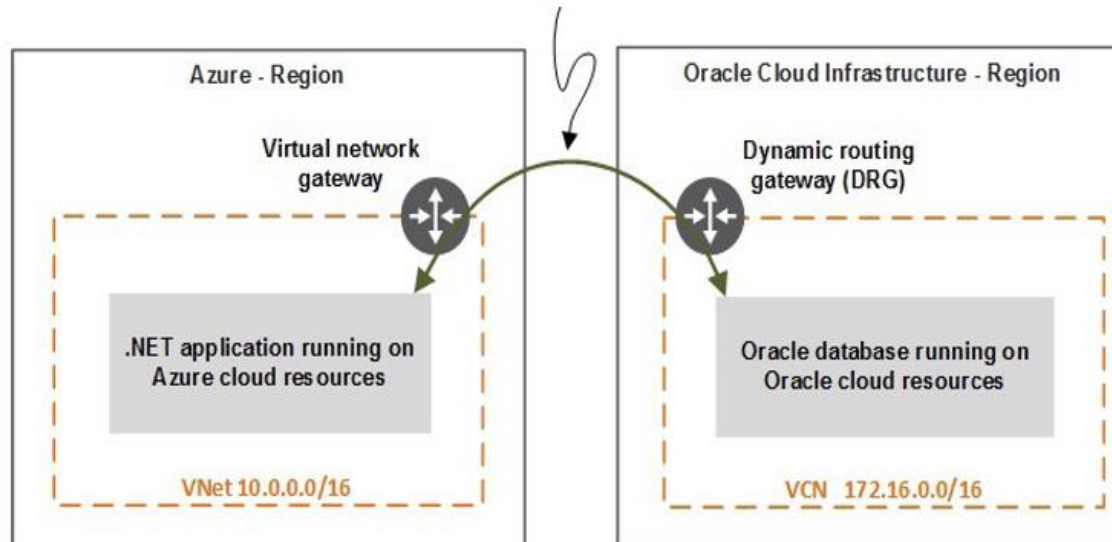
Available

Jul 31, 2020
OC4
BRS
uk-gov-cardiff-1
UK Gov West (Newport)

Azure Connect in OC4

Logical connection implemented with:

- Azure side: Express sRoute circuit
- Oracle side: FastConnect virtual circuit



Microsoft doesn't currently have the ability to support OFFICIAL Sensitive UK Government workloads in Azure, we believe this is on their future roadmap.

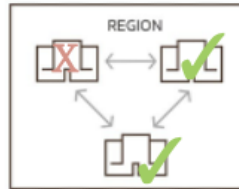
The UK Realm architecture

High availability design



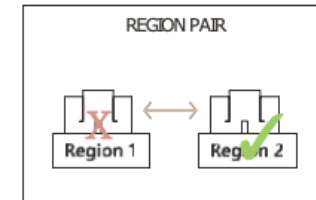
Fault Domains

Protection against failures within an Availability Domain



Availability Domains

Protection from entire Availability Domain in failures (multi-AD region)



Region pair

Protection from disaster with data consistency and compliance

SLAs on Availability, Management and Performance

OC4 data handling

OFFICIAL

The majority of information that is created or processed by the public sector. This includes routine business operations and services, some of which could have damaging consequences if lost, stolen or published in the media, but are not subject to a heightened threat profile.

SECRET

Very sensitive information that justifies heightened protective measures to defend against determined and highly capable threat actors. For example, where compromise could seriously damage military capabilities, international relations or the investigation of serious organised crime.

TOP SECRET

HMG's most sensitive information requiring the highest levels of protection from the most serious threats. For example, where compromise could cause widespread loss of life or else threaten the security or economic wellbeing of the country or friendly nations.

- Payroll and employee Information
- Citizen Information
- Supplier Information
- Defence & Agency, Civilian and Enlisted Systems up to a threshold where deemed not SECRET/TOP SECRET
- Consolidation of large quantities of data that alone would only be deemed OFFICIAL or Below

'OFFICIAL-SENSITIVE' is not a classification. 'Sensitive' is a handling caveat for a small subset of information marked OFFICIAL that require special handling by staff. You shouldn't treat all sensitive information equally. Any information marked 'OFFICIAL-SENSITIVE' in your organisation will need risk appropriate security measures. These security measures will depend on the risks surrounding the information.

Source: UK Cabinet Office

Operational and architectural “hardening”

- **Internal Information Flows and access Controls**
 - Information Sovereignty, no data to leave the confines of the UK or the environment of the Realm unless explicitly agreed by the customer
- **Staffing**
 - Only FTE's are allowed physical or logical access to the information at rest or in transit unless they are UK National resident in the UK who has been background checked and is “Security Clearance (SC) Cleared”, this includes operational staff.
- **Customer Support**
 - Global Customer Staff also must conform to the mandated staffing model.
- **Only for use by UK Government, Defence, Agencies & Sponsored organisations**

The UK Government and Defence Realm (OC4)

Oracle's UK Government and Defence Realm

- The UK Realm (OC4) is purpose-built cloud, designed in collaboration with UK Government & Defence to create the blueprint to provide:

"The First and Only Dedicated, Compliant, Private, and Truly Sovereign Cloud"

The UK Realm is:

- Built on a Highly Resilient design
- Offers robust Disaster Recovery capabilities
- Provides full support for OFFICIAL Sensitive Workloads running at enterprise strength
- Departments and ministries get to maintain Full Control, and Compliance of citizen and critical solutions.
- Providing departments and ministries the Flexibility and Capability of a commercial cloud environment

UK Realm (OC4)

UK Government Region Services and Features Available

P6 - Schedule & resource management

Unifier - Projects Controls; EVM ; NEC 4

OPC – Portfolio Mgmt, Schedule, Task & Risk



Core Oracle Tech and Apps

Aconex – Supply Chain Collaboration

Textura – Supply Chain payments

Highlights

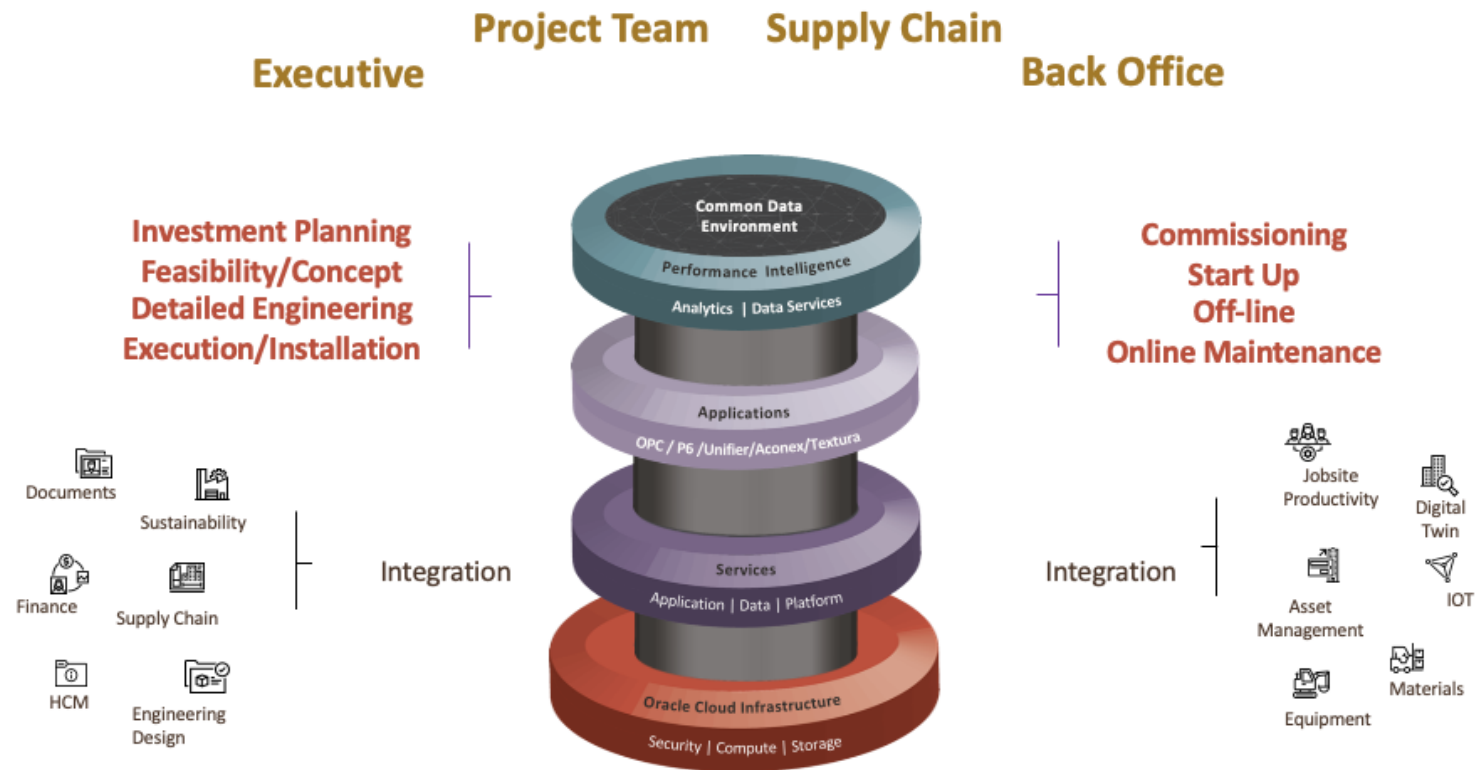
- First and Only, Truly Sovereign Cloud
- Designed in collaboration with UK Government and Defence
- Regions are Isolated and Interconnected
- High Resilience,
- Robust Disaster Recovery,
- Comprehensive Security and Compliance
- Cloud Sovereignty; Beyond Just Protecting Data
- Managed by SC Cleared personnel and UK Citizens only
- Secure operations based on secure remote support model (srs)
- Simplified Procurement Process and Pricing Model to Deliver Greater Value, Faster
- G-Cloud procurement
- Universal pricing model
- Helping UK Government Build Resilience and Enhance Citizen Services
- Enabling Successful Multicloud Strategy Execution with Innovative Cloud Interoperability Partnerships



Why transition to OC4?

1. Move from on-premise to SaaS
2. Stay current
3. Expand capabilities
4. Move to a Smart Delivery Platform

Oracle Smart P3M Delivery Platform



THANK YOU

Your Company Logo