

CLOUD SERVICE ARCHITECTURE

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http://flavors.me/june_sung_park

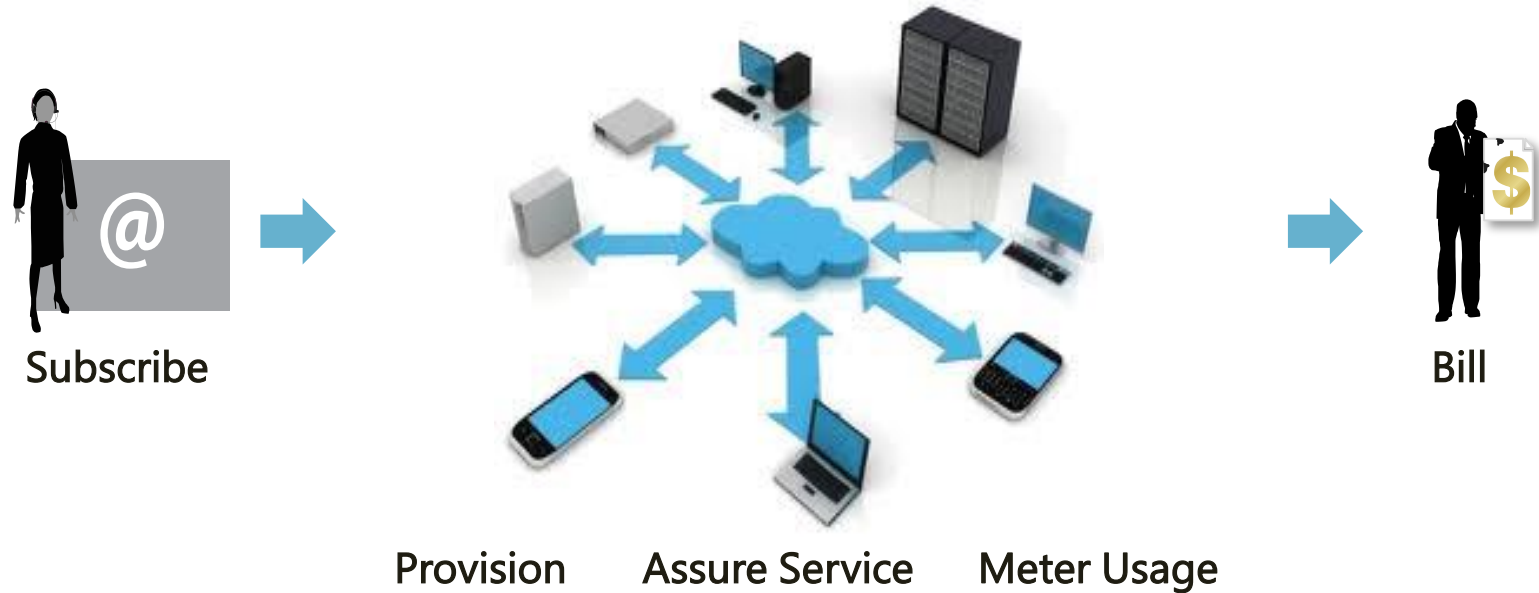
MODULE OBJECTIVE

- Understand the value chain of cloud service business
- Understand essential components of a cloud service system.
- Understand key technologies enabling cloud computing.



CLOUD SERVICE CONSUMPTION MODEL

- Cloud computing model drives revolutionary changes in how companies and individuals acquire computing capabilities and IT solutions.



CLOUD SERVICE SUPPLY MODEL

- Cloud computing model drives revolutionary changes in how computing capabilities and IT solutions are designed, built, delivered, sourced and managed.

Cloud Service Provider (External or Internal to Consumer Organization)



Cloud Service
Strategy

Cloud Service
Infrastructure & Offering

Cloud Service
Marketing & Sales

Cloud Service
Assurance & Billing

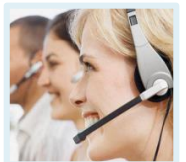
Product Portfolio
Strategy

Product Development
and Marketing

Product License and
Maintenance Sales

Customer Support

Software Product Vendor

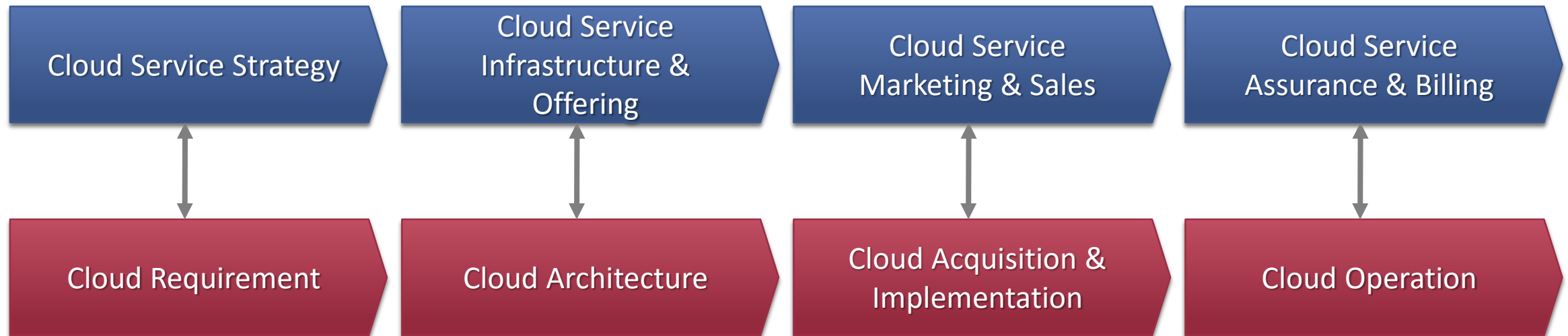


CLOUD SERVICE VALUE CHAIN

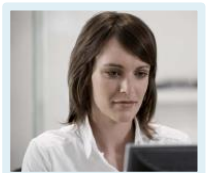
- Cloud computing model drives revolutionary changes in how IT providers and consumers interact to create value for the consumers.



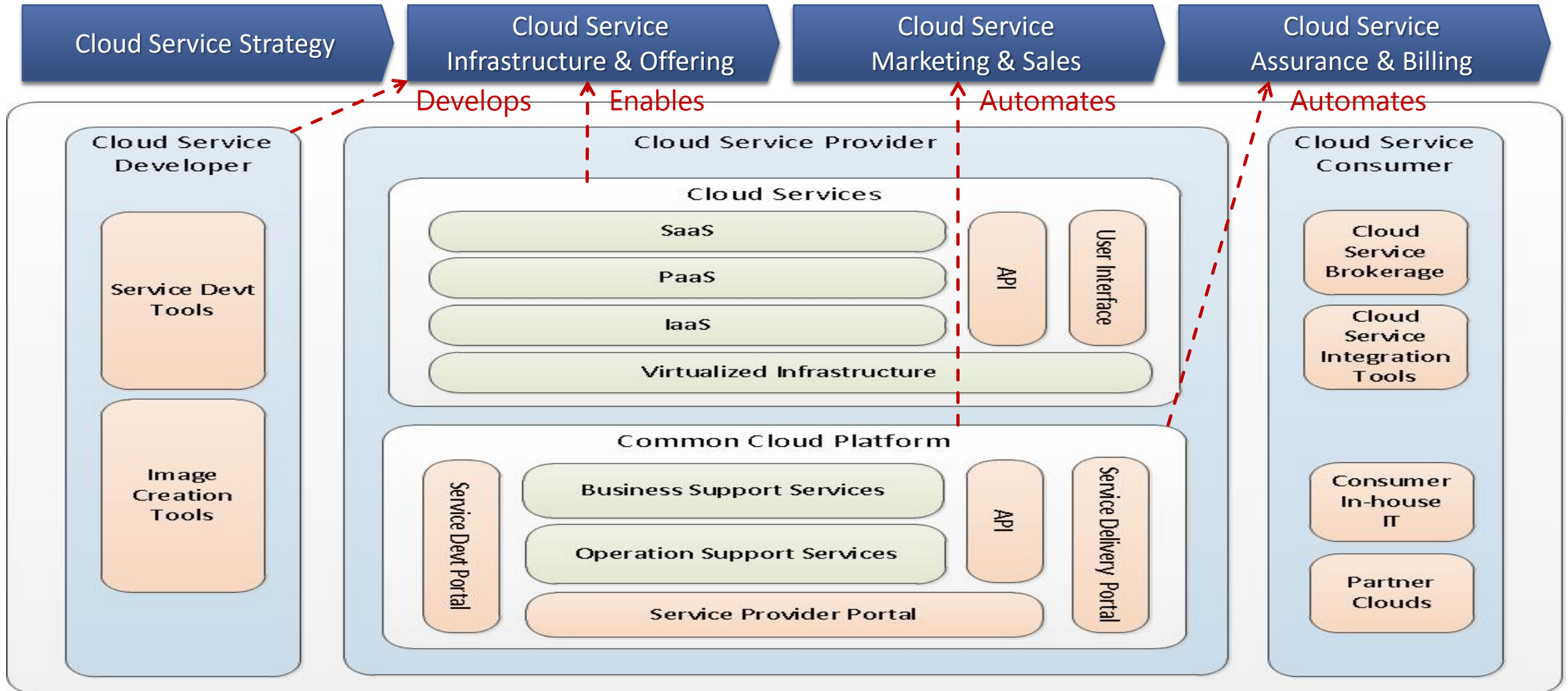
Cloud Service Provider (External or Internal to Consumer Organization)



Cloud Service Consumer



CLOUD SERVICE VALUE CHAIN AND ARCHITECTURE



ESSENTIAL ATTRIBUTES AND ARCHITECTURE OF CLOUD SERVICES



Learn to share



Get it yourself



All you can eat



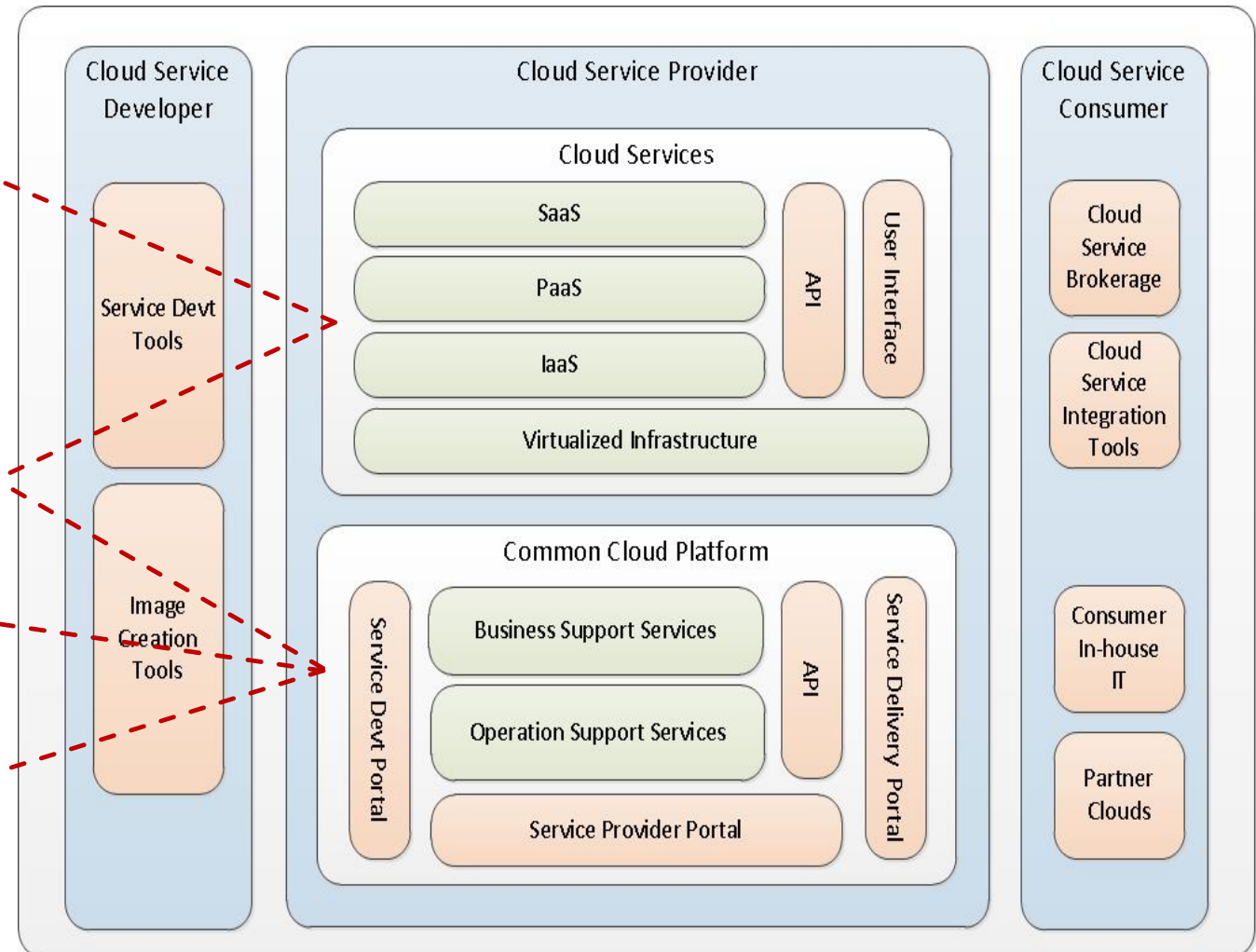
Pay per use

Shared & Multitenant

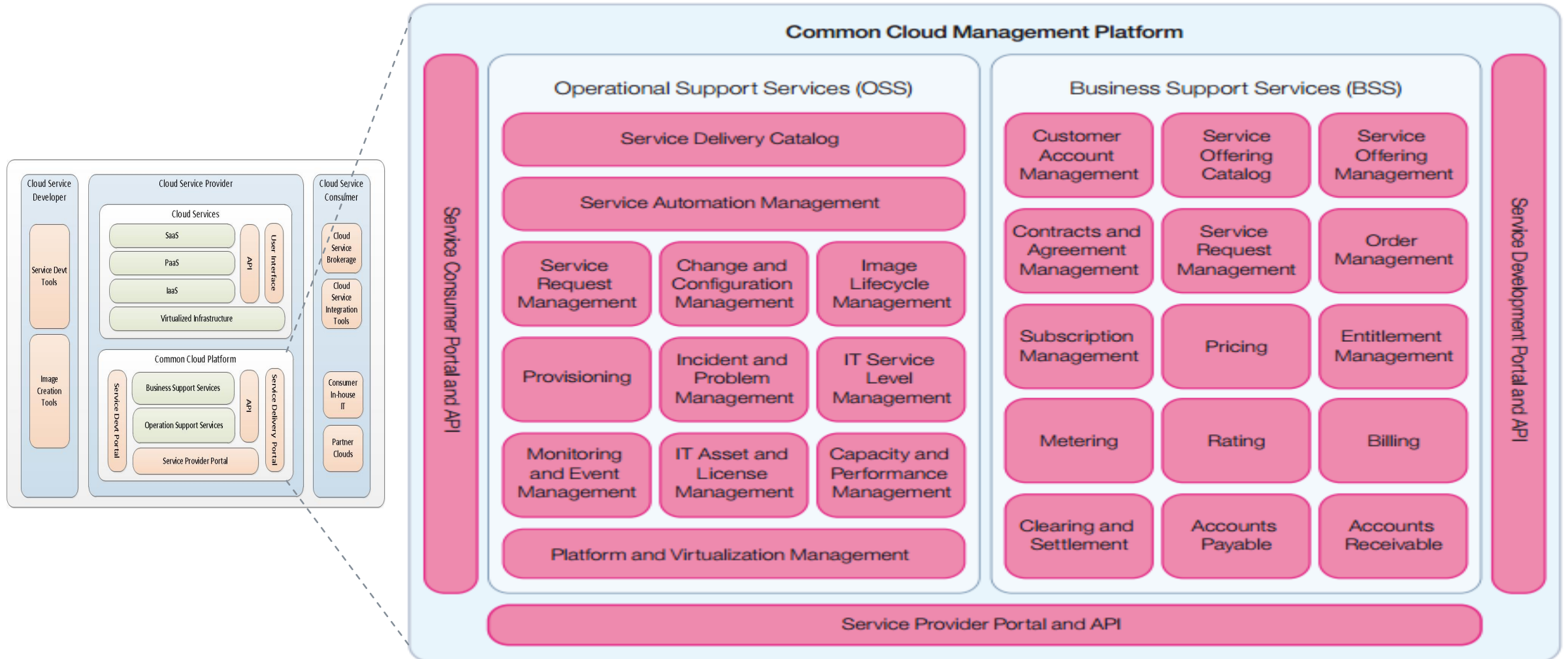
Self-service

Elasticity & Scalability

Usage-Based Pricing

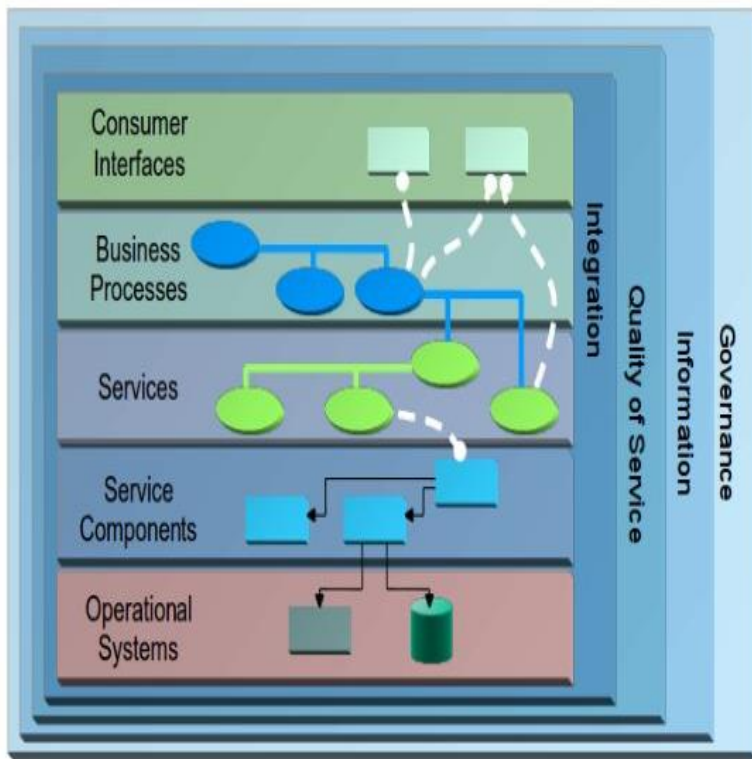


CLOUD MANAGEMENT PLATFORM (B/OSS)

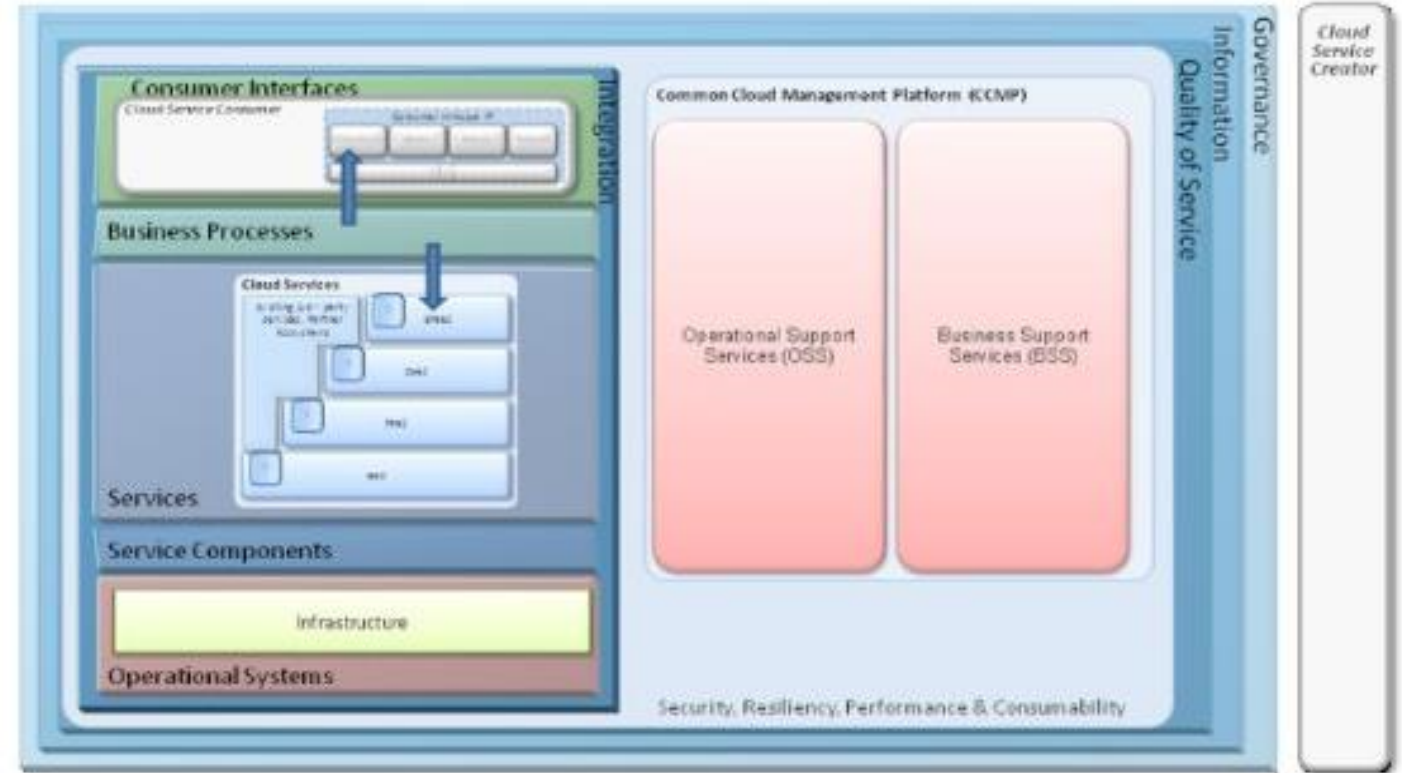


CLOUD SERVICE ARCHITECTURE AS SOA

- IBM has developed a reference architecture for cloud services as an extension of the SOA reference architecture.



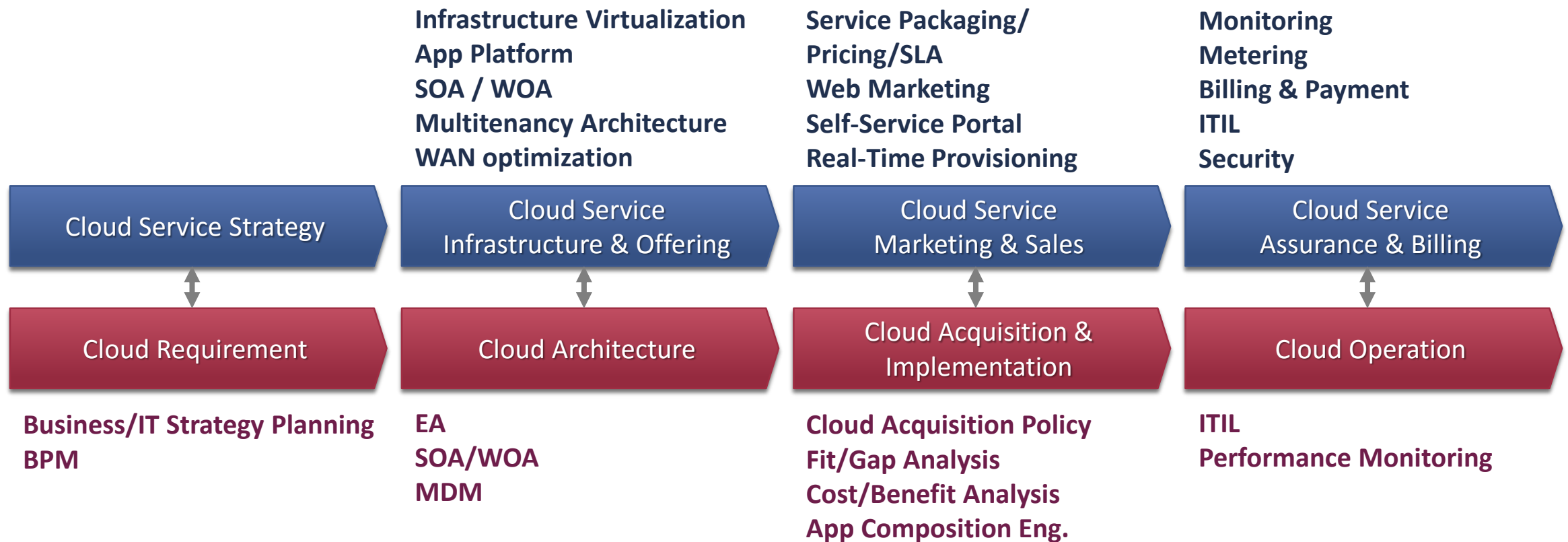
Service-Oriented Architecture



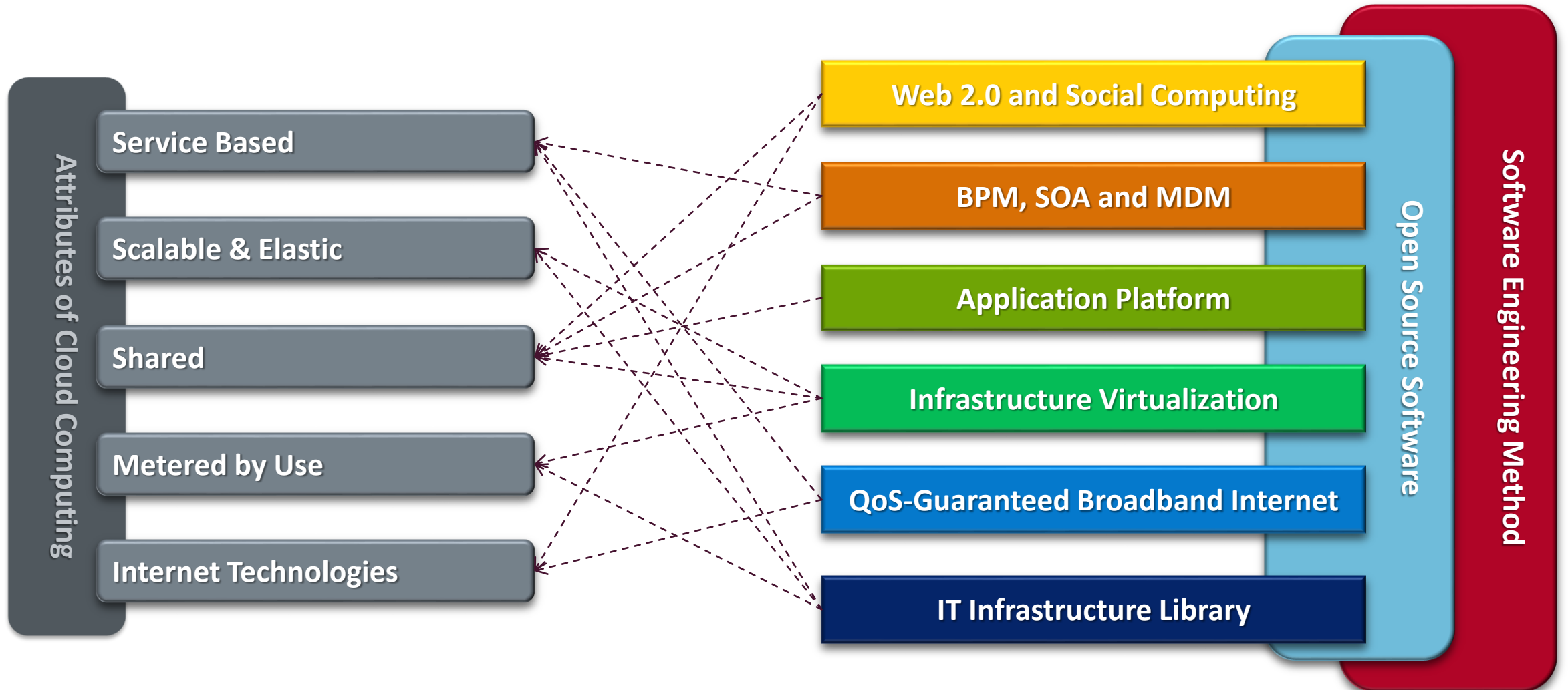
Cloud Service Architecture

TECHNOLOGIES ENABLING CLOUD SERVICES

- As is true of all profound IT changes, the apparent revolution of cloud computing is, in fact, a synergetic aggregation of evolutions in multiple, well-established technology directions.



TECHNOLOGIES ENABLING CLOUD SERVICES



TECHNOLOGIES ENABLING CLOUD SERVICES

