

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202441011985 A

(19) INDIA

(22) Date of filing of Application :21/02/2024

(43) Publication Date : 08/03/2024

(54) Title of the invention : SECURE FILE STORAGE SYSTEM ON CLOUD USING CRYPTOGRAPHY

<p>(51) International classification :H04L0009060000, G06F0021620000, H04L0009080000, G06F0021600000, H04L0009320000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant :  <b>1)KATHI CHANDRA MOULI</b>  Address of Applicant :Gokaraju Rangaraju Institute of Engineering &amp; Technology, Nizampet Rd, Kukatpally, Hyderabad, Telangana 500090. -----</p> <p><b>2)Dr. MAMTA THAKUR</b>  <b>3)N P RAJU PASUPULETI</b>  <b>4)KONDAPALLI KRISHNA</b>  <b>5)EDIGA LINGAPPA</b>  <b>6)P. SWETHA</b>  <b>7)Dr.P.JAMUNA DEVI</b>  <b>8)MALOTH SRINIVAS</b>  Name of Applicant : NA  Address of Applicant : NA</p> <p>(72)Name of Inventor :  <b>1)KATHI CHANDRA MOULI</b>  Address of Applicant :Gokaraju Rangaraju Institute of Engineering &amp; Technology, Nizampet Rd, Kukatpally, Hyderabad, Telangana 500090. -----</p> <p><b>2)Dr. MAMTA THAKUR</b>  Address of Applicant :Chaitanya Bharathi Institute of Technology, Osman Sagar Rd, Kokapet, Gandipet, Hyderabad, Telangana 500075. -----</p> <p><b>3)N P RAJU PASUPULETI</b>  Address of Applicant :FEV India – Technical Center FEV India Private Limited A-21, Talegaon, MIDC Pune – 410507. -----</p> <p><b>4)KONDAPALLI KRISHNA</b>  Address of Applicant :Sri Indu College Of Engineering &amp; Technology, Facing Main Road, Sheriguda , Ibrahimpatan, R.R Dist. 501 510. -----</p> <p><b>5)EDIGA LINGAPPA</b>  Address of Applicant :MallaReddy College of Engineering, Maisamaguda, Dhulapally, post via Kompally, Secunderabad-500100. -----</p> <p><b>6)P. SWETHA</b>  Address of Applicant :St.Martin's Engineering College, Sy. No.98 &amp; 100, Dhulapally Road, Dhulapally, Near Kompally, Medchal Malkajgiri district, Secunderabad-500100, Telangana, India. -----</p> <p><b>7)Dr.P.JAMUNA DEVI</b>  Address of Applicant :A.D.M. College for Women (Autonomous), No.1, College Road, Nambiyar Nagar, Nagapattinam, Tamil Nadu 611001. -----</p> <p><b>8)MALOTH SRINIVAS</b>  Address of Applicant :St.Martin's Engineering College, Sy. No.98 &amp; 100, Dhulapally Road, Dhulapally, Near Kompally, Medchal Malkajgiri district, Secunderabad-500100, Telangana, India. -----</p>
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(57) Abstract :

Cloud is used in various fields like industry, military, college, etc. for various services and storage of huge amount of data. Data stored in this cloud can be accessed or retrieved on the users request without direct access to the server computer. But the major concern regarding storage of data online that is on the cloud is the Security. This Security concern can be solved using various ways, the most commonly used techniques are cryptography and steganography. But sometimes a single technique or algorithm alone cannot provide high-level security. So we have introduces a new security mechanism that uses a combination of multiple cryptographic algorithms of symmetric key and steganography. In this proposed system 3DES (Triple Data Encryption Standard) and AES (Advanced Encryption Standard) algorithms are used to provide security to data. All the algorithms use 128-bit keys. LSB steganography technique is used to securely store the key information. Key information will contain the information regarding the encrypted part of the file, the algorithm and the key for the algorithm. File during encryption is split into three parts. These individual parts of the file will be encrypted using different encryption algorithm simultaneously with the help of multithreading technique. The key information is inserted into an image using the LSB technique. Our methodology guarantees better security and protection of customer data by storing encrypted data on a single cloud server, using AES, DES and RC6 algorithm.

No. of Pages : 12 No. of Claims : 5