

**Review Form 1.7**

Journal Name:	<b>Journal of Engineering Research and Reports</b>
Manuscript Number:	<b>Ms_JERR_113275</b>
Title of the Manuscript:	<b>Zero Trust Architecture in Cloud Networks</b>
Type of the Article	<b>Original Research Article</b>

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**PART 1: Review Comments**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<p><b><u>Compulsory</u></b> REVISION comments</p> <ol style="list-style-type: none"> <li>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</li> <li>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</li> <li>3. <b>Is the abstract of the article comprehensive?</b></li> <li>4. <b>Are subsections and structure of the manuscript appropriate?</b></li> <li>5. <b>Do you think the manuscript is scientifically correct?</b></li> <li>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></li> </ol> <p><b><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></b></p>	<p>The manuscript is relevant for the scientific community. It contributes through a research study aims to explore the impact of Zero Trust Architecture (ZTA) on cloud networks with the help of qualitative research methodology from the selected studies from 2020 to 2024. The future scope of ZTA has been described in detail by highlighting the requirement of continuous exploration in the digital world requiring cloud network security.</p> <p>The Title of the article is suitable.</p> <p>The structure of the manuscript is appropriate.</p> <p>The manuscript is scientifically correct.</p> <p>There are no relevant issues related to the references used in the manuscript.</p>	
<p><b><u>Minor</u></b> REVISION comments</p> <ol style="list-style-type: none"> <li>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></li> </ol>	<p>The quality of the language used in the manuscript is suitable for scholarly communications.</p>	
<p><b><u>Optional/General</u></b> comments</p>	<ol style="list-style-type: none"> <li>1. The Section Introduction should include how the paper is organized (sections and subsections). It would help to understand the structure of the paper from the beginning.</li> <li>2. The title of the paper is too generic. Suggestion to change the title of the paper, including the main objective of the paper. It explains a researching methodology about Zero Trust Architecture on cloud networks and it presents a study of the status of the art on this topic.</li> <li>3. The Section 2.2 Fundamental Principles of Zero Trust Architecture only present two principles: least privilege and Micro-segmentation. There are other critical principles: <a href="https://www.ncsc.gov.uk/collection/zero-trust-architecture">https://www.ncsc.gov.uk/collection/zero-trust-architecture</a> . Could you, please, consider mentioning other principles?</li> <li>4. The Section 2.3 Implementing Zero Trust in Cloud Network Infrastructure in fact is not</li> </ol>	

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	<p>describing it, it describes other principles as data protection or segmentation. Could you consider integrating both sections 2.2 and 2.3?</p> <p>5. The Section 2.5 Mitigating Insider Threats with Zero Trust doesn't describe the techniques or methods to mitigate the risks, it is only focused on access management. There are other different ways to mitigate it. As recommendation, change the title of this section indicating this specific topic.</p> <p>6. The Section 4 named as Mathematical Models for Analyzing Zero Trust Effectiveness, doesn't detail Mathematical Models. Only one model is presented. Could you, please, describe others and present a brief analysis of them? This comment is critical. It is an important part of the paper.</p> <p>7. Review the grammar and the text. There are some small errors: ". t also includes conducting a literature review of the studies from 2020 to 2024 " or " t includes selecting relevant studies"</p> <p>8. One of the most critical aspects of the paper is that the methodology is explained, but there is not a clear map between the methodology and the results obtained during the researching. Could you, please, clarify in every phase of the methodology proposed the outputs obtained? A simple table should be included with an overview of the phases versus results. This comment is very critical. It is the most critical part of the paper.</p> <p>9. The conclusions of the paper should be clarified. Can this proposal be extrapolated or compared with other frameworks in Cloud Environments as the CSA Cloud Control Matrix?</p> <p>10. In general terms, the paper and conclusions are interesting. An improvement is necessary, including aspects about the methodology and the results obtained.</p>	
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**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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**Reviewer Details:**

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