The proposal will be to design a secure network to include network segmentation, intrusion protection and data loss prevention controls. The project will recommend different asset security classifications in different network segment with appropriate firewall rules between segments, and appropriate monitoring tools at network junctures to give reasonable assurance that only authorized parties have access to information assets, intruders will be noticed, and data loss will be prevented.

Given the nature of the tasks in the project.

* See what references you can come up with for principles of secure network design.
* See what references you can come up with for Information Security Classification
* See what references you can come up with for network segmentation.
* Give us your view of firewall providers in the market at the Money is no Object level, the 50-person company level, and the 50-person company level that is a Microsoft shop and does not want to spend any money.
* Give us your view of monitoring tools for Intrusion Detection and Data Loss Prevention (and anything else that you think appropriate.)
* Start to evaluate what network diagramming tools you wish to use to draw your proposed network.
* Start to evaluate how and if you will deploy your proposed network design
* Start to evaluate how you will test your proposed network design

**Risks**

Data Breach: (Data servers refers to integrity & Confidentiality)

Intruders: (monitoring traffic and spying threaten the confidentiality of information)

Dos attack: (Could render systems useless violates availability)

Identify theft: (Intruder could pretend to be someone he is not)

Malware & virus: (These could infect the end user system and spread to a network)

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