



2027 IEEE 12th International Conference on
Cloud Computing and Big Data Analytics

23-25 April 2027 | Chengdu, China

Track 8

Cloud Storage & Data Management

This track focuses on core technologies, innovative architectures and practical optimization strategies for cloud storage and full lifecycle data management, offering a professional academic and industrial exchange platform for global researchers and practitioners. We welcome high-quality original papers and practical case studies covering distributed cloud storage systems, object storage, block storage and file storage optimization, multi-cloud and hybrid storage management, data deduplication and compression, intelligent data tiering, and reliable data backup and recovery. This track also covers key research directions including data consistency maintenance, metadata management, storage resource scheduling, massive unstructured data governance, and low-cost, low-latency cloud storage optimization. It mainly discusses technical bottlenecks in large-scale data storage, reliability guarantee mechanisms and efficient data management solutions in complex cloud environments. This track aims to promote in-depth technical exchanges and achievements transformation, drive the innovation and iterative upgrading of cloud storage and data management technologies, and facilitate international academic cooperation and industrial practical innovation.

Track Chair



Canghong Shi
Xihua University, China

Publication

Submitted papers will be peer reviewed by conference committees, and accepted papers will be included in ICCCBDA 2027 Conference Proceedings.

Submission Link and Templates

Submission Link: <https://easychair.org/conferences/?conf=icccbda2027> ((Please select Track 1))

Submission Templates:

<https://icccbda.com/instruct8.5x11x2.doc> (Word Version)

<https://icccbda.com/ieee-latex-conference-template.zip>
(LaTeX Version)

Topics

- ◆ Cloud Data Storage
- ◆ Cloud Data Retrieval
- ◆ Data Integration Systems
- ◆ Cloud Database Management
- ◆ Data Quality Control
- ◆ Data Provenance Tracking
- ◆ Data Understanding Frameworks
- ◆ New Data Standards
- ◆ Multimedia Big Data
- ◆ Data Programming Models

Important Dates

Submission deadline: December 5, 2026

Notification Date: January 5, 2027

Registration Deadline: January 20, 2027

Contact

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