

Distributed Systems

Distributed systems are a type of computer system that consists of multiple autonomous computers connected through a network. These computers work together to achieve a common goal, often by sharing resources and coordinating their activities. Here are a few examples of distributed systems:

1. **Email system:** An email system is an example of a distributed system. When you send an email, it is routed through multiple servers before reaching its destination. These servers work together to ensure that the email is delivered reliably and efficiently.
2. **Cloud computing:** Cloud computing is another example of a distributed system. Cloud computing providers such as Amazon Web Services (AWS), Microsoft Azure, and Google Cloud Platform offer a range of services that are distributed across multiple data centers. These services can be accessed by users from anywhere in the world.
3. **Peer-to-peer file sharing:** Peer-to-peer (P2P) file sharing is a distributed system that allows users to share files directly with each other, without the need for a central server. Examples of P2P file sharing systems include BitTorrent and Napster.
4. **Distributed databases:** Distributed databases are another example of a distributed system. In a distributed database, data is stored across multiple servers, rather than on a single central server. This allows for faster access to data and better reliability.
5. **Distributed web servers:** Distributed web servers are a common way to handle high traffic websites. In this setup, multiple web servers are used to handle requests from users, with a load balancer distributing the requests across the servers to ensure that no single server becomes overwhelmed.

[Link 1](#) [Link 2](#)