**POST (due WED 11:59 pm CST) :**  Re-read the design case on p. 49.  Imagine this situation happened in your assigned company, and the CEO asks you to provide a recommendation between maintaining email services locally, replacing the entire email infrastructure with a SaaS email solution, or purchasing Google Apps for Business.  Your company’s email infrastructure is the same as that in Figure 2-20.  Then answer the following questions:

1. What problems can you anticipate from your company’s current system as shown in Figure 2.20? What are the single points of failure? What would have to happen for the local system to be able to safely handle email service if any of these single points of failure were to fail?

By observing the specified image, we can identify that organization architecture is based on networking inside the internal resources, where power supply and machines making it run continuously is the other task to make the work successful. Web and mobile based email access is one of the most important access to make email accessed from all the places. But keeping a constraint of only one power supply machine, cannot be trusted which can even collapse, and stop the work in between, where it is not said to be a secure and technical way of handling a problem. Depending on one network connection is said to be defiantly not a good idea, because any time network might collapse because of over load, it varies on the load it takes. There said to be only external hard drive , without maintain a backup copy to the receive content, where looking at worst case, if the hard drive failure occur, there would not be any way we can retrieve the content , where this architecture increases huge cost.In order to have a good email service at the time of failure is to have them a backup copy of the email server, so that the latest copy can be taken as a restoration of email service, this might be the situation to safely email back.

1. What features (if any) do the cloud service models (IaaS and SaaS) offer that could not be currently provided locally?

Main feature of Iaas and Saas is to be scalable, Service would not be saved on personal accessories, but instead it would be saved on cloud. Cost would be reduced, and Security increases, where a separate backup can be created in terms of any network failure, hard drive failure, emails can be restored from back up of cloud by the backup created in the cloud embedded on systems becomes easy.

1. During your research, you find that one of the common queries fielded by technical support is restoration of accidentally deleted email. What facilities (if any) does each alternative provide in the restoration of accidentally deleted emails?

Locally creating a good backup and making it decentralized to have a external access to it would safe the situation, but how ever keeping mutli power supply and also to have more network points would help to make the situation better and ensure switching over the situation with the internal resources, increases security, and enhances email restoration in the worst case.   
  
  
**RESPONSES (due FRI11:59 pm CST)**:  Respond to two of your peers' posts.  The new system they have chosen obviously needs to handle email access from a wide variety of mobile devices and traditional email clients such as Thunderbird and Microsoft Outlook. What support does their chosen system provide for email access from these devices?