Networking – Examine and assess your current workplace local and overall network.

You have been promoted to ‘Network Enhancement Engineer’ for your organisation.

You have been tasked with the following:

* Assess and present the local network including some simple networking blueprints.
* Identify where key devices and server/comms room(s) are located.
* Examine access and security for these devices and locations.
* Identify weaknesses within the network layout strategy and other aspects such as security, air con, backup power etc.
* Propose solutions to each identified weakness including specific hardware/software and which has the most value.
* Assess and present the overall national/global network including simple networking blueprints.
* Identify where key services and buildings are located.
* Examine access and security for these services and locations.
* Identify aspects that are not efficient or best practise within the network layout strategy.
* Propose solutions to each identified weakness including specific hardware/software and which has the most value.
* If you had the opportunity to design a new site, include aspects you would prioritise from the perspective of a physical and logical network. Include the opportunity for expansion within the site for extra staff and buildings.

If your current employer is not suitable then look at another organisation you are familiar with.

Include, cover page, table of contents, introduction, conclusions, appendices, etc.