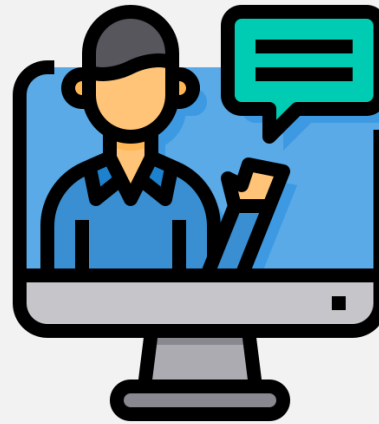**Thank you** very much for **registering** and **joining** my training program

Today's topics:

- **Introduction**
  - **Course Details**
  - **AWS Certifications**
  - **Career opportunities**
  - **About me**
- **Cloud Computing Basics**
  - **Traditional IT Overview**
  - **Cloud Computing**
  - **Types of cloud**
  - **Benefits of cloud**
-
- **Q / A**

1. Introduction

Course Details (what we provide):

- AWS SAA – C03 **complete syllabus**
- AWS SOA – C02 **complete syllabus**
- **80+** AWS Services
  - Concepts
  - **110+** hands on sessions
- Cloud Formation (automation)
- **Linux** Usage
- **Docker** and Containers Basics
- **JSON** & **YAML** usage
- **100+** sample practice questions

Course Details (what we provide):

- Sample AWS **resumes**

- Session **recorded videos**

- PPTs, codes are shared

- 10* Projects

- 2 months course – **8 PM – 9.30 PM IST**

- **JOB ASSISTANCE**

  - **Limited to job opening posts only**

Services we cover

Compute
1. EC2
2. Lambda

Storage
3. S3
4. EBS
5. EFS
6. FSx
7. Backup

Networking
8. VPC
9. Route 53
10. Cloud Front
11. API Gateway
12. Load Balancer
13. Site 2 Site VPN
14. Open VPN
15. Direct Connect (101)
16. Global Accelerator (101)

Database
17. RDS
18. Aurora
19. Aurora Serverless
20. Dynamo DB
21. Document DB (101)
22. Redis (101)
23. Memcached (101)

Services we cover

Containers

24. Docker
25. ECS
26. Fargate
27. ECR
28. EKS (101)

Security - 1

29. IAM
30. KMS
31. Secrets Manager
32. ACM
33. Security Hub
34. Macie

Security - 2

35. WAF & Shield
36. Cognito (101)
37. Inspector (101)
38. Guard duty (101)
39. HSM (001)
40. ACM – PCA (001)

Manage & Governance

41. Cloud Trail
42. Cloud Watch
43. Cloud Formation
44. Organizations
45. Auto Scaling
46. Parameter Store
47. Trusted Advisor (101)
48. Config (101)

Services we cover

Dev Tools

49. Cloud Shell
50. CLI

Application Integration

51. Event Bridge
52. SNS
53. SQS
54. Step Functions (101)
55. SES

Migration & Transfer

56. Application Migration Service
57. Snow Family
58. SMS (001)
59. DMS (001)

Machine Learning

60. Comprehend
61. Lex
62. Polly
63. Rekognition
64. Textract
65. Transcribe
66. Translate

Services we cover

Analytics

67. Athena

68. Kinesis

69. Redshift (101)

70. QuickSight (101)

Cost Management

71. Budgets

SysOps Specific

72. Service Catalog
73. Cost Explorer
74. Cost Allocation Tags
75. SAML 2.0 Id federation
76. Identity Center (SSO)
77. Control Tower
78. DMS

Others

79. Systems Manager
80. Elastic Bean Stalk

AWS Certification- Why?

- Software companies that **need specific cloud-based skills** are usually committed to solutions from specific service providers like AWS.

- it is important to keep yourself updates to boost your career in AWS and AWS Certification will **add an extra point to your resume**

- AWS Certification is curated as per the **industry requirements and demands**.

- Also, **it helps you identify** the appropriate AWS service based on data, compute or security requirements.

- Identify the **appropriate usage** of AWS architectural best practices

AWS Certification- how it helps your career

- In the latest Magic Quadrant report released by Gartner, AWS maintained its position as the **king of cloud Infrastructure** as a service (IaaS) providers

- Amazon Web Services (CSA) certification is **rated as the most valued IT Certification globally**.

- AWS engineers has **the fastest career growth** opportunities based on your performance

Figure 1: Magic Quadrant for Cloud Infrastructure and Platform Services

CHALLENGERS

LEADERS

Amazon Web Services

Microsoft

Google

Alibaba Cloud

Oracle

Tencent Cloud

IBM

Huawei Cloud

ABILITY TO EXECUTE

NICHE PLAYERS

VISIONARIES

COMPLETENESS OF VISION

As of June 2022

© Gartner, Inc

AWS Certifications - some more questions

- Just the certification is enough?

- Does it really **help us** to gain the knowledge?

- How difficult is to complete an AWS certification?

    - Learn Concept

    - Do Hands On

    - Practice Questions

- How many AWS certification are there?

    - 12 certifications

Foundational: Cloud Practitioner — FOUNDATIONAL — 90 Min / 100 USD / 65 Q

Associate: Solutions Architect — ASSOCIATE, Developer — ASSOCIATE, SysOps Administrator — ASSOCIATE — 130 Min / 150 USD / 65 Q

Professional: Solutions Architect — PROFESSIONAL, DevOps Engineer — PROFESSIONAL — 180 Min / 300 USD / 75 Q

Specialty: Security — SPECIALTY, Database — SPECIALTY, Data Analytics — SPECIALTY, Advanced Networking — SPECIALTY, SAP on AWS — SPECIALTY, Machine Learning — SPECIALTY — 170 Min / 300 USD / 65 Q

📙 SysOps – Labs ??

This credential helps organizations identify and develop talent with critical skills for implementing cloud initiatives. Earning AWS Certified SysOps Administrator - Associate validates experience in deploying, managing, and operating workloads on AWS.

As of March 28, 2023, the AWS Certified SysOps Administrator - Associate exam will not include exam labs until further notice. This removal of exam labs is temporary while we evaluate the exam labs and make improvements to provide an optimal candidate experience. With this change, the exam will consist of 65 multiple-choice questions and multiple-response questions, with an exam time of 130 minutes. All exam prep resources that are available on this exam page remain valid for this changed exam format.

AWS - Career Opportunities

- Amazon Web Services certified professionals are being ranked among **the highest paid IT certification holders**

- All IT companies are moving towards the cloud, so **the demand for the cloud engineers is very high**

- **AWS Cloud Engineer (Jr / Sr / Lead)**

- **AWS Developer (Jr / Sr / Lead)**

- **AWS DevOps (Jr / Sr / Lead / SRE)**

- **AWS SysOps Administrator**
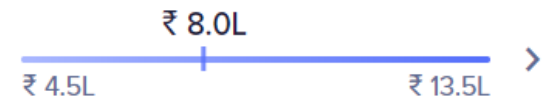
TCS
AWS Cloud Engineer Salary
1-9 yrs exp (172 Salaries)
₹ 6.2L
₹ 3.8L   ₹ 11.0L

Wipro
AWS Cloud Engineer Salary
2-7 yrs exp (83 Salaries)
₹ 6.2L
₹ 3.5L   ₹ 12.0L

Accenture
AWS Cloud Engineer Salary
1-7 yrs exp (80 Salaries)
₹ 8.0L
₹ 4.5L   ₹ 13.5L

HCLTech
AWS Cloud Engineer Salary
1-7 yrs exp (76 Salaries)
₹ 6.5L
₹ 3.5L   ₹ 12.0L
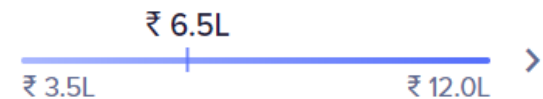
Cognizant
AWS Cloud Engineer Salary
1-9 yrs exp (71 Salaries)
₹ 7.4L
₹ 4.5L   ₹ 12.0L
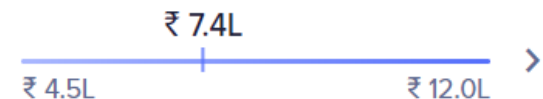
DXC Technology
AWS Cloud Engineer Salary
1-7 yrs exp (70 Salaries)
₹ 5.5L
₹ 3.6L   ₹ 9.0L
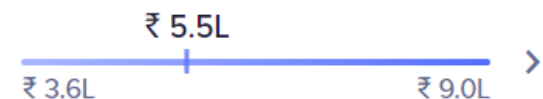
I am 9x AWS Certified

About me!

- I'm **Rakesh Taninki**
- I'm from West Godavari, Andhra Pradesh, India
- **9x** AWS, **1x** Azure, **1x** GCP, **1x** OCP
- Many years of AWS experience as – Solutions Architect, SysOps, Developer (Python), DevOps, Automation
- Trainer experience – 700+ students online

- <u>You can find me on</u>
- LinkedIn: https://www.linkedin.com/in/rakeshtaninki/
- Youtube: https://www.youtube.com/@RakeshTaninki
- Instagram: https://www.instagram.com/rakesh_taninki

Cloud Computing Basics

Traditional IT overview

- Land (Garage)

- Building

- Network (cables, routers, switches)

- Server (core, RAM)

- Storage (Hard disks)

- High Speed Internet

- TCO, CAPEX is high

- OPEX is high
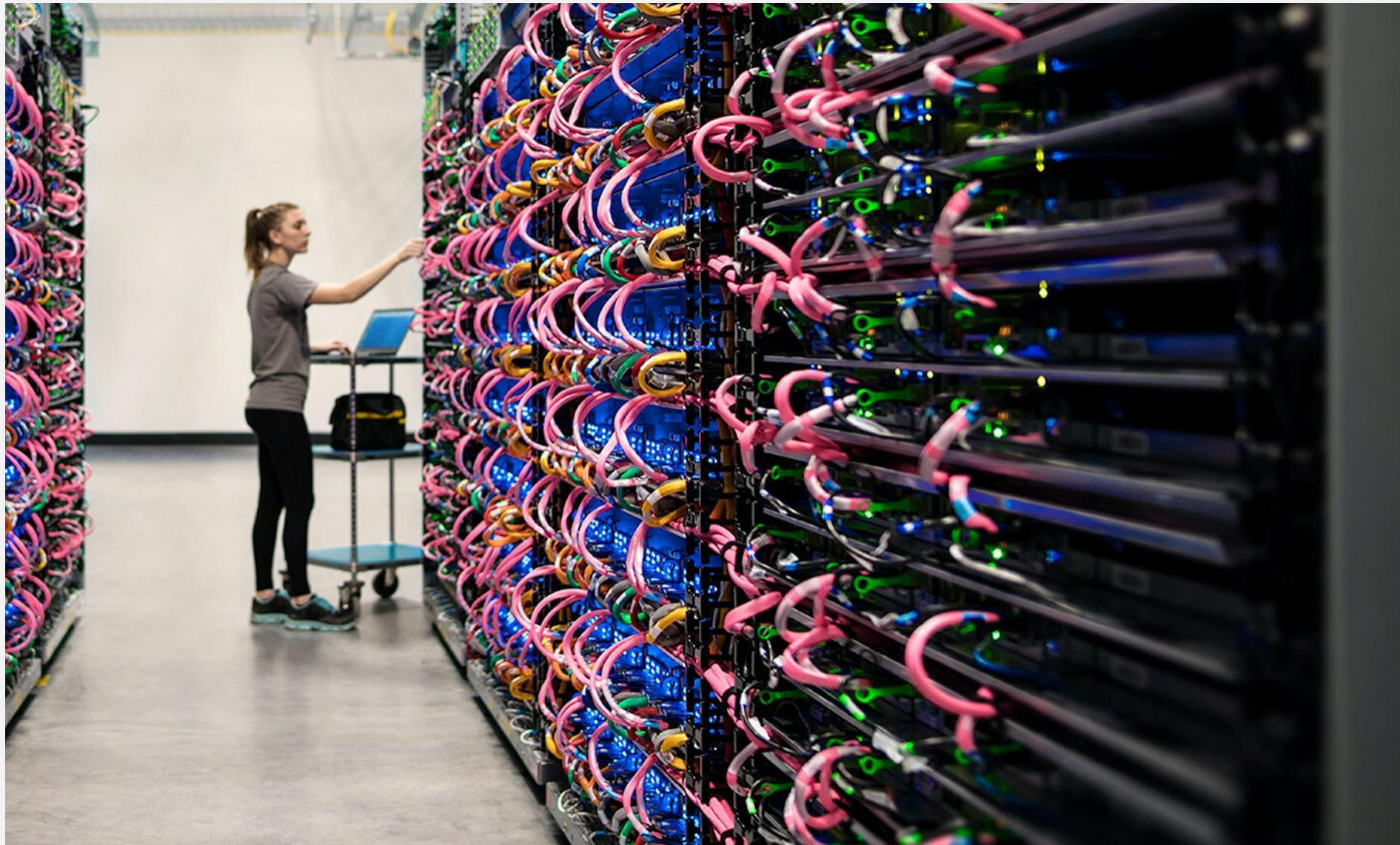
Traditional IT overview (Google data center)

Traditional IT overview (data center)

# Traditional IT overview (Data center engineers)

Problems with traditional IT approach

- Pay for the rent for the data center
- Pay for power supply, cooling, maintenance
- Adding and replacing hardware takes time
- Scaling is limited
- Hire 24/7 team to monitor the infrastructure
- How to deal with disasters? (earthquake, power shutdown, fire…)

What is **Cloud Computing?**

- Cloud computing is the **on-demand delivery** of compute power, database storage, applications, and other IT resources

- Through a cloud services platform with **pay-as-you-go** pricing

- You can access as many resources as you need, almost instantly

- Simple way to access servers, storage, databases and a set of application services
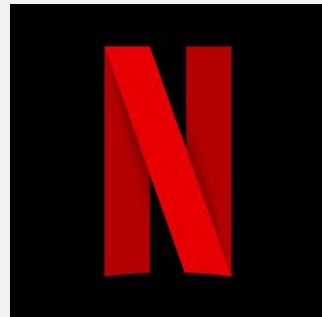
Types of Clouds(Deployment models)

Public Cloud:

- Third party providers
- Six Advantages of Cloud Computing

Private Cloud:

- Cloud services used by a single organization, not exposed to the public.
- Complete control
- Security for sensitive applications

Hybrid Cloud:

- Keep some servers on premises and extend some capabilities to the Cloud

Benefits of cloud

- **Flexibility:** change resource types when needed
- **Cost-Effectiveness:** pay as you go, for what you use
- **Scalability**: accommodate larger loads by making hardware stronger or adding additional nodes
- **Elasticity:** ability to scale out and scale-in when needed
- High-availability and fault-tolerance: build across data centers
- Agility: rapidly develop, test and launch software applications

Thank you, will meet in tomorrow's session