



New chat



what is the meaning that elasticsearch is a distributed system?



Elasticsearch is a distributed system because it is designed to scale horizontally across many different machines, as opposed to running on a single machine. This means that data can be spread across multiple machines, and can be easily scaled to handle large amounts of data and traffic by adding more machines to the cluster. This architecture allows for increased performance, fault tolerance, and scalability compared to running Elasticsearch on a single machine.



what is distributed system in elasticsearch?



In Elasticsearch, a distributed system refers to the architecture of the software where the data is split and stored across multiple machines or nodes, rather than just one. This allows Elasticsearch to scale horizontally by adding more machines to the cluster as the amount of data or traffic increases.

Each node in the Elasticsearch cluster holds a subset of the data, and can handle search and indexing requests. When a request is made, it is handled by the appropriate node in the cluster, which returns the relevant results. If a node fails, the remaining nodes can continue to service requests without interruption. The data is also replicated across multiple nodes for fault tolerance.

This distributed nature of Elasticsearch allows for a high degree of scalability and availability.

