Cloud Computing Report

Background of the Enterprise:

Cybersecurity consulting company specializing in penetration testing and security support for multiple customers around the world (Medium/Large Companies).

Current IT Setup:

- In-Office Server Room with one local backup
- Local Office Software Suite (Libreoffice)
- All company data stored on local hard disks

Recommendations:

1. Replace the local server room with multiple cloud servers around the world and backups.
2. Replace Local Office Software with Google Docs so the documents are always saved online without the risk of losing them locally
3. Move the company data to cloud storage online

- The contrast of cloud vs non-cloud solutions for each aspect of the infrastructure:

Local Server Room

Data in one place inside the company is at risk of getting damaged by an electrical accident and there's only one backup inside the same room so passing from a local server room to an online cloud server to elaborate data can always assure multiple servers and backups around the world in case of accidents.

Office Software

Passing to google docs would allow automatic saving of the files on the cloud and live collaboration for the company's teams.

Storage Online

Cloud storage will save the company a lot of internal memory space and avoid the trouble of emptying the hard disks or replacing them so often.

- Recommendation, noting whether non-cloud or cloud, what service level and deployment type is appropriate for each aspect of their infrastructure:

Cloud Servers

1. IaaS
2. Private Deployment

Google Docs

1. SaaS
2. Public Deployment

Storage Online

1. IaaS
2. Private Deployment

- Justification for each final recommendation provided:

- Cloud Servers=>Multiple saves of companies files and backup in case of disaster
- Google Docs=>Automatics saves office files and online collaboration with the team even from remote
- Storage Online=>Save space from the company workstations and allow access from multiple locations