

# An Investigation of Task Offloading Latency in Edge-Cloud Environment Using Machine Learning Techniques

Publisher: IEEE

Cite This



Joel Hebrew. P ; Prem Kumar. S ; Naveen Raj. R ; Kumar. N All Authors

35

Full

Text Views



## Abstract

Document Sections

I. Introduction

II. Related Work

III. Proposed Methodology

IV. Dataset and Testing

V. Conclusion

**Abstract:**

The volume of information produced by Internet of Things (IoT) gadgets has significantly expanded along with how many of these gadgets are connected to the Internet. Now a day's Edge-Cloud computing has a major roll to store the data. Edge computing is close proximity to the network's edge enables quick data processing and supporting user request. Therefore, we present an Edge-Cloud system design that enables scheduling IoT application offloading operations reducing a massive volume of data being transmitted in the network.

Published in: [2023 9th International Conference on Advanced Computing and Communication Systems \(ICACCS\)](#)**Date of Conference:** 17-18 March 2023**DOI:** [10.1109/ICACCS57279.2023.10112713](https://doi.org/10.1109/ICACCS57279.2023.10112713)**Date Added to IEEE Xplore:** 05 May 2023**Publisher:** IEEE► **ISBN Information:****Conference Location:** Coimbatore, India▼ **ISSN Information:**

Authors

Figures

References

Keywords

Metrics

More Like This

Sign in to Continue Reading

Authors

Figures

References

Keywords

Metrics





IEEE Personal Account	Purchase Details	Profile Information	Need Help?	Follow
CHANGE USERNAME/PASSWORD	PAYMENT OPTIONS  VIEW PURCHASED DOCUMENTS	COMMUNICATIONS PREFERENCES  PROFESSION AND EDUCATION  TECHNICAL INTERESTS	US & CANADA: +1 800 678 4333  WORLDWIDE: +1 732 981 0060  CONTACT & SUPPORT	<a href="#"></a> <a href="#"></a> <a href="#"></a> <a href="#"></a>

[About IEEE Xplore](#) | [Contact Us](#) | [Help](#) | [Accessibility](#) | [Terms of Use](#) | [Nondiscrimination Policy](#) | [IEEE Ethics Reporting](#) | [Sitemap](#) | [IEEE Privacy Policy](#)

A public charity, IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity.

© Copyright 2025 IEEE - All rights reserved, including rights for text and data mining and training of artificial intelligence and similar technologies.