

Leaño, Karlo Jim F.

BSIT 4A

Case Analysis: Aging Software

Scenario

An organization still uses a 10-year old accounting app. It works, but lacks security updates and has compatibility issues.

Questions:

- Should they upgrade, maintain, or retire the app?
 - On this case they should upgrade or even replace the app because even it still works it lacks security updates that make the system risky and as it stated there that the app is not keeping up with the current needs so it is better to upgrade specially that it is an accounting app which the data of it is sensitive and important. Upgrading will give more protection against possible attacks and it will also make the system run smoother with new features that support the work of the organization. If they keep using the old app the risk of data loss or error will only grow bigger. By choosing to upgrade they show that they value both the safety of information and the efficiency of the business operation.
- What IKS principle applies (reuse, responsible, upgrading, resource efficiency)?
 - The principle that applies is the responsible upgrading, it is the responsibility of the organization to move to a safer and more updated system while thinking about how to use resources wisely during the transition. This means they should plan the upgrade in a way that the old data is not wasted and can still be used in the new system. They also need to make sure that staff can adjust well so that the change will not cause confusion or extra cost. Responsible upgrading is not just about getting new software but also making sure that the process bring benefit and reduce risk for the organization in the long run.
- How can waste be minimized?
 - Waste can be minimized by migrating useful data from the old app into the new one instead of starting from zero. The organization can also repurpose old hardware if it can still handle light tasks or recycle it properly. Training staff to use the new app effectively also prevents wasted time and mistakes

since it is updated. In this way the resources they already have are not just thrown away but are used in a smarter way. This also show that the upgrade is not only about buying new system but also about making sure that nothing important is wasted during the change. By reusing what is still useful and teaching people how to use the new tools well the organization can save cost and reduce the amount of e waste that will be produced.