**Question:**

**Design a system which will span the virtual machine or storage very similar to the Amazon EC2 or S3.**

**Functional Reqs:**  
  
1. User should be able to select from a predefined set of resource allocations - CPU, Ram, Storage.

2. User will be asked to select an OS (Linux and Windows).  
3. User can also configure Software to be installed in bootstrap.

4. System will show the status of the instance launch.

5. API for provision(create), delete, stop, terminate to be implemented.

**Non-functional Reqs:**

How many requests per second – 1000 request/second

Expected Latency – 2-3 min

Hardware Requirement – year on year 20% in transactions. Increase 20% of hardware requirements.