IBM Certified Architect Cloud Solutions v3 : Exam Prep Workshop

Cloud computing

- Cloud definition
- Cloud platform services
    - Infrastructure-as-a-Service (IaaS)
    - Platform-as-a-Service (PaaS)
    - Software-as-a-Service (SaaS)
- Types of Cloud
    - Public
    - Private
    - Hybrid
    - IBM Cloud
- IBM Cloud Private

Infrastructure-as-a-Service

- Compute servers
    - Virtual servers
    - Public virtual server
    - Private virtual server
    - Boot storage for virtual servers
    - Bare metal server
    - Private cloud on IBM Cloud
    - Hybrid cloud on IBM Cloud
    - Standard images
- Networking
    - IBM Cloud Infrastructure global network
        - Public Network
        - Private network
        - IBM Cloud management network
    - Firewalls in IBM Cloud
        - Operating System level firewall

- - - Multitenant firewall
    - Dedicated hardware firewall
    - FortiGate Security Appliance (FSA)
    - vRouter
  - Load balancers
    - IBM Cloud LLB
    - NetScaler
    - IBM Cloud Infrastructure GSLB functionality
  - Auto Scale
  - Content Delivery Network (CDN)
- Storage
  - Block storage iSCSI
  - File storage
  - Endurance tiered IOPS
  - Performance Allocated IOPS
  - Object Storage
- Back up and disaster recovery
  - EVault
  - R1Soft
  - Object Storage
  - Disaster Recovery
  - Manual DR strategy
  - Third-party DR applications

Platform-as-a-Service

- Strangler Application pattern
- Designing for IBM Cloud
- IBM Cloud Computing Reference Architecture (CCRA)
- Analyze the client and their needs
- Determine key infrastructure requirements
- Design the Infrastructure
- Create the infrastructure detailed design