

# ICT507 Cloud Infrastructure

## Week 2 Lab Activity

Each student needs to research a topic of choice from the list of topics below (the 71 topics), and present a summary of the product, related solutions, applications, etc., by providing two (2) PowerPoint slides. It is important to include one or more applications (not just some general introduction).

Present your findings in 1 minute “an elevator pitch” during the class **(3 marks)**,

and submit your PowerPoint slides on the Moodle **(2 marks)**.

Note: include the topic number (e.g. topic 5) in the file name.

### Topics:

- |                                       |  |
|---------------------------------------|--|
| 1. Amazon S3 (Simple Storage Service) | 13. Amazon EC2 (Elastic Compute Cloud) |
| 2. Amazon EBS (Elastic Block Store)   | 14. EKS (Elastic Kubernetes Service)   |
| 3. AWS Storage Gateway                | 15. ECS (Elastic Container Service)    |
| 4. Amazon S3 Glacier                  | 16. Amazon Elastic Beanstalk           |
| 5. Amazon Glacier                     | 17. Amazon Lightsail                   |
| 6. Amazon FSx                         | 18. Amazon Lambda                      |
|                                       | 19. AWS Outposts                       |
|                                       | 20. AWS Batch                          |
| 7. RDS (Relational Database Service)  |  |
| 8. AWS Database Migration Service     | 21. Amazon EMR (Elastic MapReduce)     |
| 9. Amazon DynamoDB                    | 22. Amazon QuickSight                  |
| 10. Amazon ElastiCache                | 23. AWS Data Pipeline                  |
| 11. Amazon Redshift                   | 24. Amazon Athena                      |
| 12. Amazon Aurora                     | 25. Amazon Kinesis                     |
|                                       | 26. AWS Glue                           |

**27. Amazon Rekognition**  
**28. Amazon SageMaker**  
**29. AWS DeepRacer**  
**30. AWS DeepLens**  
**31. Amazon Polly**  
**32. Amazon Lex**

**53. AWS CloudFormation**  
**54. Amazon CloudWatch**  
**55. AWS Auto Scaling**  
**56. AWS OpsWorks**  
**57. AWS CloudTrail**  
**58. AWS Config**

**33. AWS IoT Device Defender**  
**34. AWS IoT Greengrass**  
**35. Amazon FreeRTOS**  
**36. AWS IoT Analytics**  
**37. AWS IoT 1-Click**  
**38. AWS IoT Core**

**59. AWS Identity and Access Management**  
**60. AWS Key Management Service (KMS)**  
**61. AWS WAF (Web Application Firewall)**  
**62. Amazon GuardDuty**  
**63. Amazon Cognito**  
**64. AWS Shield**

**39. SNS (Simple Notification Service)**  
**40. Amazon Pinpoint**  
**41. AWS AppSync**  
**42. AWS Amplify**

**65. Amazon Braket**

**43. Amazon VPC (Virtual Private Cloud)**  
**44. Amazon API Gateway**  
**45. AWS Direct Connect**  
**46. Amazon CloudFront**  
**47. Amazon Route 53**  
**48. AWS App Mesh**

**66. AWS CodeCommit**  
**67. AWS CodePipeline**  
**68. AWS CodeDeploy**  
**69. AWS CodeBuild**  
**70. AWS CodeStar**  
**71. AWS Cloud9**

**49. AWS Directory Service**  
**50. Amazon WorkSpaces**  
**51. Amazon Connect**  
**52. Amazon Chime**