Amazon EC2.

Key features

i) EC2 provides scalable computing capacity in Aws cloud.

ii) EC2 provides a platform to host your server in cloud. servers are called Instance in Aws. since they are hosted in cloud, you can connect to it from anywhere and anytime.

iii) An Instance is created from pre-configured template of os & application known as AMI.

iv) This reduces the need to go through all the setup for application post os deployment & reduces the total deployment time for Instances.

v) EC2 provides multiple types of Instances with diff. cpu, memory & network Configuration known as Instance type.

vi) This helps you to choose correct Instance for your cpu, memory & network need.

vii) EC2 provides key pair for your Instances you must create your Instance, you must need to create/have one key-pair.

viii) without this key you don't have access to your Instance.

ix) You can also define a firewall for your Instance using security groups.

Bucket → container of objects.
→ Provides flat store to add objects

* Amazon EC2 (compute service) (IAAS)
① choosing an AMI
   Template that is used to create new
   Instance/machine.
      a) Predefined AMIs
      b) Custom AMIs.
② choosing Instance type-
   a) compute optimized- more processing power
   b) memory optimized- In-memory cache
   c) GPU optimized - For large graphical req.
   d) storage optimized - For large storage.
   e) General purpose. - when everything equally
                                          bedani
③ Configure Instance-
   Purchasing options, kind of network
      IAM role, Assigning IP & so on...
④ Adding storage.
   a) ephermal storage - free storage.
   b) Amazon elastic Block store- paid
   c) Amazon S3.
⑤ Adding tags.
      Id To Identify machine In the
   env. of where lot of machines running
⑥ Configuring security groups
      Actual firewall - protects from
   unwanted unIntented Inbound & outbound
            traffic.

⑦ Review