Cloud Computing Models

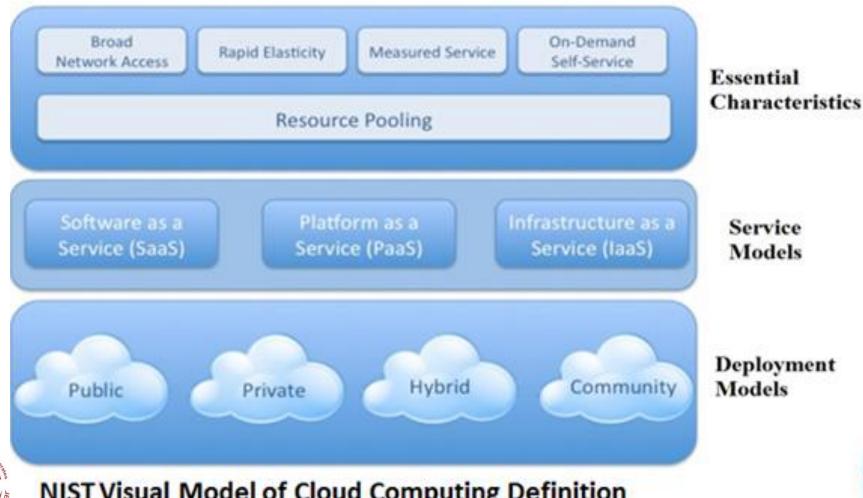
Standard Cloud Models

- Understanding and Uniformity
- CC relied on:
 - National Institute Standard & Technology (NIST)
 - Globally accepted
 - Published in "NIST Cloud Computing Reference Architecture", 2011
 - National Organization for Standardization (ISO)
 - European Tele Communications Standard Institute (ETSI)





NIST Cloud Computing Model





NIST Visual Model of Cloud Computing Definition

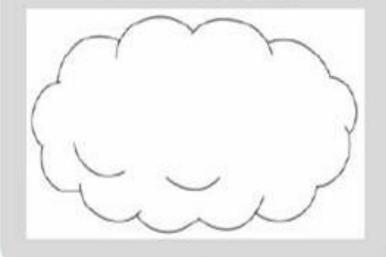
NIST Cloud Computing Actors

Cloud Consumer Person or organization that maintains a business relationship with, and uses service from Cloud Providers.

Cloud Auditor
A party that can conduct independent assessment of cloud services, information system operations, performance and security of the cloud implementation.

Cloud Provider

Person, organization or entity responsible for making a service available to Cloud Consumers.



Cloud
Broker
An entity that
manages the use,
performance and
delivery of cloud
services, and
negotiates
relationships
between Cloud
Providers and
Cloud Consumers.

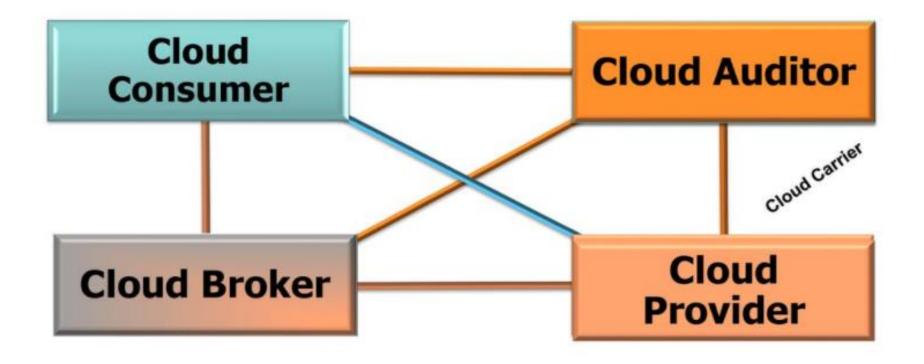
Cloud Carrier

The intermediary that provides connectivity and transport of cloud services from Cloud Providers to Cloud Consumers.

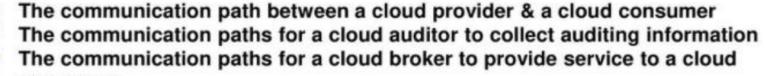




NIST: Interactions between Actors in Cloud Computing

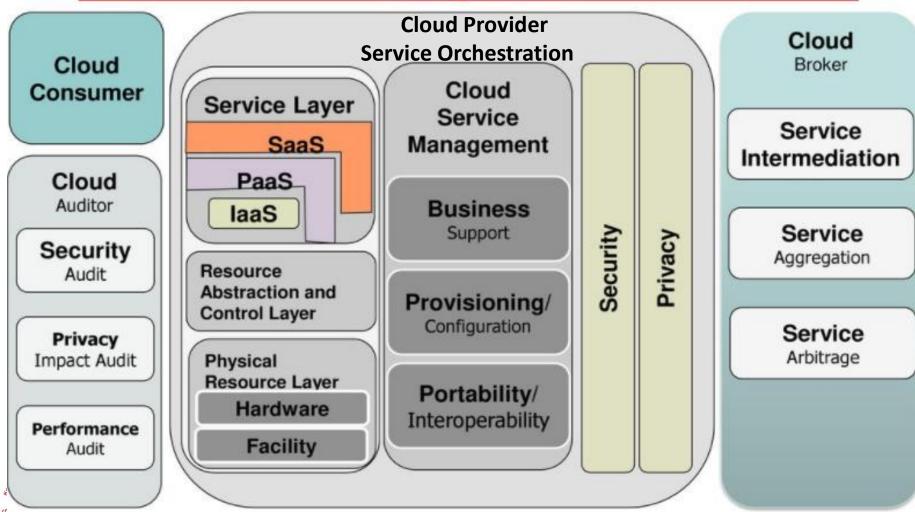






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NIST Cloud Computing Architecture



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References

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 - https://bigdatawg.nist.gov/_uploadfiles/M0008_v1_725681 4129.pdf
- Cloud computing reference architecture from nist and ibm https://pt.slideshare.net/rkuo/cloud-computingreference-architecture-from-nist-and-ibm/9



