MBI Insurance Company

By Rofiat Ajagbe

Information Security Officer

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ACTIVITY OBJECTIVES

**Problem Definition**

* To identify the hazards(threat and vulnerabilities)
* Classification of recipient of harm created.
* Evaluate risk and decide on precautions

**Approach to solve the problem**

* Use the what question to point to threats of work from home
* Use the who analytical approach to create who and what can be harmed.
* Use how question to assess the risk and pick appropriate mitigation method.

**IDENTIICATION OF THREAT AND VULNERABILITIES**

* DDOS and DOS attack can add to downtime and unreachable data. Thereby causing **unavailability** of information when necessary.
* Lack or inadequate end to end encryption(e2e) of application and home network .This can lead to data loss thereby causing loss of **confidential** Personal Identifiable information.
* Data **integrity** can be compromised if unauthorized modification is made during transfer of data or when data is being cleaned by authorized personnel.
* **Availability** can be affected by loss of hardware or software component i.e. technical infrastructure of the home network

**Who and what can be harmed?**

* Company’s customers.
* Loss of trust in the company.
* Distraught employee.
* Years of accumulated collected data .
* Suppliers chain
* Stakeholders

**Risk evaluation and precaution definition**

* Multi Level authentication ,use of biometrics ,security tokens and crypto keys are safe measures to address the confidentiality breach.
* The file creators can utilize file protection systems to prevent accessibility from threat hackers to to critical documents.
* Data integrity can be ensured by use of checksums and frequent backups.
* Cybersecurity must be created and adhered to strictly.
* Trainings employees on how to detect phishing mails and other