

ECSC 325 – Web Server Administration

Spring 2025 – Section 200

Assignment 2 – 35 points

Create a document with well-written responses to the following items.

Virtual servers are typically always preferred over physical servers. Provide three reasons why system administrators prefer virtual servers over physical servers.

E-mail is typically considered an extremely high-priority service. What high-level key features should an email system have? Why is e-mail considered such an important system?

What is meant by N+1 redundancy? Give a specific example of N+1 redundancy.

If you were going to build a network accessible storage array, what type of RAID would you use? Explain why you chose that specific type of RAID, indicating advantages and disadvantages of speed, storage efficiency, redundancy, and cost.

High availability and fault tolerance are two types of system designs. What do they mean, and how are they different?

What is the difference between single and multi-mode fiber optic cable? Give an example of where each type of fiber should be used.

In a disaster recovery plan, services are often categorized by tier. What is typically the first tier to be brought online? What is in this tier? Why are these services brought online first?

Save your file as Lastname_Firstname_HW2 and submit your file(s) in D2L to the Assignments folder HW2.