MinervaDB

ClickHouse Consulting and Support from MinervaDB

What is ClickHouse ?

ClickHouse (https://clickhouse.yandex) is an open source columnar database management system built for web-scale, real-time streaming data analytics using SQL queries, developed by Russian internet company Yandex (https://www.yandex.com) . ClickHouse is capable for delivering optimal, horizontally scalable, fault tolerant and highly available data analytics solutions for planet-scale internet / mobile properties and Internet of Things (IoT) . Modern hardware efficient ClickHouse columnar storage format allows fitting more hot data in RAM, which leads to a shorter response times. MinervaDB provides ClickHouse Consulting and Support (24*7) to deliver optimal, scalable and highly available web-scale data analytics platforms.

☛ Quick facts on ClickHouse

- Open source columnar database system from Yandex.
- Built for Massively Parallel Processing Systems , Large / complex queries can be run in parallel with minimal or no effort, The modern hardware infrastructure ready !
- ClickHouse columnar storage format allows fitting more hot data in RAM, which leads to a shorter response times.
- Data compression – ClickHouse supports data compression and this improves query performance.
- Horizontally scalable columnar database system – ClickHouse is built for web-scale data analytics, Data can be replicated across several ClickHouse Shards. ClickHouse is a distributed database analytics ready columnar database system.
- In ClickHouse, data is not just stored by columns, but is also processed by vectors to achieve high CPU performance.
- Web-Scale data analytics ready – Primary keys are allowed, The data extraction for specific clients through Metrica counter over a specific time range makes low latency query analytics possible.
- Flexible aggregation – Aggregate functions for partial data with approximated calculation (minimal data retrieval option). Random keys aggregation instead of all keys for higher accuracy using minimal resources.
- Maximum availability and self healing – Asynchronous multi-master replication with auto failover capabilities.
- SQL based – ClickHouse supports SQL, JOINS, subqueries including FROM, IN, JOIN clauses; and scalar subqueries are allowed . Correlated subqueries are not allowed.
- ClickHouse allows to minimize the number of seeks for range queries, which increases efficiency of using rotational disk drives, as it maintains locality of reference for continually stored data.

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☛ **How can MinervaDB help you in building a web-scale real-time streaming data analytics using ClickHouse ?**

- Consulting – We are experts in building optimal, scalable (horizontally and vertically), highly available and fault tolerant ClickHouse powered streaming data analytics platforms for planet-scale internet / mobile properties and Internet of Things (IoT) . Our elite-class consultants work very closely with your business and technology teams to build custom columnar database analytics solutions using ClickHouse.
- Database Architect services – We architect, engineer and deploy data analytics platform for you. We will take care of your data analytics ecosystem so that you can focus on business.
- ClickHouse Enterprise Support – We have 24*7 enterprise-class support available for ClickHouse, Our support team will review and deliver guidance for your data analytics platforms architecture, SQL engineering, performance optimization, scalability, high availability and reliability.
- ClickHouse Training.
- Pay only for hours we have worked for you, This makes us affordable for startups and large corporations equally.

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☛ **ClickHouse Consulting Plans (we do both on-site and remote ClickHouse consulting)**

If you are building an web-scale columnar database systems analytics and your business demands on-site ClickHouse consultants, We are available on short notice. We work very closely with your team on-site guiding them both strategically and technically on building optimal, scalable and highly available ClickHouse database infrastructure operations.

On-Site ClickHouse Consulting	Rate (plus GST / Goods and Services Tax where relevant)
Per-Diem	US $350 / hour

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We can do almost everything remotely on ClickHouse. This includes performance, scalability and high availability . Our technical account manager will be working very closely with your team to understand the goals and build short / long-term deliverables managing MinervaDB ClickHouse Consultants.

Remote ClickHouse Consulting	Rate (plus GST / Goods and Services Tax where relevant)
Per-Diem	US $250 / hour

☛ ClickHouse Enterprise Support (24*7)

You get access to our seasoned ClickHouse support team 24*7 for a fraction of cost to hiring a full-time Sr. level ClickHouse consultant . We will help you in building an planet-scale data analytics platform using ClickHouse which is optimal, scalable and highly available.

Enterprise-class ClickHouse Consultative Support (24*7)	Rate (plus GST / Goods and Services Tax where relevant)
Unlimited ClickHouse Instances	US $25,000 / Year

- **Enterprise-Class ClickHouse Support**
  - Technical Account Manager to clearly understand your business goals and orchestrate our support operations.
  - 30 Minute Response Time on Severity 1 (Urgent) Issues.
  - 10 Named Customer Contacts.
  - Support channels – Email, Slack, Skype, Google Hangouts and Phone.
  - Support -levels – We have very well defined support infrastructure operations function:
    - Severity 1– Immediate attention needed, The customer's business is severely impacted and database infrastructure is unavailable.
    - Severity 2– Customer database infrastructure is available (up and running) but performance / scalability issues are directly impacting business.
    - Severity 3– Low impact situation, Customer business and production infrastructure is functioning normally, but the problem is impacting the development ecosystems, also causing delay in production deployment.
    - Severity 4– Low to no impact situation, It is more about knowing the features and capability of components before considering the adoption.
  - MinervaDB Support Email (Only for MinervaDB Support Customers) – support@minervadb.zohodesk.com
  - Submit your tickets online here

To engage MinervaDB for ClickHouse consulting and support, please book for an appointment here or send email to contact@minervadb.com