







# Data Processing in Cloud

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### Cloud native architecture

Cloud native is building software applications as a collection of independent, loosely coupled, business-capability-oriented (microservices) that can run on dynamic environments (public, private, hybrid, multi-cloud) in an automated, scalable, resilient, manageable, and observable way.





#### Hybrid Cloud

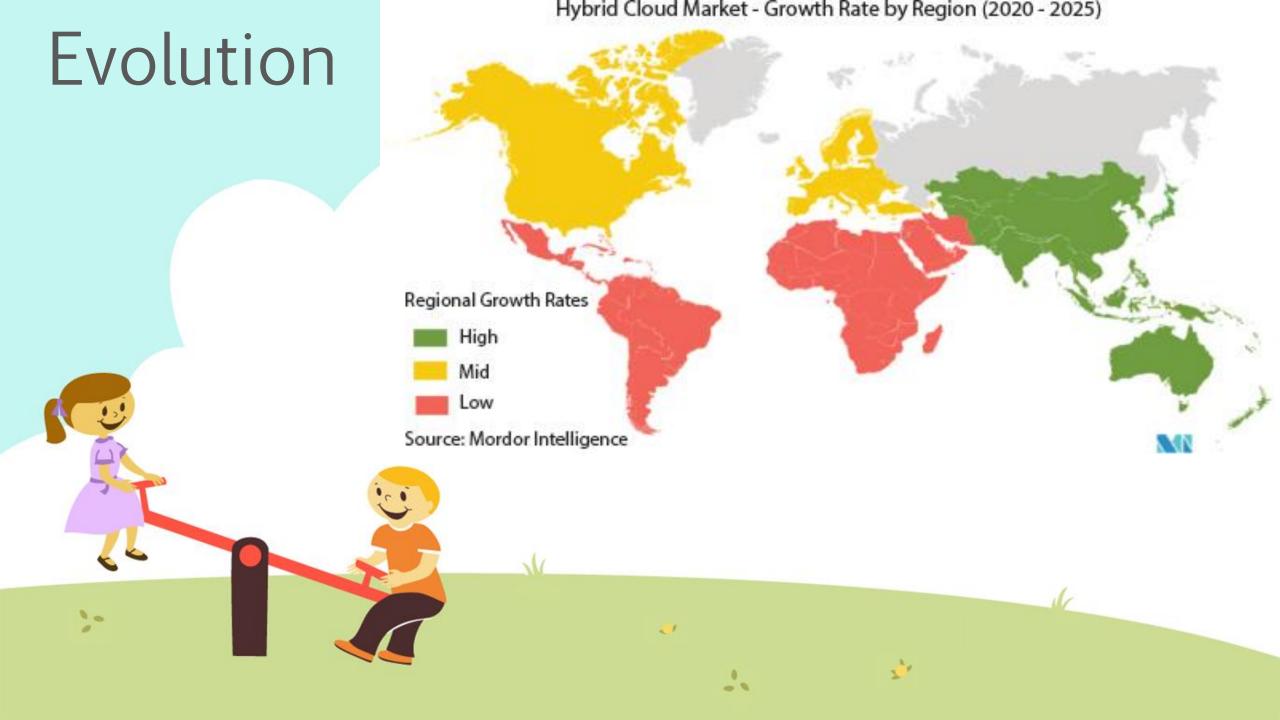
According to the National Institute of Standards and Technology [3], a hybrid cloud is a "composition of two or more distinct types of cloud infrastructure that are linked together using proprietary and standardized technology for the purpose of data and application mobility."

- Workload accomplished through mobility.
- Networking connects systems and background information. devices through LAN, WAN, or Incorporating resource availability VPN.
- Implementation of a complete Bringing catastrophe management unified automation tool.

- distribution is A comprehensive and powerful middleware for abstracting
  - and scalability.
  - and recovery techniques together.

## Increase in Hybrid Cloud

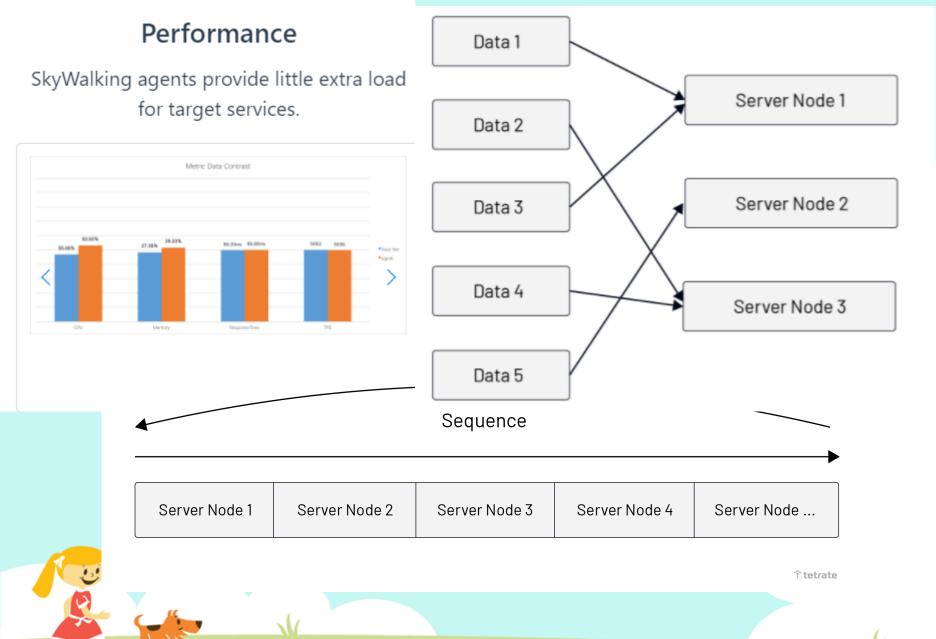
An application programmer is always in need of assistance for cutting-edge technology. A developer's key worry is the availability of high-end resources and cutting-edge technical assistance. Flexibility in the deployment of changing technological services, rapid availability of additional resources required by the solution, peak support for on-premise systems, and smooth and continuous integration of system services are critical concerns that must be addressed in hybrid cloud.



# Use of Al in Hybrid Cloud

The term "AI in the cloud" has become popular in this context. The majority of cloud-based service providers provide management tools that include AI-based technology.

This provides a variety of services to the consumer, ranging from picture recognition to large data analysis



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