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REVIEWER'S REPORT

Manuscript No.: IJAR-59919

Title: Privacy-by-Design Enterprise Computing Architecture for Secure Data Integration and Saudi PDPL Compliance.

Recommendation:

Accept as it is .....

Accept after minor revision.....

Accept after major revision .....

Do not accept (*Reasons below*) .....

Rating	Excel.	Good	Fair	Poor
Originality		✓		
Techn. Quality		✓		
Clarity		✓		
Significance	✓			

Reviewer Id: JPR-394

Reviewer's Comment for Publication.

The manuscript presents a relevant and timely study proposing a privacy-by-design enterprise computing architecture for secure data integration and compliance with Saudi Arabia's Personal Data Protection Law (PDPL). The study is based on an integrative review of 30 peer-reviewed articles and applies a design-science approach to develop an architecture comprising a regulatory knowledge layer, consent and purpose registry, privacy-aware integration layer, protected storage and analytics, data subject rights services, an accountability layer, and a controlled transfer gateway. The analytical evaluation provides a useful assessment of the proposed architecture, identifying areas with strong, mixed, and limited supporting evidence. The manuscript is logically structured, demonstrates good understanding of privacy engineering mechanisms, and offers practical relevance for Saudi enterprises. Overall, the paper makes a meaningful contribution to enterprise data protection and regulatory compliance. **Minor revision is recommended** to strengthen the methodological explanation, improve the presentation of tables and figures, and ensure consistency in terminology and references.