

## 10 Seminar Preparation

### Part A

Read Opara-Martins et al (2014) and Morrow et al (2021) and answer the following questions:

#### **1. What are some of the main vendor lock-in issues the authors identify? How would you mitigate them?**

Some of the primary issues with lock-in relationships with vendors are massive price hikes, a decline in the quality of service provided by the vendor, and a shift in the product lineup to the point where it no longer fulfills the requirements of the business.

A few of the mitigating techniques include performing comprehensive evaluations of cloud services, ensuring that data is preserved in a format that is not vendor specific, performing local backups of data, and adopting a hybrid cloud strategy.

#### **2. What are some of the security concerns with the modern cloud? How can these be mitigated?**

The security problems remain the same regardless of whether the data is stored locally on the premises or on the cloud.

Data Breaches, Insider Threats, Lack of Staff Training, Password or Security Policy, Insecure APIs or Misconfigurations are Always a Risk There is always a concern for data breaches, insider threats, and lack of staff training.

In order to protect against these dangers, it will be necessary to conduct routine reviews with both the vendor and the organization-

- Ensure that every default password is changed.
- Verify that the vendor's settings only permit particular multi-factor authentication methods.
- Access controls are in place to determine who can see and edit the data. Both parties' personnel must get security training.
- Ensure Organizations are limited in where and how they may access the cloud.
- Ensure that logging is implemented and reviewed
- Intrusion detection systems are operational and both parties are notified.