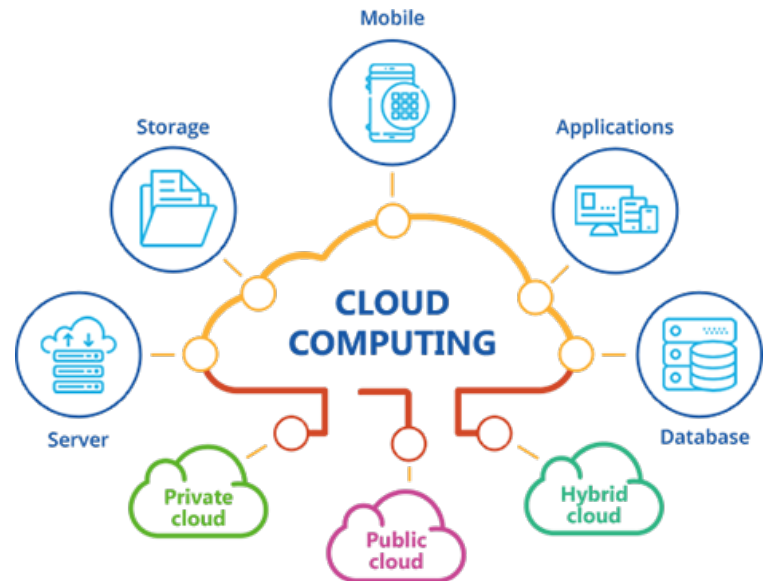


Cloud Computing

What is Cloud Computing?

Cloud computing is on demand availability of computer system resources and services, especially data housing and computation. Cloud providers usually provide solutions to many common business functions, such as login, data processing, etc. This frees the client from having to create and maintain these services, and provides demarcation of responsibility.



Provides Turnkey Solutions for Many Common Business Functions

- AI/Machine learning toolkits – Provides pre-built models for common tasks as well as AutoML for creating custom models
- Authentication services – Provides secure authentication and supports OAuth for third-party logins
- Data housing – Provides SQL or noSQL database solutions
- Deployment – Provides services for deploying your application and controlling version releases
- Distributed architecture – Services are always semi-local to clients
- Scalability – Services can be scaled nearly infinitely based on the amount of use or traffic, or billing preferences

FAU Courses

COP 3813 - Introduction to Internet Computing

COP 4655 - Mobile App Projects

CEN 5086 - Cloud Computing

Local Cloud Computing Providers

Chetu – Plantation, Florida

Citrix – Fort Lauderdale, Florida

SkyPlanner – Miami, Florida

Ultimate Software – Westin, Florida

- Cloud computing has grown more than 1500% in the last decade.
- Many new businesses often chose to start in the cloud because it reduces the amount of infrastructure and boilerplate code that they need to hit the ground running.
- Many existing businesses are moving away from having their own data centers and are moving services to the cloud.
- Some popular platforms for cloud computing are
- Microsoft Azure, Amazon Web Services (AWS),
- Google Firebase, and IBM Watson.

