Hyper-Efficient at Laser Speed

Apache Iggy (Incubating) is a high-performance, persistent message streaming platform written in Rust, capable of processing millions of messages per second with ultra-low latency.

Messages/Second/Node | Latency @ P99 | Language SDKs | Free & Open Source

Get Started | View on GitHub

Built for performance

Apache Iggy (Incubating) is designed from the ground up to deliver exceptional performance, reliability, and developer experience for modern message streaming workloads. Combined with io_uring and thread-per-core, shared nothing architecture for maximum speed and efficiency.

Ultra-High Performance

Process millions of messages per second with predictable low latency thanks to Rust, combined with io_uring and thread-per-core, shared nothing architecture.

Zero-Copy Serialization

Custom zero-copy (de)serialization for improved performance and reduced memory usage, working directly with binary data.

Multiple Transport Protocols

Support for QUIC, TCP, WebSocket, and HTTP protocols with TLS encryption, giving you flexibility in how clients connect.

Multi-Language SDKs

Client libraries available for Rust, C#, Java, Go, Python and Node.js with more languages coming for best developer experience.

Consumer Groups & Partitioning

Built-in support for consumer groups, partitioning, and horizontal scaling across connected clients.

Security & Authentication

User authentication and authorization with granular permissions, Personal Access Tokens, and optional data encryption.

Built-in Monitoring

OpenTelemetry logs & traces, Prometheus metrics, and built-in benchmarking tools for performance monitoring.

Multi-Tenant Support

Stream abstraction for multi-tenancy, message retention policies, and S3-compatible backup storage.

Apache Iggy is an effort undergoing incubation at The Apache Software Foundation (ASF), sponsored by the Apache Incubator. Incubation is required of all newly accepted projects until a further review indicates that the infrastructure, communications, and decision making process have stabilized in a manner consistent with other successful ASF projects. While incubation status is not necessarily a reflection of the completeness or stability of the code, it does indicate that the project has yet to be fully endorsed by the ASF.

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