



IUCC – Inter University Computation Center

Cloud Adoption Survey in Academia

June 2020



Background

- Survey goal: Measure public cloud adoption in Academia
 - level of usage
 - reasons to use public cloud
 - challenges facing academic institutions
 - Survey focus: on IaaS/PaaS only
 - Timing: March - May 2020
- As part of cloud adoption survey in all industries in Israel



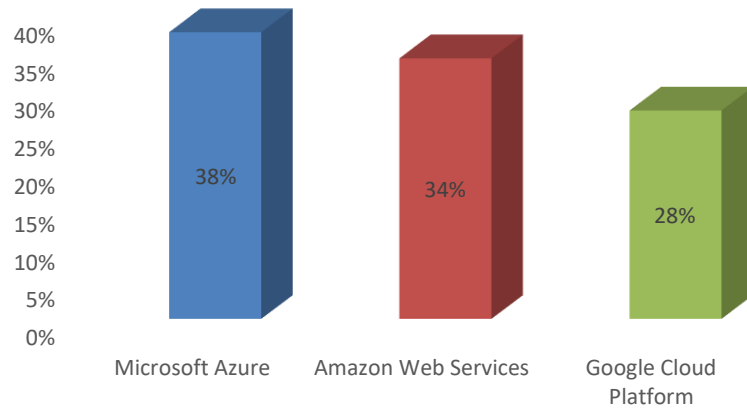
Background /cont.

- Respondents from 12 academic and education institutions 8 of which were from Universities
- The University respondents came from diverse roles: i.e. IT personnel, CIOs, etc.

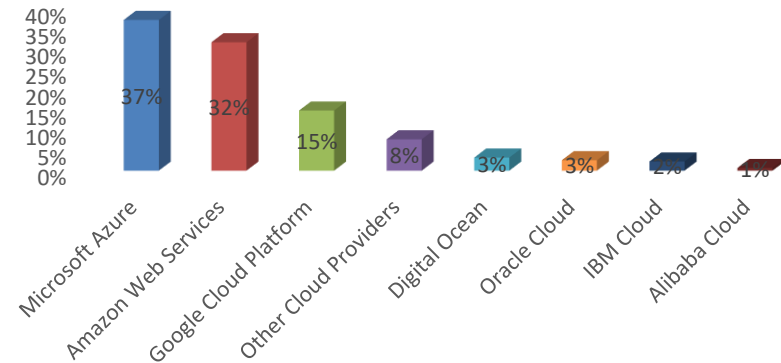


Public Cloud Providers (IaaS / PaaS)

Public Cloud Providers in Academia

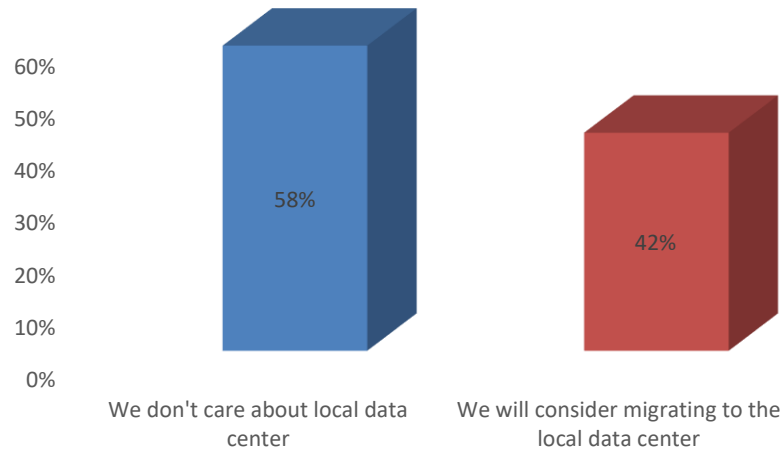


Public Cloud Providers in all Israeli Industries

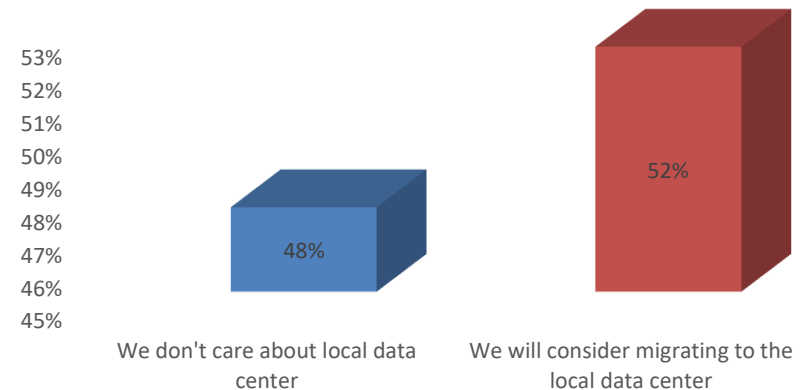


How Important is having a Local Public Cloud Data Center (Region) in Israel?

How Important is Local Region in Israel? (In Academia)

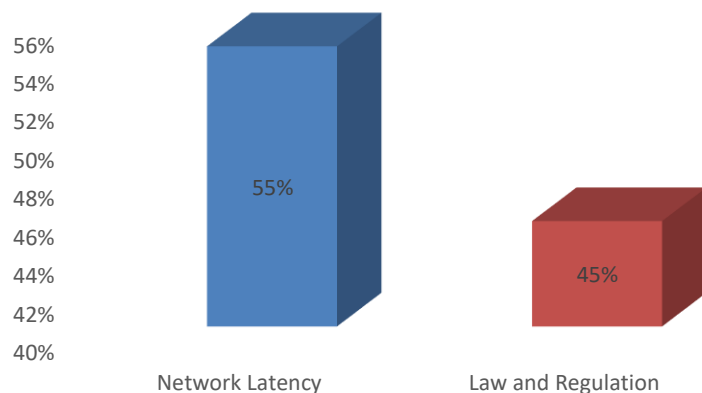


How Important is Local Region in Israel? (In All Israeli Industries)

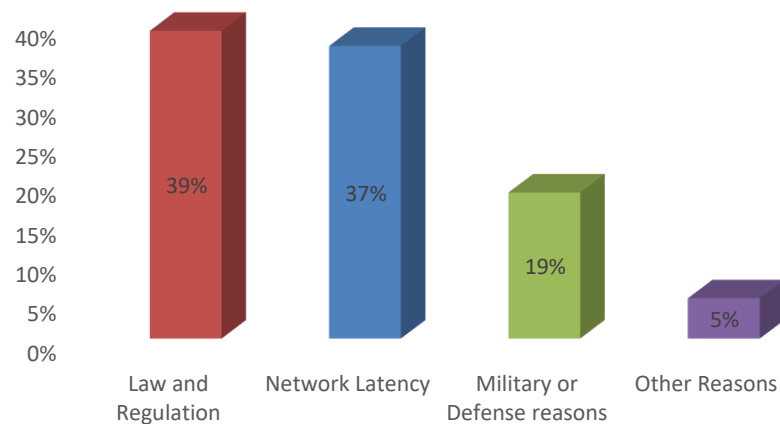


Reasons for Using Public Cloud, in Israel Region

Academia and Education

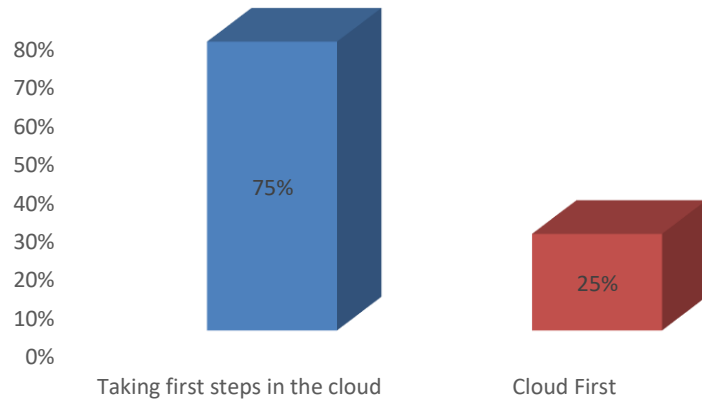


All Israeli Industries

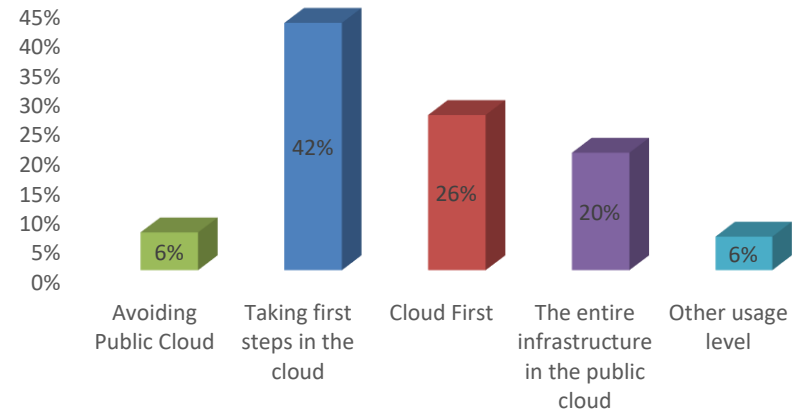


Public Cloud Maturity Level

Academia and Education

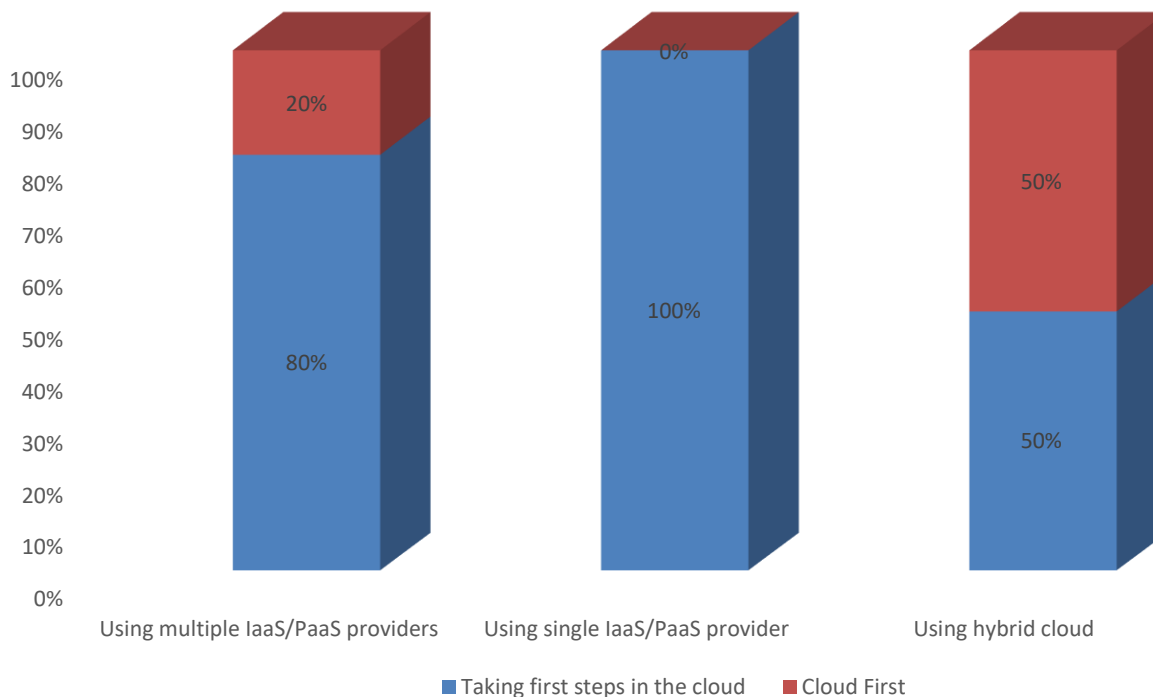


All Israeli Industries



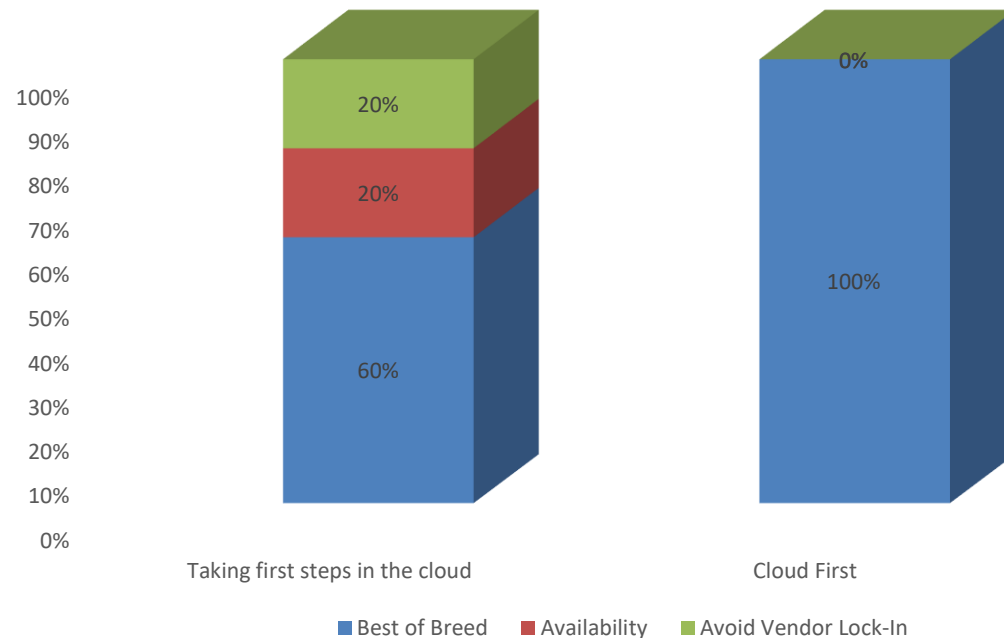
Cloud Topology Relative to Cloud Maturity Level

What is the Cloud Topology in your Organization?



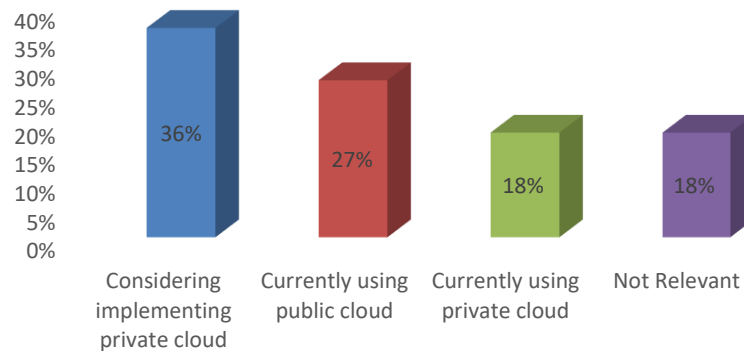
Reasons for using Multi-Cloud vs. Cloud Maturity Level

Multi-Cloud Relative to Cloud Maturity Level

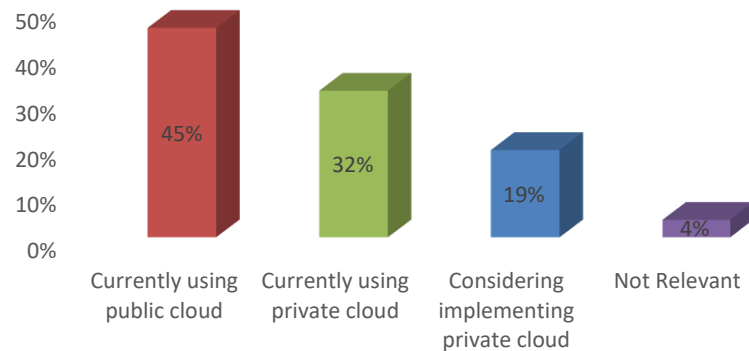


Private Cloud Policy

Private Cloud Policy
(In Academia)



Private Cloud Policy
(In all Israeli Industries)

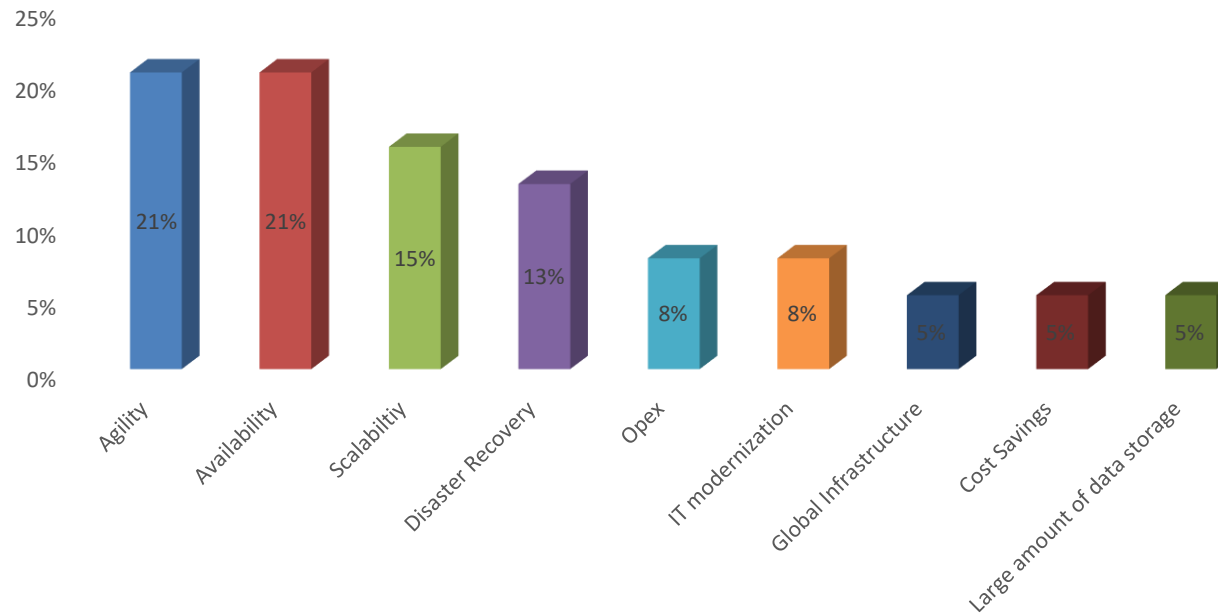


Private Cloud: Azure Stack, OpenShift, OpenStack, VMWare vCloud Director, Nutanix



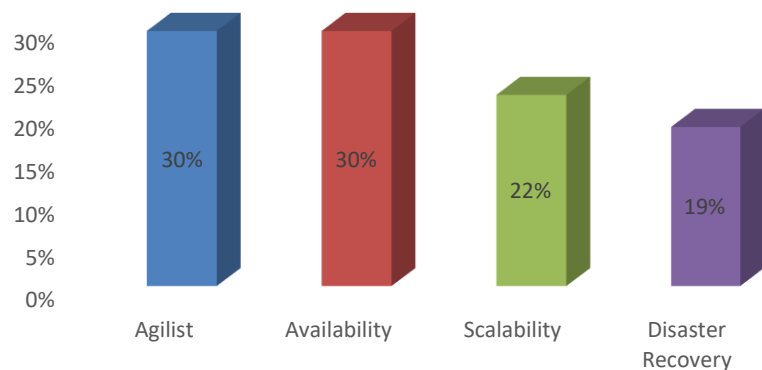
Reasons for using Public Cloud

Reasons for using Public Cloud (In Academia)

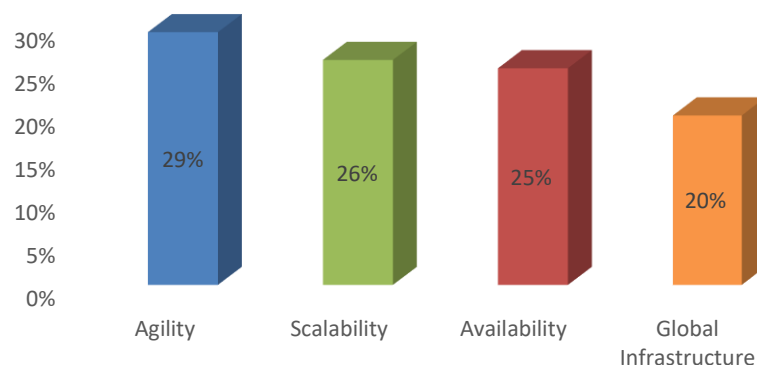


Main Reasons for using Public Cloud – Industry Comparison

Main Reasons for using Public Cloud
(In Academia)

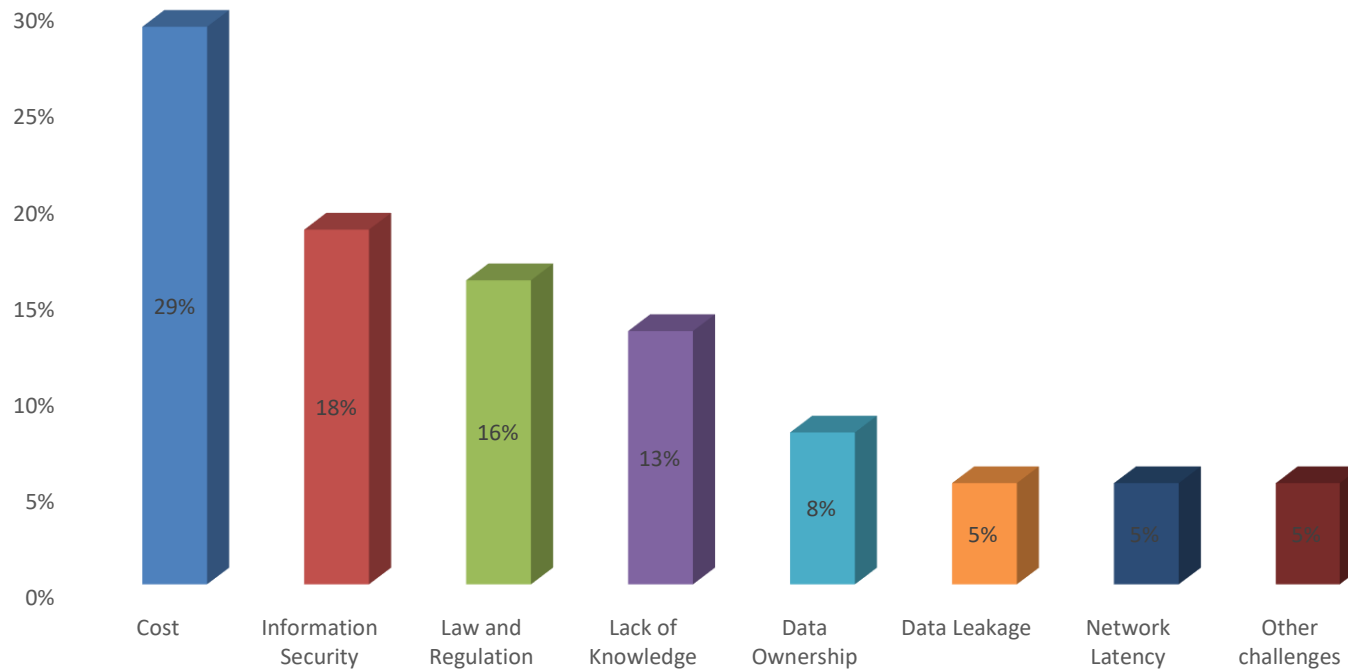


Main Reasons for using Public Cloud
(In all Israeli Industries)



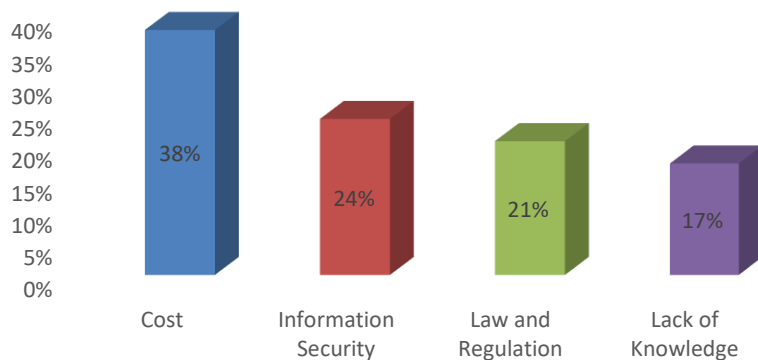
Challenges In Using Public Cloud

Challenges in Using Public Cloud

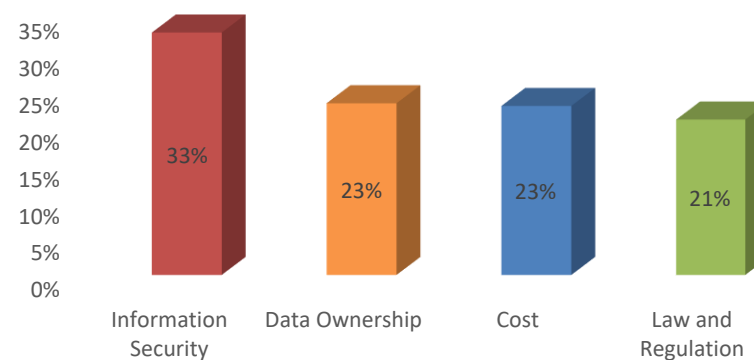


Main Challenges in Using Public Cloud – Industry Comparison

Challenges for using Public Cloud
(In Academia)



Challenges for using Public Cloud
(In all Israeli Industry)



Main Insights from the Survey

- The most popular public cloud vendor is Azure, followed by Amazon Web Services
- The local Israel region is a low priority for academia, while all other industries in Israel are considering migrating to the local region
- The main reason Academia migrates to the local region is network latency. Other industries in Israel consider migration to the local region due to legal and regulatory



Main Insights from the Survey - /cont.

- Most Academic institutions are still taking their first steps in the cloud, as are other industries in Israel
- There is direct correlation between Academic institutions taking their first steps in the cloud and using a single IaaS / PaaS provider
- The main reason for using a multi-cloud model is best-of-breed issues (each cloud provider has its own advantages)



Main Insights from the Survey /cont.

- Most Academic institutions are considering private cloud implementation, while most industries in Israel chose to work with public cloud
- The main reasons for using the public cloud (agility, availability and scalability) may imply that organizations are considering replacing existing IT infrastructure



Main Insights from the Survey /cont.

- The main challenge in Academia for migrating to the public cloud is cost.
- For all other industries in Israel, the main challenge is information security (including data ownership and legal/regulatory)

