What is ClickHouse?

ClickHouse ([https://clickhouse.yandex](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](https://www.yandex.com)). ClickHouse is capable of 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.
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.

<table>
<thead>
<tr>
<th>On-Site ClickHouse Consulting</th>
<th>Rate (plus GST / Goods and Services Tax where relevant)</th>
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</thead>
<tbody>
<tr>
<td>Per-Diem</td>
<td>US $350 / hour</td>
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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.

<table>
<thead>
<tr>
<th>Remote ClickHouse Consulting</th>
<th>Rate (plus GST / Goods and Services Tax where relevant)</th>
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☞ 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.

<table>
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<th>Enterprise-class ClickHouse Consultative Support (24*7)</th>
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<tr>
<td>Unlimited ClickHouse Instances</td>
<td>US $25,000 / Year</td>
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</table>

- **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](mailto:contact@minervadb.com)