

Cancer Care Ontario
Action Cancer Ontario

The Sky's the Limit

Cancer Care Ontario's Strategic Approach to Cloud

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Agenda

- Background
- Communicating your cloud strategy
- Maintaining assurance in the cloud
- Legal & Privacy Considerations
- Discussion and wrap up



CCO Background

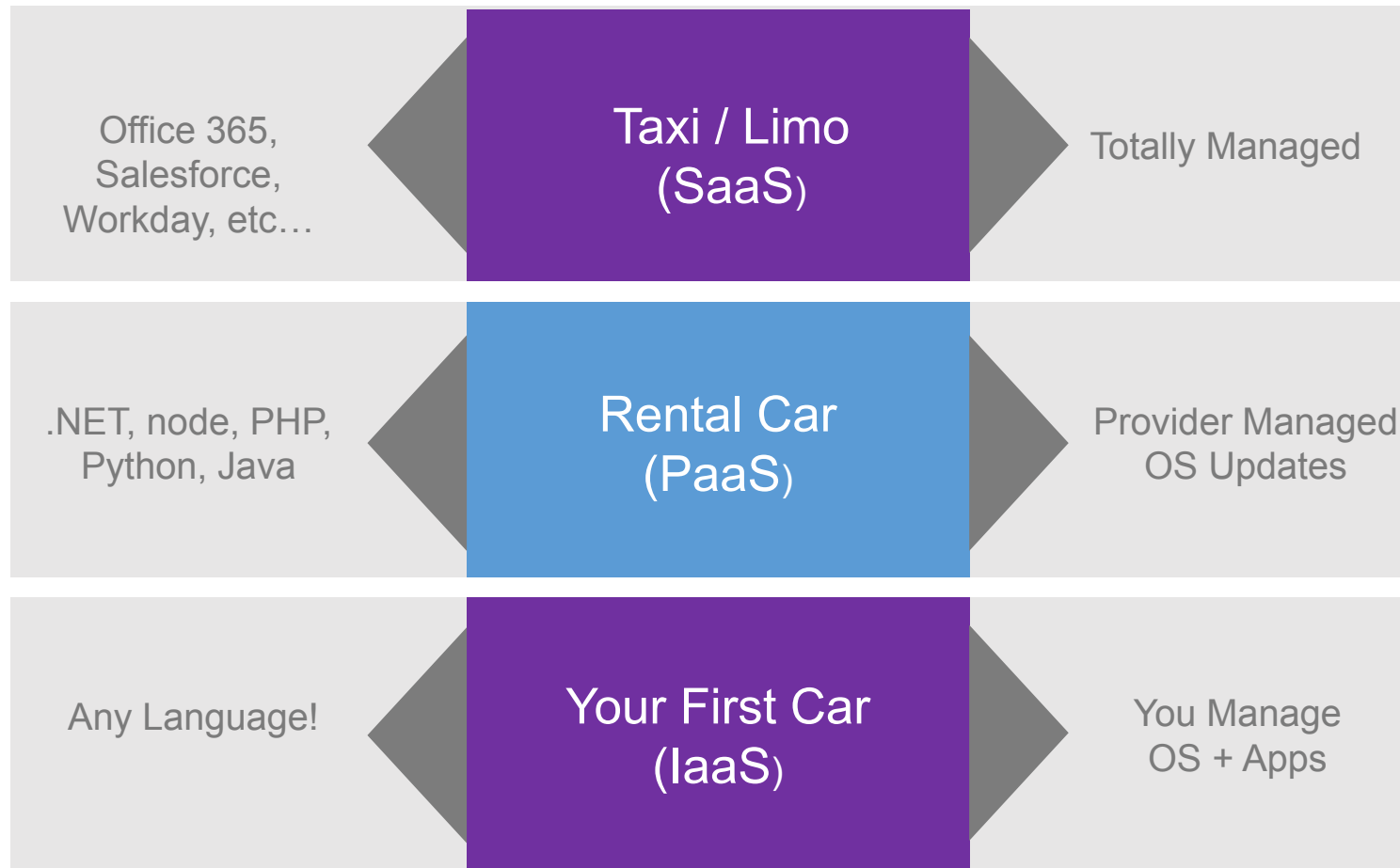
- Provincial healthcare agency
 - Provides support for cancer and other chronic disease (e.g. renal)
 - \approx 1200 full time employees and contingent labour force
- Ontario eHealth agenda delivery partner
 - Data collection, analysis, and presentation
 - Moving towards real time systems
- Sensitive information types



Communicating Your Cloud Strategy



Making Cloud Terminology Concrete



Drivers for CCO Adoption of Cloud

Scalability

Increased ability to address existing capacity challenges (storage, compute, network)

Business Agility

Decreased time to procure and provision for new systems, particularly development and testing

Security

Better controls and reduced cope of security operational management

Sustainability

Better cost models (e.g. pay for use)

Locally Hosted Physical Systems



Pre-2009

Co-Location of Physical and Virtual Systems



2009 to 2013

Cloud Hosting of Virtual Systems



2014 onward

Assurance in the Cloud

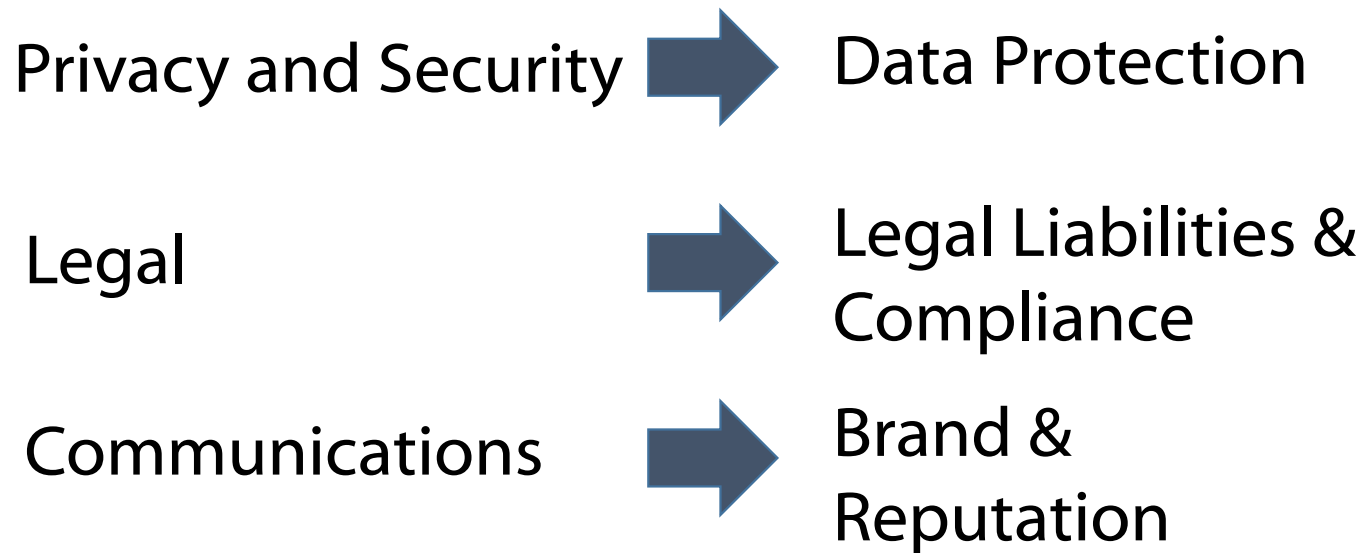


A close-up photograph of Neil Armstrong wearing a space helmet and oxygen mask. He is smiling slightly and looking towards the camera. The background is dark and out of focus, showing some metallic surfaces and equipment.

There can be no great
accomplishment without risk.

Neil Armstrong

The cloud risk management team



“It used to be, everyone was entitled to their own opinion, but not their own facts. But that's not the case anymore. Facts matter not at all. Perception is everything. It's certainty.”

- Stephen Colbert





Busting Some Myths



Healthcare can't use cloud services

Both the federal and provincial privacy commissioners have communicated cloud is acceptable if privacy and security are addressed.

Cloud computing will save you a lot of money

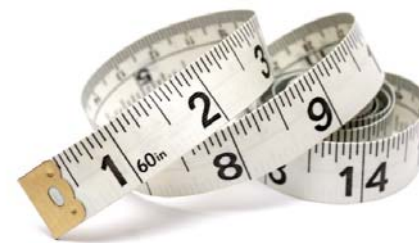
Cloud computing can save money, but it's not a guarantee. A better discussion is about changing cost models and the advantages that change can bring.

Cloud is less secure

Cloud can be more secure. Trust can be established, verified, and maintained.

Maintaining Assurance in the Cloud

- Service Organization Control (SOC) reports
- International Standards
e.g. ISO 27001 + (ISO 27002, ISO 27017, ISO 27018)
- Cloud Security Alliance



Who are you trying to protect against?





**KEEP
CALM
AND
CALL
LEGAL**

Legal & Privacy Considerations

- Restrictions on collecting, using and disclosing information outside of Canada
- Data ownership
- Contractual privacy provisions (e.g. authority, purpose, breach notification, compliance audit, destruction)
- Typical commercial terms (e.g. subcontracting, service levels, confidentiality)



**What's
Next?**





Discussion, Questions, and Answers (*possibly*)

Thank you

