

# List of Projects in Cloud Computing

## S-Logix

No.5, (Old No.1), First Floor, 4th Street, Dr.Subbarayan Nagar,  
Kodambakkam, Chennai-600024. (Landmark: Swamiyarmadam).

Mobile: 81240 01111, 9710999001

E-Mail: [pro@slogix.in](mailto:pro@slogix.in)

1. Revocable Identity-Based Access Control for Big Data with Verifiable Outsourced Computing, IEEE Transactions on Big Data, April 2017 [Java].
2. Attribute-Based Storage Supporting Secure Deduplication of Encrypted Data in Cloud, IEEE Transactions on Big Data, January 2017 [Java].
3. Secure Authentication in Cloud Big Data with Hierarchical Attribute Authorization Structure, IEEE Transactions on Big Data, May 2017 [Java].
4. Privacy-Preserving Data Encryption Strategy for Big Data in Mobile Cloud Computing, IEEE Transactions on Big Data, May 2017 [Java].
5. Heterogeneous Data Storage Management with Deduplication in Cloud Computing, IEEE Transactions on Big Data, May 2017 [Java].
6. PPHOPCM: Privacy-preserving High-order Possibilistic c-Means Algorithm for Big Data Clustering with Cloud Computing, IEEE Transactions on Big Data, May 2017 [Java].
7. NPP: A New Privacy-Aware Public Auditing Scheme for Cloud Data Sharing with Group Users, IEEE Transactions on Big Data, May 2017 [Java].
8. Scheduling for Workflows with Security-Sensitive Intermediate Data by Selective Tasks Duplication in Clouds, IEEE Transactions on Parallel and Distributed Systems, March 2017 [Java/WorkflowSim]
9. Using imbalance characteristic for fault-tolerant workflow scheduling in Cloud Systems, IEEE Transactions on Parallel and Distributed Systems, March 2017 [Java/WorkflowSim]
10. Holistic Virtual Machine Scheduling in Cloud Datacenters towards Minimizing Total Energy, IEEE Transactions on Parallel and Distributed Systems, March 2017 [Java/CloudSim]
11. Cluster-Aware Virtual Machine Collaborative Migration in Media Cloud, IEEE Transactions on Parallel and Distributed Systems, April 2017 [Java/CloudSim]
12. Scientific Workflow Mining in Clouds, IEEE Transactions on Parallel and Distributed Systems, April 2017 [Java/CloudSim]

13. An Energy-efficient Storage Strategy for Cloud Datacenters based on Variable K-Coverage of a Hypergraph, IEEE Transactions on Parallel and Distributed Systems, July 2017 [Java/CloudSim]
14. Virtual Machine Consolidation with Multiple Usage Prediction for Energy-Efficient Cloud Data Centers, IEEE Transactions on Services Computing, January 2017 [Java/CloudSim]
15. A Hybrid Bio-Inspired Algorithm for Scheduling and Resource Management in Cloud Environment, IEEE Transactions on Services Computing, March 2017 [Java/CloudSim]
16. Assessing Invariant Mining Techniques for Cloud-based Utility Computing Systems, IEEE Transactions on Services Computing, March 2017 [Java]
17. TAFC: Time and Attribute Factors Combined Access Control for Time-Sensitive Data in Public Cloud, IEEE Transactions on Services Computing, April 2017 [Java]
18. Optimal Load Distribution for the Detection of VM-based DDoS Attacks in the Cloud, IEEE Transactions on Services Computing, April 2017 [Java/CloudSim]
19. Availability-aware Virtual Cluster Allocation in Bandwidth-Constrained Datacenters, IEEE Transactions on Services Computing, April 2017 [Java/CloudSim]
20. Deadline Flow Scheduling in Datacenters with Time-Varying Bandwidth Allocations, IEEE Transactions on Services Computing, May 2017 [Java/CloudSim]
21. Deadline Flow Scheduling in Datacenters with Time-Varying Bandwidth Allocations, IEEE Transactions on Services Computing, May 2017 [Java/CloudSim]
22. Dynamic Outsourced Auditing Services for Cloud Storage Based on Batch-Leaves-Authenticated Merkle Hash Tree, IEEE Transactions on Services Computing, May 2017 [Java]
23. Full Verifiability for Outsourced Decryption in Attribute Based Encryption, IEEE Transactions on Services Computing, May 2017 [Java]
24. An Efficient Public Auditing Protocol with Novel Dynamic Structure for Cloud Data, IEEE Transactions on Information Forensics and Security, May 2017 [Java]
25. FastGeo: Efficient Geometric Range Queries on Encrypted Spatial Data, IEEE Transactions on Dependable and Secure Computing, March 2017 [Java]
26. Cryptographic Solutions for Credibility and Liability Issues of Genomic Data, IEEE Transactions on Dependable and Secure Computing, April 2017 [Java]
27. Combinational Auction Based Service Provider Selection in Mobile Edge Computing Networks, IEEE Access, July 2017 [Java/Cloudsim]
28. Mobile Cloud-Based Big Healthcare Data Processing in Smart Cities, IEEE Access, May 2017 [Java/Cloudsim]

29. Virtual Machine Migration Planning in Software-Defined Networks, IEEE Transactions on Cloud Computing, May 2017 [Java/Cloudsim]
30. Application-Aware Big Data Deduplication in Cloud Environment, IEEE Transactions on Cloud Computing, May 2017 [Java/Cloudsim]
31. Achieving Secure, Universal, and Fine-Grained Query Results Verification for Secure Search Scheme over Encrypted Cloud Data, IEEE Transactions on Cloud Computing, May 2017 [Java]
32. Fast Phrase Search for Encrypted Cloud Storage, IEEE Transactions on Cloud Computing, May 2017 [Java]
33. Publicly Verifiable Boolean Query Over Outsourced Encrypted Data, IEEE Transactions on Cloud Computing, March 2017 [Java]
34. Securing Aggregate Queries for DNA Databases, IEEE Transactions on Cloud Computing, March 2017 [Java]
35. Online Inter-Datacenter Service Migrations, IEEE Transactions on Cloud Computing, March 2017 [Java/Cloudsim]
36. A Markov Random Field Based Approach for Analyzing Supercomputer System Logs, IEEE Transactions on Cloud Computing, March 2017 [Java]
37. Multimedia Processing Pricing Strategy in GPU-accelerated Cloud Computing, IEEE Transactions on Cloud Computing, February 2017 [Java/Cloudsim]
38. Cost Optimization for Dynamic Replication and Migration of Data in Cloud Data Centers, IEEE Transactions on Cloud Computing, January 2017 [Java]
39. A Lightweight Secure Data Sharing Scheme for Mobile Cloud Computing, IEEE Transactions on Cloud Computing, January 2017 [Java]
40. STAR: SLA-aware Autonomic Management of Cloud Resources, IEEE Transactions on Cloud Computing, January 2017 [Java/Cloudsim]
41. Hybrid Genetic Algorithm and Particle Swarm Optimization Algorithm based resource allocation in cloud computing, 2016 [Java/Cloudsim].
42. Dynamic resource demand prediction and allocation in multi-tenant service clouds, Concurrency and Computation: Practice and Experience (2016) [Java/Cloudsim].
43. Two Layer Encryption for Preserving Privacy on Public Cloud, International Journal of Computer Applications, May 2016 [Java].
44. Identifying Overloaded Servers and Managing Dynamic Placement of Virtual machines in Cloud, International Journal of Computer Applications, April 2016 [Java/Cloudsim].
45. CypherDB- A Novel Architecture for Outsourcing Secure Database Processing, IEEE Transactions on Cloud Computing, 2016 [Java].

46. Access Control for Cloud Computing Through Secure OTP Logging as Services, International Journal of Computer Applications, May 2016.[Java/Cloudsim].
47. Stochastic Load Balancing for Virtual Resource Management in Datacenters, IEEE Transactions on Cloud Computing, 2016 [Java/Cloudsim].
48. Data De-duplication Approach based on Hashing Techniques for Reducing Time Consumption over a Cloud Network, International Journal of Computer Applications, May 2016. [Java/Cloudsim].
49. Flexible and Fine-Grained Attribute-Based Data Storage in Cloud Computing, IEEE Transactions on Services Computing, 2016 [Java].
50. Energy Aware Virtual Machine Migration Techniques for Cloud Environment, International Journal of Computer Applications, May 2016. [Java/Cloudsim].
51. Dynamic-Hash-Table Based Public Auditing for Secure Cloud Storage, IEEE Transactions on Services Computing, 2016 [Java].
52. Implementation of DDoS Attack Preemption and Improved Data Integrity in Cloud, International Journal of Computer Applications, May 2016. [Java/Cloudsim].
53. Auction-Based Resource Allocation for Sharing Cloudlets in Mobile Cloud Computing, IEEE Transactions on Emerging Topics in Computing, 2016 [Java/Cloudsim].
54. Privacy-Preserving and Public Auditing for Cloud Storage Applying Regeneration-Code-based using RSA Algorithm, International Journal of Computer Applications, May 2016. [Java].
55. Towards Building Forensics Enabled Cloud Through Secure Logging-as-a-Service, IEEE Transactions on Dependable and Secure Computing, April 2016 [Java].
56. Privacy Preserving Public Auditing for Shared Data in the Cloud using Hashing Algorithm, International Journal of Computer Applications, May 2016. [Java].
57. Secure and Efficient Authentication Scheme for Cloud Computing, International Journal of Computer Applications, May 2016. [Java].
58. A Modified Hierarchical Attribute-based Encryption Access Control Method for Mobile Cloud Computing, IEEE Transactions on Cloud Computing, 2016 [Java].
59. Flexible Data Access Control based on Trust and Reputation in Cloud Computing, IEEE Transactions on Cloud Computing, 2016 [Java].
60. Identity-Based Encryption with Cloud Revocation Authority and Its Applications, IEEE Transactions on Cloud Computing, 2016 [Java].
61. Probabilistic Optimization of Resource Distribution and Encryption for Data Storage, IEEE Transactions on Cloud Computing, 2016 [Java/Cloudsim].

62. Secure Data Sharing in Cloud Computing Using Revocable-Storage Identity-Based Encryption, IEEE Transactions on Cloud Computing, 2016 [Java].
63. Optimizing Live Migration of Multiple Virtual Machines, IEEE Transactions on Cloud Computing, 2016 [Java/Cloudsim]
64. Online Resource Scheduling under Concave Pricing for Cloud Computing, IEEE 2016 [Java/Cloudsim].
65. Improving Total Migration Time in Live Virtual Machine Migration, Proceedings of the Sixth International Conference on Computer and Communication Technology ACM, 2015 [Java/Cloudsim].
66. Implementation and performance analysis of various VM placement strategies in CloudSim, Journal of Cloud Computing 2015 [Java/Cloudsim].
67. T-Broker: A Trust-Aware Service Brokering Scheme for Multiple Cloud Collaborative Services, IEEE Transaction on cloud computing, July 2015 [Java/cloudsim]
68. A Privacy-Aware Authentication Scheme for Distributed Mobile Cloud Computing Services, IEEE systems journal, September 2015 [Java/CloudSim].
69. A Procurement Auction Market to Trade Residual cloud Computing Capacity, IEEE Transactions On Cloud Computing, September 2015 [Java/CloudSim].
70. An Online Auction Framework for Dynamic Resource Provisioning in Cloud Computing, IEEE Transactions on Networking, July 2015 [Java/CloudSim]
71. Energy Efficient Dynamic Load Balancing Algorithm for Cloud Environment. International Journal of Computer Applications, June 2015 [Java/CloudSim]
72. A Hybrid Cloud Approach for Secure Authorized Deduplication, IEEE Transactions on Parallel and Distributed Systems, May 2015 [Java/CloudSim]
73. Developing Secure Cloud Storage System by Applying AES and RSA Cryptography Algorithms with Role based Access Control Model. International Journal of Computer Applications, May 2015 [Java/CloudSim]
74. Live Migration of Virtual Machines in Cloud Environment using Prediction of CPU Usage. International Journal of Computer Applications, May 2015 [Java/CloudSim]
75. Stealthy Denial of Service Strategy in Cloud Computing, IEEE Transactions on Cloud Computing, January-March 2015 [Java/CloudSim]
76. Secure Auditing and Deduplicating Data in Cloud, IEEE Transactions on Computers, January 2015 [Java/CloudSim]
77. Verifiable Auditing for Outsourced Database in Cloud Computing, IEEE Transactions on Computers, February 2015 [Java/CloudSim]

78. Panda: Public Auditing for Shared Data with Efficient User Revocation in the Cloud, IEEE Transactions on Services Computing, January-February 2015 [Java/CloudSim]
79. Generic and Efficient Constructions of Attribute-Based Encryption with Verifiable Outsourced Decryption, IEEE Transaction on Dependable and Secure Computing, April 2015 [Java]
80. Secure and Verifiable Policy Update Outsourcing for Big Data Access Control in the Cloud, IEEE Transactions on Parallel and Distributed Systems, December 2014 [Java/CloudSim]
81. On the Security of a Public Auditing Mechanism for Shared Cloud Data Service, IEEE Transactions on Services Computing, September 2014 [Java/CloudSim]
82. A combinatorial double auction resource allocation model in cloud computing, Information Sciences, Elsevier, 2014.
83. Adaptive Resource Provisioning for the Cloud Using Online Bin Packing, IEEE Transaction on Computers, NOVEMBER 2014
84. A Hyper-Heuristic Scheduling Algorithm for Cloud, IEEE Transactions on Cloud Computing, April 2014 [Java/ CloudSim]
85. An Efficient Certificateless Encryption for Secure Data Sharing in Public Clouds, IEEE Transactions on Knowledge and Data Engineering, 2014 [Java/ CloudSim]
86. An Online Integrated Resource Allocator for Guaranteed Performance in Data Centers, IEEE Transactions on Parallel and Distributed Systems, June 2014 [Java/ CloudSim]
87. Authentication of k Nearest Neighbor Query on Road Networks, IEEE Transactions on Knowledge and Data Engineering, June 2014 [Java]
88. Authorized Public Auditing of Dynamic Big Data Storage on Cloud with Efficient Verifiable Fine-grained Updates, IEEE Transactions on Parallel and Distributed Systems, 2014 [Java/ CloudSim]
89. CIVSched: A Communication-aware Inter-VM Scheduling Technique for Decreased Network Latency between Co-located VMs, IEEE Transaction on Cloud Computing, 2014 [Java/ CloudSim]
90. Cost-Effective Authentic and Anonymous Data Sharing with Forward Security, IEEE Transactions on Computers, April 2014 [Java]
91. A Mechanism Design Approach to Resource Procurement in Cloud Computing, IEEE Transactions on computers, January 2014 [Java]
92. DR-Cloud: Multi-Cloud Based Disaster Recovery Service, Tsinghua Science and Technology, February 2014.[Java]
93. Lifelong Personal Health Data and Application Software via Virtual Machines in the Cloud, IEEE Journal of Biomedical and Health Informatics, January 2014.[Java]



94. Task-Based System Load Balancing in Cloud Computing Using Particle Swarm Optimization, Int J Parallel Prog ,2014 [Java]
95. SLA-aware Provisioning and Scheduling of Cloud Resources for Big Data Analytics, IEEE, 2014 [Java]
96. Expressive, Efficient, and Revocable Data Access Control for Multi-Authority Cloud Storage, IEEE Transactions on Parallel and Distributed Systems, 2014 [Java/ CloudSim]
97. Identity-Based Distributed Provable Data Possession in Multi-Cloud Storage, IEEE Transactions on Services Computing, 2014 [Java/ CloudSim]
98. Guaranteeing fault-tolerant requirement load balancing scheme based on VM migration, The Computer Journal 2013 [Java/Cloudsim].
99. Resource Allocation in Cloud Computing Using the Uncertainty Principle of Game Theory, IEEE SYSTEMS JOURNAL, 2013.
100. Harnessing the Cloud for Securely Outsourcing Large-Scale Systems of Linear Equations, IEEE Transactions on Parallel and Distributed Systems, June 2013 [Java/ CloudSim]
101. Mona: Secure Multi-Owner Data Sharing for Dynamic Groups in the Cloud, IEEE Transactions on Parallel and Distributed Systems, June 2013 [Java/ CloudSim]
102. QoS Ranking Prediction for Cloud Services, IEEE Transactions on Parallel and Distributed Systems, June 2013 [Java/ CloudSim]
103. Privacy-Preserving Public Auditing for Secure Cloud Storage, IEEE Transactions on Computers, Jan 2013 [Java/ CloudSim]
104. A Scalable Two-Phase Top-Down Specialization Approach for Data Anonymization Using MapReduce on Cloud, IEEE Transactions on Parallel and Distributed Systems, 2013 [Java/ CloudSim]
105. On the Investigation of Cloud-Based Mobile Media Environments with Service-Populating and QoS-Aware Mechanisms, IEEE Transactions on Multimedia, June 2013 [Java/ CloudSim]
106. Live Migration of Virtual Machines [Java]
107. A Cloud-based Approach for Interoperable EHRs”, IEEE 2013 [Java/ CloudSim]
108. Privacy Preserving Delegated Access Control in Public Clouds, IEEE Transactions on Knowledge and Data Engineering, 2013 [Java/ CloudSim]
109. Application Scheduling in Mobile Cloud Computing with Load Balancing, Journal of Applied Mathematics, 2013 [Java]
110. Enhanced Public Auditability & Secure Data Storage in Cloud Computing, IEEE International Advance Computing Conference (IACC), 2013 [Java]

111. Energy-Aware Scheduling Scheme Using Workload-Aware Consolidation Technique in Cloud Data Centres, December 2013. [Java]
112. Efficient and Secure Data Storage Operations for Mobile Cloud Computing, International Conference on Network and Service Management, 2012 [Java/Cloudsim]
113. Optimal Online Deterministic Algorithms and Adaptive Heuristics for Energy and Performance Efficient Dynamic Consolidation of Virtual Machines in Cloud Data Centers, Cloud Computing and Distributed Systems (CLOUDS) Laboratory, 2012
114. Cooperative Provable Data Possession for Integrity Verification in Multi-Cloud Storage, IEEE Transactions on Parallel and Distributed Systems, July 2012 [Java/ CloudSim]
115. Ensuring Distributed Accountability for Data Sharing in the Cloud, Transactions on Dependable and Secure Computing, July 2012 [Java/ CloudSim]
116. p-Cloud: A Distributed System for Practical PIR, Transactions on Dependable and Secure Computing, July 2012 [Java/ CloudSim]
117. A Secure Erasure Code-Based Cloud Storage System with Secure Data Forwarding, IEEE Transactions on Parallel and Distributed Systems, June 2012 [Java/ CloudSim]
118. Enabling Public Auditability and Data Dynamics for Storage Security in Cloud Computing, IEEE Transactions on Parallel and Distributed Systems, May 2011 [Java/ CloudSim]