Your organization’s data center is located on one of the floors of the building that the organization rents. It has 6 departments: A, B, C, D, E, and F, located on five different floors, and all the subnets have access to the Internet. The directors of departments A and F report to the same executive vice president. The executive vice president is located in the same floor as department A. Also, departments C and F report to the senior vice president, who is in the same floor as department D.

The organization has 15 servers. Privacy has to be maintained while using Internet and network resources. The network servers host personal, organization-wide, departmental, and management data. Each employee can view his or her own personal, departmental, and organization-wide data. Management data can only be viewed and edited by directors, senior vice presidents, and executive vice presidents for each department. Each department has two dedicated servers: one for personal, departmental, and organizational data, and the second server is used to store management data.

The project steering committee has decided that a VLAN is necessary. Provide the design of VLAN that you will recommend for your organization, and explain your reason for recommending the design (use a drawing tool if necessary).

Hints:

* Configure the VLAN so that department F management data going to the department A floor where the office of the executive vice president is located are isolated from other data in department A.
* Configure the VLAN so that department C management data going to the department D floor where the office of the senior vice president is located are isolated from other data in department D.

**This assignment requires a drawing tool.**

**Assignment Guidelines**

* Using the course materials, textbook, and Web resources, gather ideas for how you would like to design the organization's VLAN.
* Using a drawing application, such as Microsoft Visio, design a plan for a VLAN that addresses all of the requirements from the information in the assignment description.
* In a Word document, write 2–3 pages on the following:
	+ How you came to your final VLAN design
	+ Any problems that you came across while designing the VLAN
	+ How you resolved the problems
	+ An analysis of your final VLAN design
* Add your Visio diagram into the Word document, and save the file.

**Please submit your assignment.**

Adhere to APA formatting and reference guidelines when writing your response. Additionally, your response should be free of grammatical errors, use complete sentences, and give specific details to support statements.