

REVIEWER'S REPORT

Manuscript No.: IJAR-59424

Title: Kubernetes-Based Cloud-Native Infrastructure for Improving Scalability, Availability and Operational Resilience in Saudi Enterprises.

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-286

Reviewer's Comment for Publication.

The manuscript addresses an important and relevant topic concerning the use of Kubernetes-based cloud-native infrastructure to improve scalability, availability, and operational resilience in Saudi enterprises. The paper provides a structured integrative review of 30 DOI-verified sources published between 2020 and 2025. Its main strength is the integration of scheduling, autoscaling, high availability, observability, security, chaos engineering, and organizational adoption into a unified operational framework. The proposed five-layer reference architecture and its consideration of the Saudi enterprise context offer practical value for cloud-native infrastructure planning.

However, some revisions are recommended before publication. The review methodology should provide more detailed information about the databases searched, search strategies, screening process, and source-selection procedure to improve transparency and reproducibility. The rationale for selecting the final 30 sources should be explained more clearly. The proposed reference architecture would benefit from a more detailed visual presentation, and the manuscript should ensure that all figures and tables are properly formatted and clearly referenced. The discussion should also distinguish more explicitly between findings directly supported by the reviewed studies and recommendations derived by the authors. Finally, the references should be checked for bibliographic accuracy and consistency.

Overall, the manuscript is well organized, technically relevant, and potentially useful to researchers and practitioners working on cloud-native infrastructure. The paper makes a useful contribution by connecting technical reliability mechanisms with enterprise governance and adoption considerations. It is recommended for publication after minor revisions.