



# **SNS COLLEGE OF ENGINEERING**

Kurumbapalayam (Po), Coimbatore – 641 107

**An Autonomous Institution**

Accredited by NBA – AICTE and Accredited by NAAC – UGC with ‘A’ Grade  
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING(IoT and  
Cybersecurity Including BCT)**

COURSE NAME : Cloud Service Management /19OE219

IV YEAR / VII SEMESTER

Unit II-

Topic : Basics of cloud service Design



# Basics of cloud service Design



Service design is aimed at designing what to offer users through a service catalog. At its most basic, a service catalog is a listing of services from which a user can choose, thus initiating the cloud service provisioning process. When designing a service catalog, it is helpful to identify your cloud users to determine their needs. Potential users to consider while designing critical services offerings include:

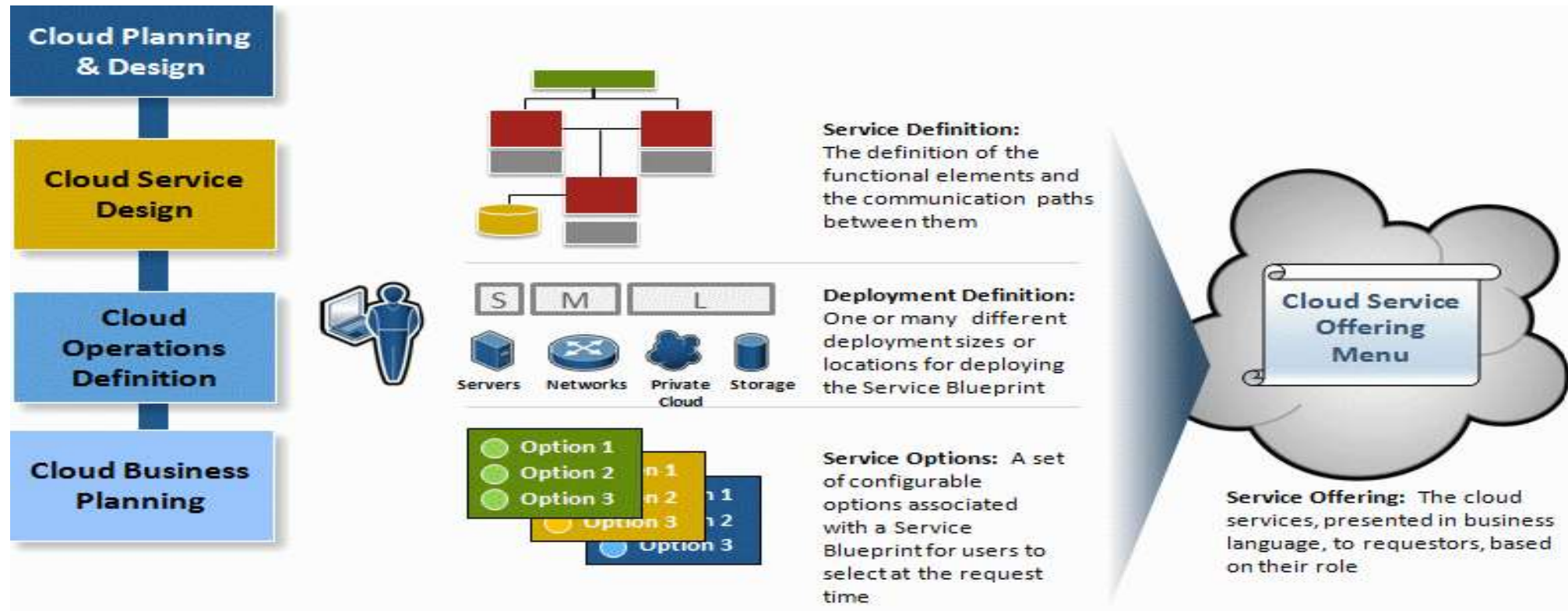
- The development team of software engineers
- R&D groups (for example, those engaged in scientific research)
- The application team in charge of building and maintaining internal applications

The following attributes are often defined in the service catalog:

- Resource configurations – including CPU, memory, and storage allocations
- Operating systems
- Middleware stacks
- Applications offered
- Networking options – for both simple network configuration and multi-tenancy support
- Compliance packages
- Monitoring tools
- Service levels
- Prices associated with each component, if desired

# Basics of cloud service Design

- Inherent in this list is the ability to define multi-tier and single-tier application stacks, differing deployment alternatives for each based on size and service tier, and all the configuration options a user might require.
- These elements are defined as individual Service Blueprints within the BMC Cloud Lifecycle Management solution. Once defined functionally, they are then characterized in business language as service offerings, which are stored in the service catalog. It is from these offerings that end users select their cloud services.



To address the needs of cloud service design, you should:

- Design internal and external cloud services
- Define service tiers and service levels
- Create a "bill of materials" for each service

