



# Lightning Talk

CYCLOPS : A Micro Service based approach for dynamic Rating, Charging & Billing for cloud

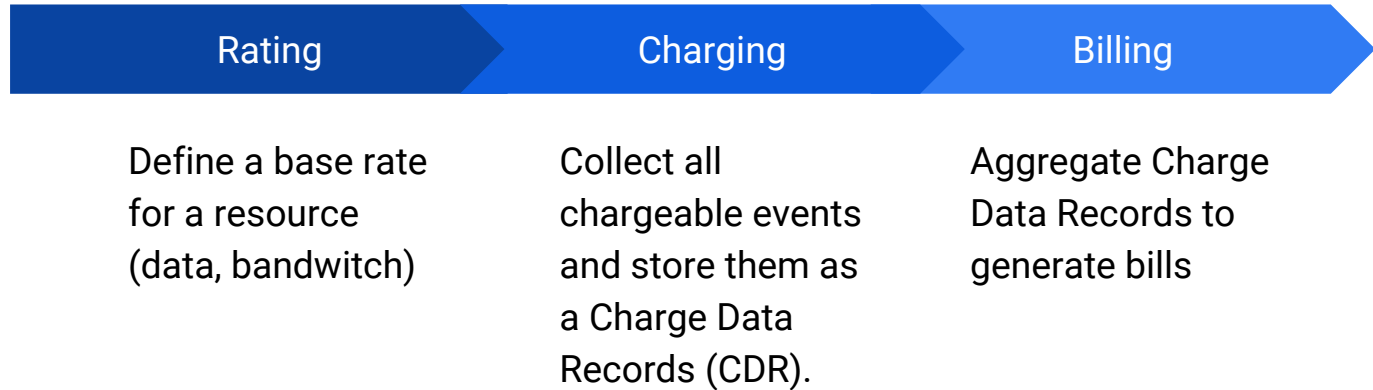
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# Measure the charge related to the usage of cloud services by users

- In telecom industry





# Current problems

- Rapidly evolving business model
- Latest solutions are proprietary
  - Cloudability
  - CloudVertical
  - PlanForCloud
  - Jbilling
- Lack the ability to calculate rate for an individual resources dynamically by considering different parameters.



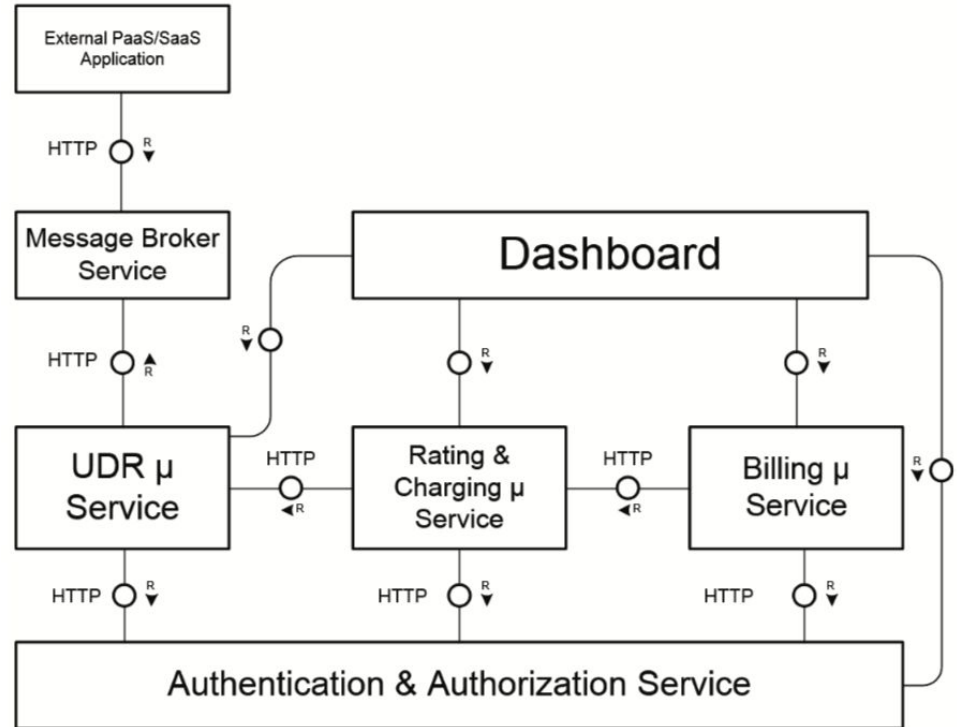
# Challenges

- Assimilate data from various sources
- Achieve real time billing
- Deploy the system as a service
- Evolve to match the requirements of the users

# Micro Service Architecture

## Advantages

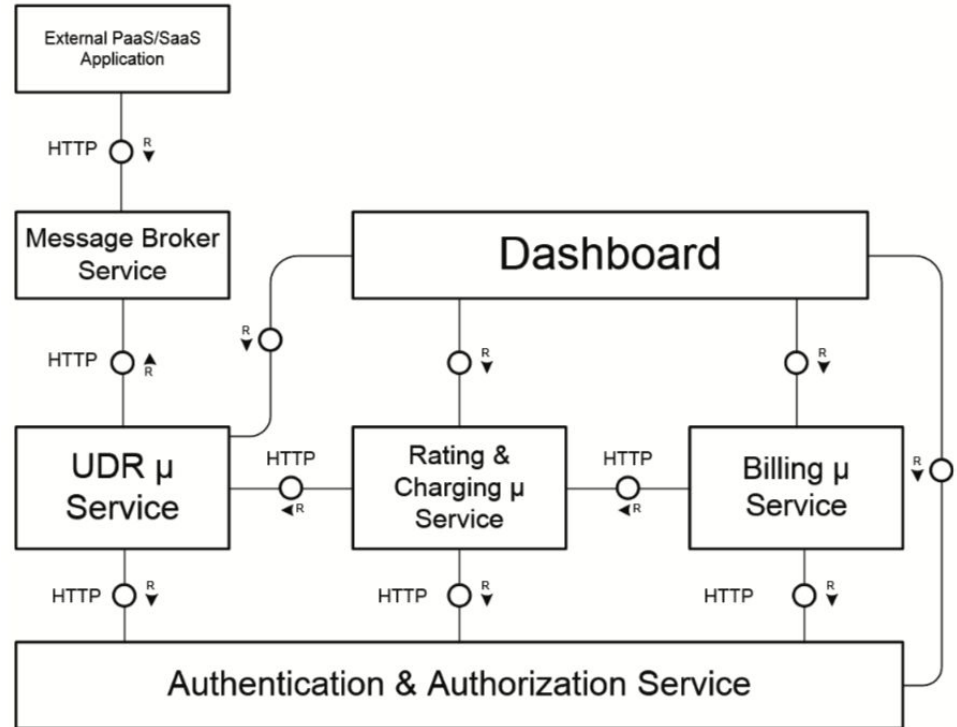
- Fast evolution
- Interoperability



# Micro Service Architecture

## Disadvantages

- SPOF
- Adding new rules





# Result

- Lack of results
- No comparison with existing systems
- Incomplete system (rules are not yet fully defined)



Thank you

