

- 8+ Years of Excellence in IEEE Project development for universities across INDIA, USA, UK, AUSTRALIA, SWEDEN.
- Expert developers in JAVA , DOT NET , ANDROID , PHP, MATLAB , NS2 , NS3 , VLSI ,CLOUD SIM, TANNER , MICROWIND , EMBEDDED , ROBOTICS , MECHANICAL , MECHATRONICS , WIRELESS NETWORKS, OPNET , OMNET
- Over 11000+ projects , 425 clients - MICANS INFOTECH provides IEEE & application projects for CSE,IT,ECE,EEE,MECH,CIVIL,MCA,M.TECH,M.PHILL,MBA,DME,MS,PHD.

Projects with FUTURE WORK / LIVE DEVELOPMENT / FACE TO FACE CLASSES

ONLY PROJECT CENTER WITH OWN DEVELOPERS - CSE, IT,ECE,MECH,CIVIL,EEE

PONDICHERRY – VILLUPURAM – CUDDALORE-CHENNAI

DEYPOS: DEDUPLICATABLE DYNAMIC PROOF OF STORAGE FOR MULTI-USER ENVIRONMENTS

ABSTRACT

Dynamic Proof of Storage (PoS) is a useful cryptographic primitive that enables a user to check the integrity of outsourced files and to efficiently update the files in a cloud server. Although researchers have proposed many dynamic PoS schemes in singleuser environments, the problem in multi-user environments has not been investigated sufficiently. A practical multi-user cloud storage system needs the secure client-side cross-user deduplication technique, which allows a user to skip the uploading process and obtain the ownership of the files immediately, when other owners of the same files have uploaded them to the cloud server. To the best of our knowledge, none of the existing dynamic PoSs can support this technique. In this paper, we introduce the concept of deduplicatable dynamic proof of storage and propose an efficient construction called DeyPoS, to achieve dynamic PoS and secure cross-user deduplication, simultaneously.

MICANSINFOTECH PVT LTD : CADD COLLEGE : MICANS BANKING SCHOOL

No: 19, SIVAM TOWERS, III FLOOR, IG SQUARE,
VILLIANUR ROAD, PUDUCHERRY

No 798 c, NEHRUJI ROAD, VILLUPURAM
OPPOSITE TO MARKET COMMITTEE

WWW.MICANSINFOTECH.COM ; micansinfotech@gmail.com; +91 90036 28940; +91 94435 11725

WWW.MATLABPROJECTS.COM; WWW.MICANS.IN; WWW.MICANSIEEEPROJECTKART.COM

- 8+ Years of Excellence in IEEE Project development for universities across INDIA, USA, UK, AUSTRALIA, SWEDEN.
- Expert developers in JAVA , DOT NET , ANDROID , PHP, MATLAB , NS2 , NS3 , VLSI ,CLOUD SIM, TANNER , MICROWIND , EMBEDDED , ROBOTICS , MECHANICAL , MECHATRONICS , WIRELESS NETWORKS, OPNET , OMNET
- Over 11000+ projects , 425 clients - MICANS INFOTECH provides IEEE & application projects for CSE,IT,ECE,EEE,MECH,CIVIL,MCA,M.TECH,M.PHILL,MBA,DME,MS,PHD.

Projects with FUTURE WORK / LIVE DEVELOPMENT / FACE TO FACE CLASSES

ONLY PROJECT CENTER WITH OWN DEVELOPERS - CSE, IT,ECE,MECH,CIVIL,EEE

PONDICHERRY – VILLUPURAM – CUDDALORE-CHENNAI

EXISTING SYSTEM:

Data integrity is one of the most important properties when a user outsources its files to cloud storage. Users should be convinced that the files stored in the server are not tampered. Traditional techniques for protecting data integrity, such as message authentication codes (MACs) and digital signatures, require users to download all of the files from the cloud server for verification, which incurs a heavy communication cost . These techniques are not suitable for cloud storage services where users may check the integrity frequently, such as every hour. Thus, researchers introduced *Proof of Storage* (PoS) for checking the integrity without downloading files from the cloud server. Furthermore, users may also require several dynamic operations, such as modification, insertion, and deletion, to update their files, while maintaining the capability of PoS.

DISADVANTAGES:

- ⊙ Message authentication codes incurs a heavy communication cost
- ⊙ Dynamic PoS cannot encode the block indexes into tags, since the dynamic operations may change many indexes of non-updated blocks
- ⊙ There is no dynamic PoS that can support secure cross-user deduplication
- ⊙

MICANSINFOTECH PVT LTD : CADD COLLEGE : MICANS BANKING SCHOOL

No: 19, SIVAM TOWERS, III FLOOR, IG SQUARE,
VILLIANUR ROAD, PUDUCHERRY

No 798 c, NEHRUJI ROAD, VILLUPURAM
OPPOSITE TO MARKET COMMITTEE

WWW.MICANSINFOTECH.COM ; micansinfotech@gmail.com; +91 90036 28940; +91 94435 11725

WWW.MATLABPROJECTS.COM; WWW.MICANS.IN; WWW.MICANSIEEEPROJECTKART.COM

- 8+ Years of Excellence in IEEE Project development for universities across INDIA, USA, UK, AUSTRALIA, SWEDEN.
- Expert developers in JAVA , DOT NET , ANDROID , PHP, MATLAB , NS2 , NS3 , VLSI ,CLOUD SIM, TANNER , MICROWIND , EMBEDDED , ROBOTICS , MECHANICAL , MECHATRONICS , WIRELESS NETWORKS, OPNET , OMNET
- Over 11000+ projects , 425 clients - MICANS INFOTECH provides IEEE & application projects for CSE,IT,ECE,EEE,MECH,CIVIL,MCA,M.TECH,M.PHILL,MBA,DME,MS,PHD.

Projects with FUTURE WORK / LIVE DEVELOPMENT / FACE TO FACE CLASSES

ONLY PROJECT CENTER WITH OWN DEVELOPERS - CSE, IT,ECE,MECH,CIVIL,EEE

PONDICHERRY – VILLUPURAM – CUDDALORE-CHENNAI

PROPOSED SYSTEM:

To the best of our knowledge, this is the first work to introduce a primitive called *deduplicatable dynamic Proof of Storage* (deduplicatable dynamic PoS), which solves the structure diversity and private tag generation challenges. In contrast to the existing authenticated structures, such as skip list and Merkle tree, we design a novel authenticated structure called *Homomorphic Authenticated Tree* (HAT), to reduce the communication cost in both the proof of storage phase and the deduplication phase with similar computation cost. Note that HAT can support integrity verification, dynamic operations, and cross-user deduplication with good consistency. We propose and implement the first efficient construction of deduplicatable dynamic PoS called DeyPoS, which supports unlimited number of verification and update operations. The security of this construction is proved in the random oracle model, and the performance is analyzed theoretically and experimentally.

ADVANTAGE OF PROPOSED SYSTEM:

- ⦿ Reduce the communication cost in both the proof of storage phase and the deduplication phase with similar computation cost.
- ⦿ The security of this construction is proved in the random oracle model.

MICANSINFOTECH PVT LTD : CADD COLLEGE : MICANS BANKING SCHOOL

No: 19, SIVAM TOWERS, III FLOOR, IG SQUARE,
VILLIANUR ROAD, PUDUCHERRY

No 798 c, NEHRUJI ROAD, VILLUPURAM
OPPOSITE TO MARKET COMMITTEE

WWW.MICANSINFOTECH.COM ; micansinfotech@gmail.com; +91 90036 28940; +91 94435 11725

WWW.MATLABPROJECTS.COM; WWW.MICANS.IN; WWW.MICANSIEEEPROJECTKART.COM

- 8+ Years of Excellence in IEEE Project development for universities across INDIA, USA, UK, AUSTRALIA, SWEDEN.
- Expert developers in JAVA , DOT NET , ANDROID , PHP, MATLAB , NS2 , NS3 , VLSI ,CLOUD SIM, TANNER , MICROWIND , EMBEDDED , ROBOTICS , MECHANICAL , MECHATRONICS , WIRELESS NETWORKS, OPNET , OMNET
- Over 11000+ projects , 425 clients - MICANS INFOTECH provides IEEE & application projects for CSE,IT,ECE,EEE,MECH,CIVIL,MCA,M.TECH,M.PHILL,MBA,DME,MS,PHD.

Projects with FUTURE WORK / LIVE DEVELOPMENT / FACE TO FACE CLASSES

ONLY PROJECT CENTER WITH OWN DEVELOPERS - CSE, IT,ECE,MECH,CIVIL,EEE

PONDICHERRY – VILLUPURAM – CUDDALORE-CHENNAI

SYSTEM SPECIFICATION

HARDWARE REQUIREMENTS

- Processor - Pentium –III
- Speed - 1.1 Ghz
- RAM - 256 MB(min)
- Hard Disk - 20 GB
- Floppy Drive - 1.44 MB
- Key Board - Standard Windows Keyboard
- Mouse - Two or Three Button Mouse
- Monitor - SVGA

SOFTWARE REQUIREMENTS

- Operating System : Windows 8
- Front End : Java
- Database : Mysql

MICANSINFOTECH PVT LTD : CADD COLLEGE : MICANS BANKING SCHOOL

No: 19, SIVAM TOWERS, III FLOOR, IG SQUARE,
VILLIANUR ROAD, PUDUCHERRY

No 798 c, NEHRUJI ROAD, VILLUPURAM
OPPOSITE TO MARKET COMMITTEE

WWW.MICANSINFOTECH.COM ; micansinfotech@gmail.com; +91 90036 28940; +91 94435 11725

WWW.MATLABPROJECTS.COM; WWW.MICANS.IN; WWW.MICANSIEEEPROJECTKART.COM