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| Book Name: | **Scalable Infrastructure: Building Reliable Distributed Systems** |
| Manuscript Number: | **Ms\_BPR\_5704** |
| Title of the Manuscript:  | **Scalable Infrastructure: Building Reliable Distributed Systems** |
| Type of the Article | **Complete Book** |

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| PART 1: Comments |
|  | Reviewer’s comment**Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | This manuscript provides a thorough exploration of performance optimization in distributed systems, combining theory with practical implementation using AWS and Azure. It offers valuable insights into testing, bottleneck analysis, and system tuning, supporting both academic research and real-world application. The work contributes meaningfully to the field by guiding the design of efficient, scalable, and resilient systems. |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | Since performance optimization is the core focus of Chapter 8 is key, the title should reflect it too. Suggestion**: Scalable Infrastructure: Designing High-Performance and Reliable Distributed Systems** |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | The abstract is ok although the Key Contributions are too wordy and personal making them less formalSugeestion:**Key Contributions**1. **Theory-to-Practice Translation**: Shows how core concepts like the CAP theorem inform real-world architectural decisions.
2. **Cloud-Native Strategies**: Provides actionable guidance for designing resilient systems specifically within AWS and Azure environments.
3. **End-to-End Coverage**: Integrates concerns across architecture, performance, observability, security, and operations into a cohesive framework.
4. **Battle-Tested Patterns**: Features solutions validated in production systems supporting millions of users.

See other comments in manuscript |  |
| **Is the manuscript scientifically, correct? Please write here.**  | Yes, the manuscript is scientifically correct. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | Most of them are sufficient and recent. Too old references should be replaced. |  |
| Is the language/English quality of the article suitable for scholarly communications? | Yes. A few grammatical and stylistic issues in a few sections should be addressed. |  |
| Optional/General comments | This manuscript offers a well-structured, in-depth exploration of building scalable and reliable distributed systems with a strong emphasis on cloud-native implementations using AWS and Azure.A few areas for improvement exist however:1. Some diagrams are missing. The manuscript needs some comparison tables, flow diagrams.
2. Points need to be bulleted in some chapters and aspects or approaches need to be stated as noun phrases.
3. Some chapters lack proper a summary
4. In-Citation is lacking.
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| **PART 2:**  |
|  | Reviewer’s comment | Author’s comment *(if agreed with the reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Are there ethical issues in this manuscript?**  | *(If yes, Kindly please write down the ethical issues here in detail)* |  |

**Reviewer details:**

**Kenneth Besigomwe, Uganda Management Institute, Uganda**