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Application Details

APPLICATION NUMBER	202141022963
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	23/05/2021
APPLICANT NAME	1 . Shaik Mohammed Rafi 2 . Dr.Purnendu Shekhar Pandey 3 . G. Venkata Ramana Reddy 4 . Dr Varun V L 5 . Mr. Sankararao Majji 6 . Dr. Harikumar Pallathadka 7 . Dr.J Suresh Goud 8 . G.K.Jakir Hussain 9 . Dr.Manoranjan Dash 10 . Dr Balajee Maram 11 . Kaviyaraj R
TITLE OF INVENTION	A Novel Data Security System using Hybrid Cloud Computing
FIELD OF INVENTION	COMMUNICATION
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ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	11/06/2021

Application Status

APPLICATION STATUS	Awaiting Request for Examination
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➡ Filed ➡ Published ➡ RQ Filed ➡ Under Examination ➡ Disposed

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Patent Search

Invention Title	A Novel Data Security System using Hybrid Cloud Computing		
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Kaviyaraj R	Research Scholar Department of Computer Science and Engineering, SRM IST	India	India

Abstract:

Abstract: Computer without network connectivity is an exception today. Earlier on everyone was using the computer to solve its individual problem. Now a day these problem related application are not available on the standalone desktop, these application are working as a client server application. In this system, server part is available at some remote machine while the client part is available at user's machine. Cloud computing is implemented using the four deployment models private cloud, public cloud, cloud hybrid and community cloud. Some of the user organization feels that the data can be misused by the company who owned the infrastructure. As a result, either they do not use the cloud services hosted on public cloud or the use only some limited services, so negate the use of cloud computing to a great extent. The solution to this is provided by the evolution of hybrid cloud. The corporate that feels security as one of the major issue in migration to cloud computing makes the use of hybrid cloud for their usage.

Complete Specification

Claims:Claims:

1. This model is that in order to decrypt an encrypted data, countless parties (additional than a little threshold number) have to cooperate in decryption protocol. The data is encrypted employing a master key and corresponding confidential key that is public among the giving parties.
2. As the system makes the use of hybrid cloud for storage, so, reducing the storage costs of data as well as some maintenance cost.
3. Cloud usage is reducing the costs of storage, preservation and personnel working on infrastructure.
4. Data lost due to the hardware failures minimized.
5. Due to the use of distributed security key, possibility of cheating at the level of one or another cloud owner is reduced.
6. As the process of encryption and decryption is distributed, this is safer than the existing system.

Description:Field of Innovation:
Integrity and confidentiality play an important and important function in the storage of cloud data. This research deals with data protection issues of decentralized cloud storage, threshold cryptography understanding and implementation. The biggest issue of arranging these cloud storage are to furnish an improved privacy promise and safeguard the issue related to integrity of this data at the remotely un-trusted servers that are deployed in the distributed space. In order to accomplish the said objective, we propose a modified encryption system and incorporate it alongside a safeguard decentralized system having erasure agenda to form a cloud space arrangement, where client generates a hidden data and then participated in agreement by encrypting and decrypting data that is in plaintext jointly.

Background Art:

As fast Internet access becoming a reality in near future, users might use countless services that are available over the Internet. Due to the usage of services over Internet

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FORM 1
THE PATENTS ACT, 1970
(39 of 1970)
&
THE PATENTS RULES, 2003
APPLICATION FOR GRANT OF PATENT
[See sections 7,54 & 135 and rule 20(1)]

(FOR OFFICE USE ONLY)

Application No.:

Filing Date:

Amount of Fee Paid:

CBR No.:

Signature:

1. APPLICANT(S):

Sr.No.	Name	Nationality	Address	Country	State
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3	G. Venkata Ramana Reddy	India	Department of Mathematics, Koneru Lakshmaiah Education Foundation Vaddeswaram	India	Andhra Pradesh
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6	Dr. Harikumar Pallathadka	India	Director, Manipur International University, Imphal	India	Manipur
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9	Dr.Manoranjan Dash	India	Associate Professor Siksha O Anusandhan Deemed to be University Kalinga Nagar	India	Orissa
10	Dr Balajee Maram	India	Associate Professor, Department of CSE, GMR	India	Andhra Pradesh

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11	Kaviyaraj R	India	Research Scholar Department of Computer Science and Engineering, SRM IST	India	Tamil Nadu

2. INVENTOR(S):

Sr.No.	Name	Nationality	Address	Country	State
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3	G. Venkata Ramana Reddy	India	Department of Mathematics, Koneru Lakshmaiah Education Foundation Vaddeswaram	India	Andhra Pradesh
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5	Mr. Sankararao Majji	India	Assistant Professor Department of ECE GRIET, Hyderabad, Telangana	India	Telangana
6	Dr. Harikumar Pallathadka	India	Director, Manipur International University, Imphal	India	Manipur
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9	Dr.Manoranjan Dash	India	Associate Professor Siksha O Anusandhan Deemed to be University Kalinga Nagar	India	Orissa
10	Dr Balajee Maram	India	Associate Professor, Department of CSE, GMR Institute of Technology(Autonomous), Rajam.	India	Andhra Pradesh

11	Kaviyaraj R	India	Research Scholar Department of Computer Science and Engineering, SRM IST	India	Tamil Nadu
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3. TITLE OF THE INVENTION: A Novel Data Security System using Hybrid Cloud Computing

4. ADDRESS FOR CORRESPONDENCE OF APPLICANT / AUTHORISED PATENT AGENT IN INDIA:

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5. PRIORITY PARTICULARS OF THE APPLICATION(S) FILED IN CONVENTION COUNTRY:

Sr.No.	Country	Application Number	Filing Date	Name of the Applicant	Title of the Invention
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6. PARTICULARS FOR FILING PATENT COOPERATION TREATY (PCT) NATIONAL PHASE APPLICATION:

International Application Number	International Filing Date as Allotted by the Receiving Office
PCT//	

7. PARTICULARS FOR FILING DIVISIONAL APPLICATION

Original (first) Application Number	Date of Filing of Original (first) Application
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8. PARTICULARS FOR FILING PATENT OF ADDITION:

Main Application / Patent Number:	Date of Filing of Main Application
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9. DECLARATIONS:

(i) Declaration by the inventor(s)

I/We, Shaik Mohammed Rafi, Dr. Purnendu Shekhar Pandey, G. Venkata Ramana Reddy, Dr. Varun V L, Mr. Sankararao Majji, Dr. Harikumar Pallathadka, Dr. J Suresh Goud, G.K. Jakir Hussain, Dr. Manoranjan Dash, Dr. Balajee Maram, Kaviyaraj R, is/are the true & first inventor(s) for this invention and declare that the applicant(s) herein is/are my/our assignee or legal representative.

(a) Date: 23/05/2021

(b) Signature(s) of the inventor(s):

(c) Name(s): Shaik Mohammed Rafi, Dr. Purnendu Shekhar Pandey, G. Venkata Ramana Reddy, Dr. Varun V L, Mr. Sankararao Majji, Dr. Harikumar Pallathadka, Dr. J Suresh Goud, G.K. Jakir Hussain, Dr. Manoranjan Dash, Dr. Balajee Maram, Kaviyaraj R

(ii) Declaration by the applicant(s) in the convention country

I/We, the applicant(s) in the convention country declare that the applicant(s) herein is/are my/our assignee or legal representative.

(a) Date: 23/05/2021

(b) Signature(s) :

S. Rafi Pandey G. Venkata Ramana Reddy Dr. Varun V L, Mr. Sankararao Majji, Dr. Harikumar Pallathadka, Dr. J Suresh Goud, G.K. Jakir Hussain, Dr. Manoranjan Dash, Dr. Balajee Maram, Kaviyaraj R

(c) Name(s) of the singnatory: Shaik Mohammed Rafi, Dr. Purnendu Shekhar Pandey, G. Venkata Ramana Reddy, Dr. Varun V L, Mr. Sankararao Majji, Dr. Harikumar Pallathadka, Dr. J Suresh Goud, G.K. Jakir Hussain, Dr. Manoranjan Dash, Dr. Balajee Maram, Kaviyaraj R

(iii) Declaration by the applicant(s)

- The Complete specification relating to the invention is filed with this application.
- I am/We are, in the possession of the above mentioned invention.
- There is no lawful ground of objection to the grant of the Patent to me/us.
- I am/We are, the assignee or legal representative to true first inventors.

10. FOLLOWING ARE THE ATTACHMENTS WITH THE APPLICATION:

Sr.	Document Description	FileName
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I/We hereby declare that to the best of my/our knowledge, information and belief the fact and matters stated hering are correct and I/We request that a patent may be granted to me/us for the said invention.

Dated this(Final Payment Date): 23/05/2021

Signature: .....

Name: Kaviyaraj R

To The Controller of Patents

The Patent office at CHENNAI

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