

Product

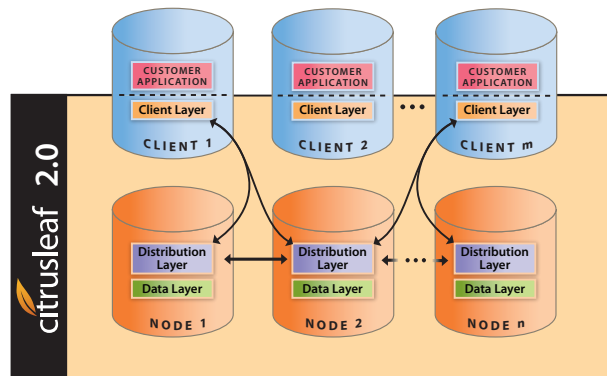
Citrusleaf 2.0 is a NoSQL database that uniquely delivers reliability, linear scalability and exceptional performance for high volume, data intensive, web-scale and mobile businesses.

Citrusleaf 2.0 has a unique comprehensive set of functionality for a real-time NoSQL database.

- Non-Stop Transactions
- ACID (Atomic, Consistent, Isolated, Durable) compliant
- Immediate consistency
- Self-managing clusters / Shared nothing
- Balanced Read/Write performance
- Flexible data storage supporting Flash/SSD and Rotational disk
- High throughput (200K plus TPS per node) and low latency (sub-millisecond)
- Support for billions of objects and terabytes of data

Citrusleaf 2.0 delivers a high return on investment to our customers.

- Ease of use
- Short time to deployment
- Highly available and self-sustaining
- Efficient operations on smaller cluster sizes, resulting in 5 to 10 times lower hardware costs
- Native development and 24x7 support



Product Architecture

Citrusleaf uses the marriage of distributed system and traditional database technologies to ensure exceptional performance, linear scalability and high availability.

The Citrusleaf product architecture is comprised of three main layers – the Client Layer, the Distribution Layer, and the Data Layer.

- The Client Layer contains the client libraries.
- The Distribution Layer is responsible for the cluster communication and cluster management operations.
- The Data Storage layer delivers data storage capabilities that are optimized to work with the latest in storage technology and storage systems, including DRAM, rotational disk and Flash.

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Performance Specs

- 200,000+ TPS transactions per node, linearly scalable
- Sub-millisecond response times for both reads and writes
- Balanced read/write throughput performance
- 50,000+ TPS write loads supported
- High memory efficiency

Cluster Configuration

- Minimum cluster size of three server nodes recommended for a production system, 1 to 2 node clusters for trial and test is fine
- Nodes communicate amongst themselves through a TCP-based internal cluster interconnect, which runs on top of IP (Gigabit Ethernet)

Server Node Hardware

- A 64-bit Intel or AMD processor
- Physical memory of 4G or more
- Gigabit Ethernet
- Linux distribution (Centos 5, Fedora 8, 9 & 12, Ubuntu 9 & 10)
- An interface open in the cluster's multicast IP domain for zero configuration operation
- Persistent storage in the form of HDD (rotational disk) and directly attached SSD devices (optional)

Supported Clients

Citrusleaf provides clients in several different languages. The APIs are documented and source code is provided. The supported clients are:

- C
- C#
- C using LibEvent
- Java
- PHP
- Python
- Ruby

Hosting Options

- On premise
- Managed datacenter
- Hybrid cloud
- Cloud

SLA

- 24x7 email and phone support

Pricing

- Monthly or perpetual

Consulting Services

- Hardware configuration
- Deployment support
- Data analysis
- Training



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