

Modernizing IT Systems to Enhance Flexibility and Maximize Value

Hybrid Cloud and IT Virtual Event
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Public Services and
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Canada

Why Cloud?

The Journey to the Cloud must begin with an assessment of the reasons to go to the Cloud including the digital business capabilities sought



Rapid, Agile Solutions

Solutions to meet the new standard for business demand (e.g., NRCan Home Energy Retrofit Grant)



Innovative Solutions

New functionalities not previously available in the GC (e.g., AI for faster translation)



Automation

Driving business efficiency and effectiveness (e.g., improved RP control over building energy use)



Modern Functionality

Business capabilities enable digital service delivery (e.g., MS Teams)

The Cloud is part of the foundation to transform to improve client service experience, business operations and program innovation



Adoption Based on Business and Technical Fit for the Cloud

Leverage a Cloud Product Suitability Assessment Framework for evidence-based decision making...

Business Alignment

Current Effectiveness

Assess the effectiveness of the application portfolio to meet current business needs



Expected Level of Cost/Risk

Ascertain the level of effort for ongoing support and/or migration as well as business and security risk



Future Business Needs

Explore the medium and longer term strategic, and operational priorities for business and service lines



Technical Alignment

Application Health

Review the current health of the application portfolio including life cycle, and retirement or replacement plans



Systems Architecture

Technology assessment across programming languages, database engines and operating systems, etc.



Data and Security

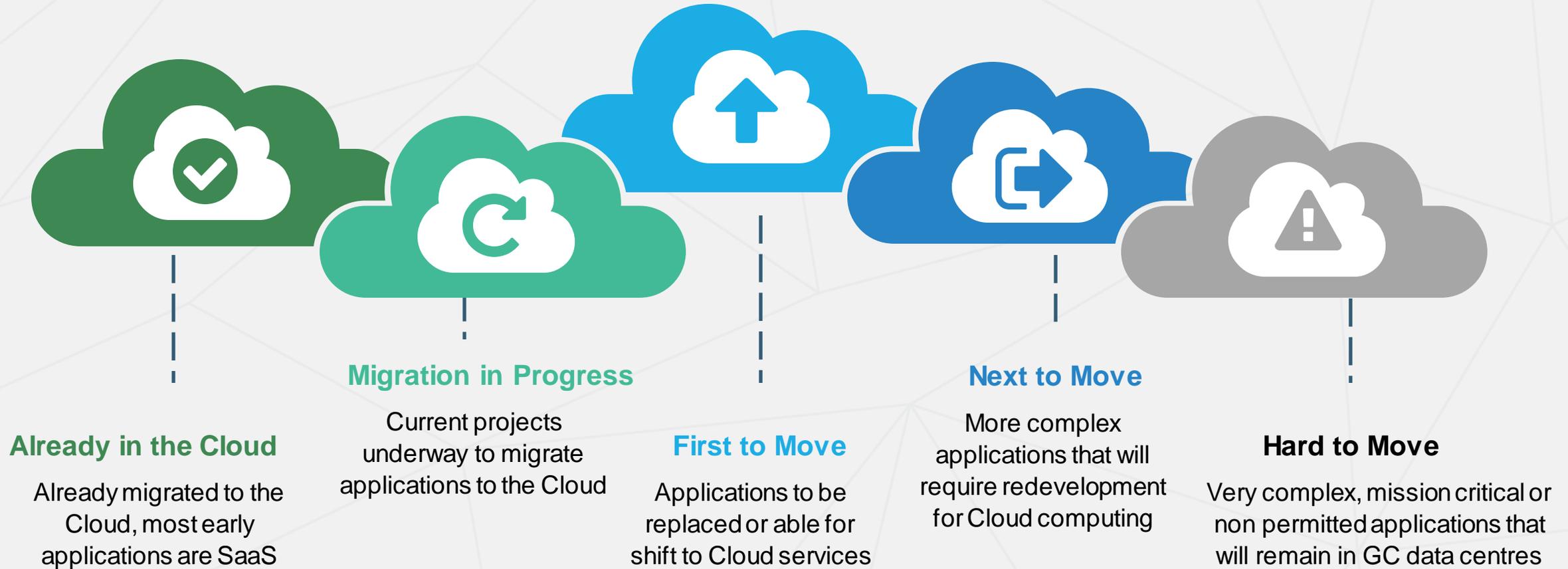
Evaluate privacy and security classification, as well as information management requirements



... and engage business lines directly in the review of the application portfolio for Cloud suitability.

Cloud Product Suitability Assessment

Set clear objectives and targets to guide migration strategies based on data from the suitability framework



Avoid sub-optimal behaviour by moving what “should” go to the Cloud, not what “can” go to the Cloud.

Overview of Cloud Service Models

Cloud computing is a term for anything that involves delivering hosted IM/IT services over the Internet.

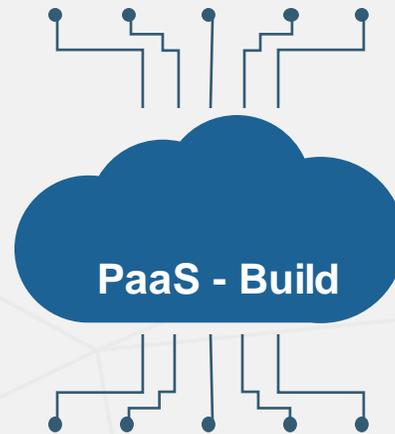
Software as a Service (SaaS)

Software applications available for use online via license or subscription to any user which are fully operated by the service provider



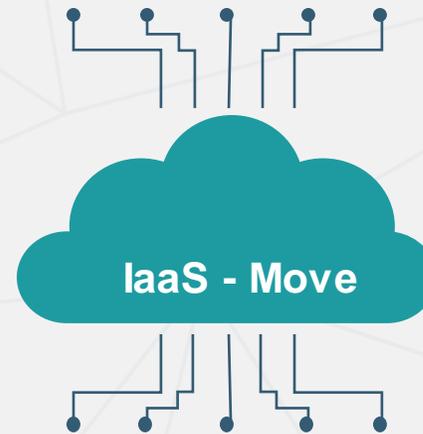
Platform as a Service (PaaS)

Online custom application development and deployment on infrastructure managed by Cloud service providers



Infrastructure as a Service (IaaS)

Capability to construct and control servers, data storage, networks and operating systems – bypassing physical data centres



The Cloud is not homogeneous. It involves a diversity of IT service models, which can be integrated for optimized service delivery. No model is necessarily mutually exclusive, and in the GC context, a hybrid IT approach (Public Cloud, Private Cloud and GC Data Centres) is most likely to ensure secure, effective and efficient business operations.



Business Alignment



Time to Market

Through the Covid-19 pandemic we have seen the pace at which Cloud can alter the IM/IT service landscape. This new standard of rapid deployment of new solutions is only made possible via the Cloud

Deploying COVID Emergency Response Benefit (CERB) in weeks



Culture Change

Cloud enabled modern digital service offerings promotes innovation and changes the way services are delivered including standardizing business processes and application support

Artificial Intelligence and Machine Learning empowers business efficiency



Financial Management

The Cloud is changing the way the GC manages IM/IT from capital to operational expenditures thus the need to adopt new business models and a disciplined approach in the management of IM/IT services.

Business pays for what it consumes - rapid scaling for cyclical or periodic demand without paying for year-round compute power



Risk Management

While organizations seek to be ambitious, sound adoption of Cloud with dynamic risk assessments will maintain a strong security posture while improving flexibility

Automatic business continuity and disaster recovery as well as system elasticity to prevent server crashes



Avant Garde Solutions

Through the Cloud, business lines will no longer be limited by the availability of digital capabilities to support program and service transformation

New emerging applications, device accessibility, collaboration spaces, robotic process automation, etc.

IM/IT Investment Considerations

Cloud Adoption will require upfront investment to advance the strategic and operational implementation as well as transformation of overall financial management of the IM/IT portfolio

Cloud adoption will require organizations to invest in the required business and service transformation

Consideration must also be given to the direct costs to migrate applications to the Cloud as well as the costs to operate those applications once migrated

Integrating Cloud as part of the IM/IT landscape will change operations



A New Budgeting

Cloud is transforming IT investments from a capital investment (CapEx) to operational expenditures (OpEx)

B Consumption Driven

Business empowerment as external and internal Cloud services are costed based directly on usage (metered)

C Optimizing Investment

With proper discipline, optimizing the Cloud lowers the run rate, providing opportunity for service improvement

D New Models

New financial policies and processes will be required across departments guided by central agencies

Digital Capabilities for Digital Government

Digital Government means seamlessly delivering services that, by design, are digitally enabled, client-focused, inclusive and accessible, available, reliable, and secure. This **is enabled through Cloud computing**.

One GC - Integrated operations and data flows support a positive user experience

Modern and effective programs and services that are optimized for digital delivery

Availability of services anywhere, anytime, and from any device

Responsive, secure and dependable information technology services

Avant garde solutions proactive to emerging needs and expectations



The GC must accelerate its digitization of business processes to meet changing expectations, optimize value, and become adaptable so that it can respond faster.

Cloud is the most effective and efficient way for organizations to manage the IT investment portfolio by shifting from intensive maintenance of back-end infrastructure towards a strong focus on service delivery and service excellence.

Questions and Discussion

**THANK
YOU**

