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**Cloud Services – Assessment # 3**

Week 3 Time: 2 - Hours

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Marks: 100

**Q1**.- A User Data script is a shell script or cloud-init configuration that AWS runs automatically when an EC2 instance boots for the first time.

* Prepare EC2 User Data script for Amazon Linux 2 that:
  + Installs NGINX
  + Installs MongoDB
  + Installs Zabbix Agent (lightweight monitoring tool)
  + Automatically starts all services
  + Outputs a confirmation log
* Ensure that security group attached to EC2 should have following open ports:
  + TCP 22 (SSH)
  + TCP 80 (NGINX)
  + TCP 10050 (Zabbix Agent default)
* Connect to the instance via SSH and check that above services are running