

Information Security Concerns at Boldi AG

- **Confidentiality:**
 - The lack of control over who can access files presents a serious confidentiality risk.
 - Anyone in the company can potentially access sensitive information without proper permissions or oversight.
 - This increases the risk of internal data breaches and unauthorized access to confidential information.
- **Integrity:**
 - Inconsistency in cloud-based systems and paper filing creates challenges in ensuring the accuracy and reliability of information.
 - Inaccurate data and lack of standardization across systems can lead to errors and misinformed decisions.
- **Availability:**
 - The disorganized and inconsistent formats of information could result in delays or inability to access files when needed.
 - Without proper controls, there's a higher risk of losing access to critical files, especially if the cloud system is unreliable or difficult to use.



Types of Risk Assessments: Quantitative vs. Qualitative

Quantitative Risk Assessment:

- **Definition:** A data-driven approach that quantifies risk in financial terms.
- **Key Elements:**
 - Uses metrics such as annual loss expectancy (ALE), exposure factor (EF), and single loss expectancy (SLE).
 - Requires accurate data on past incidents, costs, and potential financial impacts.
- **Advantages:** Clear financial justification for risk management decisions and prioritization of resources.

Qualitative Risk Assessment:

- **Definition:** A subjective, experience-based assessment of risk using categories such as high, medium, or low.
- **Key Elements:**
 - Focuses on interviews, expert opinions, and risk scenarios.
 - Easier to perform when specific financial data is not available or when assessing non-financial impacts.
- **Advantages:** Useful for identifying and prioritizing risks that are difficult to quantify.

Quantitative
versus
Qualitative

Recommended Approach for Boldi AG

Quantitative or Qualitative?

- Given Boldi AG's current disorganization and lack of clear data, a qualitative risk assessment may be more suitable initially.
- Why?
 - With inconsistent systems and a lack of historical data on security incidents, it may be difficult to conduct an accurate quantitative analysis.
 - Qualitative assessments allow you to identify key risks based on expert interviews, the culture of the organization, and high-risk areas that need immediate attention.

