**1. Business Problems Caused by Lack of a Single, Standard Format:**

* **Difficulty in Data Integration:** The two different systems (Linux server and IBM mainframe) may use distinct formats and storage structures, making data consolidation challenging.
* **Inconsistent Data:** Without a standard format, information may be duplicated, inaccurate, or difficult to reconcile.
* **Inefficient Decision-Making:** Data analysis will take longer, potentially leading to delayed or incorrect business decisions.
* **Increased Costs and Risks:** Managing and maintaining two separate systems can be costly and increase data security risks.

**2. Challenges in Creating a Database with a Standard Format:**

Developing a unified database involves addressing multiple issues:

* **Data Conversion and Standardization:** A common data format (e.g., data types, measurement units, encoding) must be defined to merge information from both systems.
* **System Integration:** ETL (Extract, Transform, Load) processes may need to be implemented to extract and transform data into a unified structure.
* **Security and Access Control:** Proper access rights must be set up to ensure data protection and restrict unauthorized modifications.

**3. Should Database Specialists or Business Managers Solve These Problems?**

* **Database Specialists:** Responsible for designing, structuring, transforming, integrating, and ensuring data consistency.
* **Business Managers:** Define business requirements, reporting criteria, and analysis needs to ensure the database meets operational demands.
* **Collaboration:** Both groups must work together to ensure the system is technically sound and aligned with business objectives.

**4. Who Should Finalize the Standard Format for the Data Warehouse?**

* **Senior Management, IT Department, and Data Specialists** should collaborate to determine the standard format.
* **Top Executives** should make the final decision based on expert recommendations and business needs.
* **Key Departments (Finance, Sales, Marketing, IT, etc.)** should provide input to ensure the format accommodates all operational areas.

**Conclusion:**

To build an effective data warehouse, the company must establish a standardized data structure that ensures consistency, facilitates analysis, and supports decision-making. This requires cooperation between technical experts and business leaders.