**Assignment 1:**

IT environments comprise of complex architectures, various software and hardware nodes, and now encompass cloud and multi-region designs.

For this assignment, you are to develop a plan that will update 300 Windows 2016 servers to Microsoft Windows 2022 within the entire company.

This will involve coordination between teams, as these servers will house many different applications on them, for example Microsoft Exchange, Microsoft SQL servers, Active Directory Services etc.

Your plan should touch on the following points, and your assignment should be no more than 10 pages in length.

It should cover the following aspects:

* What is the approx. time frame for the entire project? (Example should it take one year?)
* Which groups need to be notified for this plan?
* How will each region be upgraded accordingly in a timely fashion?
* What software impacts will there be for moving between Windows 2016 to Windows 2022.
* How long is downtime expected to be for the servers that host critical services, such as Active Directory.
* What back-ups need to be taken?
* Who needs to approve the plan of this?

This is a research-based assignment and will require finding key pieces of information and putting together a plan that will be used by other teams to execute against.