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Patent Search

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| Invention Title | A CONTENT RATING METHOD FOR CLOUD-BASED CONTENT DISTRIBUTION NETWORKS BASED ON THE WEIGHTED SLOPE ONE SCHEM |
| Publication Number | 35/2023 |
| Publication Date | 01/09/2023 |
| Publication Type | INA |
| Application Number | 202341035225 |
| Application Filing Date | 19/05/2023 |
| Priority Number | |
| Priority Country | |
| Priority Date | |
| Field Of Invention | COMMUNICATION |
| Classification (IPC) | H04L0067100100, H04L0067020000, H04L0067102900, H04N0021222000, G06Q0010040000 |

Inventor

| Name | Address | Country |
|----------------------|--|---------|
| Dr. Dheeraj Hebri | Associate Professor, Department of MCA, Srinivas Institute of Technology, Valachil, Mangalore – 574143, Karnataka, India | India |
| Vasudeva Rao A | Associate Professor, Department of Computer Science and Engineering, Avanthi Institute of Engineering and Technology, Cherukupalle (Village), Near Thagarapavalasa Bridge, Vizianagaram (Dist.)-531162 | India |
| Ms. D. Meenakshi | Assistant Professor, Tagore Engineering College, Rathinamangalam, Chennai-600127, Tamilnadu, India | India |
| Dr. B. Selvalakshmi | Assistant Professor, Tagore Engineering College, Rathinamangalam, Chennai-600127, Tamilnadu, India | India |
| Dr. B. Umarani | Professor, Department of Electronics and Communication Engineering, Kongunadu College of Engineering and Technology, Trichy, Tamil Nadu 621215, India | India |
| Dr. M Jogendra Kumar | Associate Professor, Department of Computer Science and Engineering, Koneru Lakshmaiah Education Foundation, Vaddeswaram, AP 522302, India | India |

Applicant

| Name | Address | Country |
|----------------------|--|---------|
| Dr. Dheeraj Hebri | Associate Professor, Department of MCA, Srinivas Institute of Technology, Valachil, Mangalore – 574143, Karnataka, India | India |
| Vasudeva Rao A | Associate Professor, Department of Computer Science and Engineering, Avanthi Institute of Engineering and Technology, Cherukupalle (Village), Near Thagarapavalasa Bridge, Vizianagaram (Dist.)-531162 | India |
| Ms. D. Meenakshi | Assistant Professor, Tagore Engineering College, Rathinamangalam, Chennai-600127, Tamilnadu, India | India |
| Dr. B. Selvalakshmi | Assistant Professor, Tagore Engineering College, Rathinamangalam, Chennai-600127, Tamilnadu, India | India |
| Dr. B. Umarani | Professor, Department of Electronics and Communication Engineering, Kongunadu College of Engineering and Technology, Trichy, Tamil Nadu 621215, India | India |
| Dr. M Jogendra Kumar | Associate Professor, Department of Computer Science and Engineering, Koneru Lakshmaiah Education Foundation, Vaddeswaram, AP 522302, India | India |

Abstract:

ABSTRACT A CONTENT RATING METHOD FOR CLOUD-BASED CONTENT DISTRIBUTION NETWORKS BASED ON THE WEIGHTED SLOPE ONE SCHEME Arguably, the rise in population has been matched by the rapid rate of expansion of internet. Today, some of the prominent companies in information and media technology rely on content advertising to fuel their growth. On the other hand, the insatiable thirst for information coupled with an incessant urge for instant consumption of digital media have made it impossible to overlook content delivery networks. As a cost-effective and robust means, cloud-based content delivery network (CCDN) service has become a core of a CCDN service, lies a cloud-based data center infrastructure. This makes it possible to distribute content load over a large number of storage servers situated at various geographical locations. However, close on the heels of the advantages offered by CCDN service, comes an interminable challenge to stay ahead of high latency when content delivery requests. We propose a collaborative filtering algorithm using weighted slope one method as a model to arrest network latency and optimize storage requirements. Our model demonstrates that it is able to stay ahead of over fitting, and increase accuracy of the results yielded. Using our approach, CCDN service providers will be able to boost content delivery speeds through determination of storage requirements in a flexible and cost-effective manner.

Complete Specification

Description:FORM2

THEPATENTSACT,1970(39of1970)

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THEPATENTRULES,2003

CompleteSpecification

(Seesection10 andrule13)

1. Title of the Invention A CONTENT RATING METHOD FOR CLOUD-BASED CONTENT DISTRIBUTION NETWORKS BASED ON THE WEIGHTED SLOPE ONE SCHEME

2. Applicants

Name Nationality Address

Dr. Dheeraj Hebri Indian Associate Professor, Department of MCA, Srinivas Institute of Technology, Valachil, Mangalore - 574143, Karnataka, India

Vasudeva Rao A Indian Associate Professor, Department of Computer Science and Engineering, Avanathi Institute of Engineering and Technology, Cherukupu (Village), Near Thagarapuvalasa Bridge, Vizianagaram (Dist.)-531162

Ms. D. Meenakshi Indian Assistant Professor, Tagore Engineering College, Rathinamangalam, Chennai-600127, Tamilnadu, India

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Page last updated on: 26/06/2019