

# Lecture 1

Cloud  
(CSET224)

Computing

# Course Structure



3 Hours Lectures



2 Hours Lab



4 Credits

# Assessment Component

Components of Course Evaluation	Percentage
Mid Term Examination	10
End Term Examination	35
Quiz	5
Lab Continuous Participation	30
Project/ Cloud course completion and certification	20
Total	100

# References

## Books:

1. Lizhe Wang, Rajiv Ranjan, Jinjun Chen, Boualem Benatallah. Cloud Computing, CRC Press 2017. ISBN 978-1351833097.
2. Judith S. Hurwitz, Daniel Kirsch. Cloud Computing For Dummies. Hoboken: John Wiley & Sons, 2020. ISBN 978-1119546658.

## Course:

from AWS academy

# References

## Other Resources:



Google

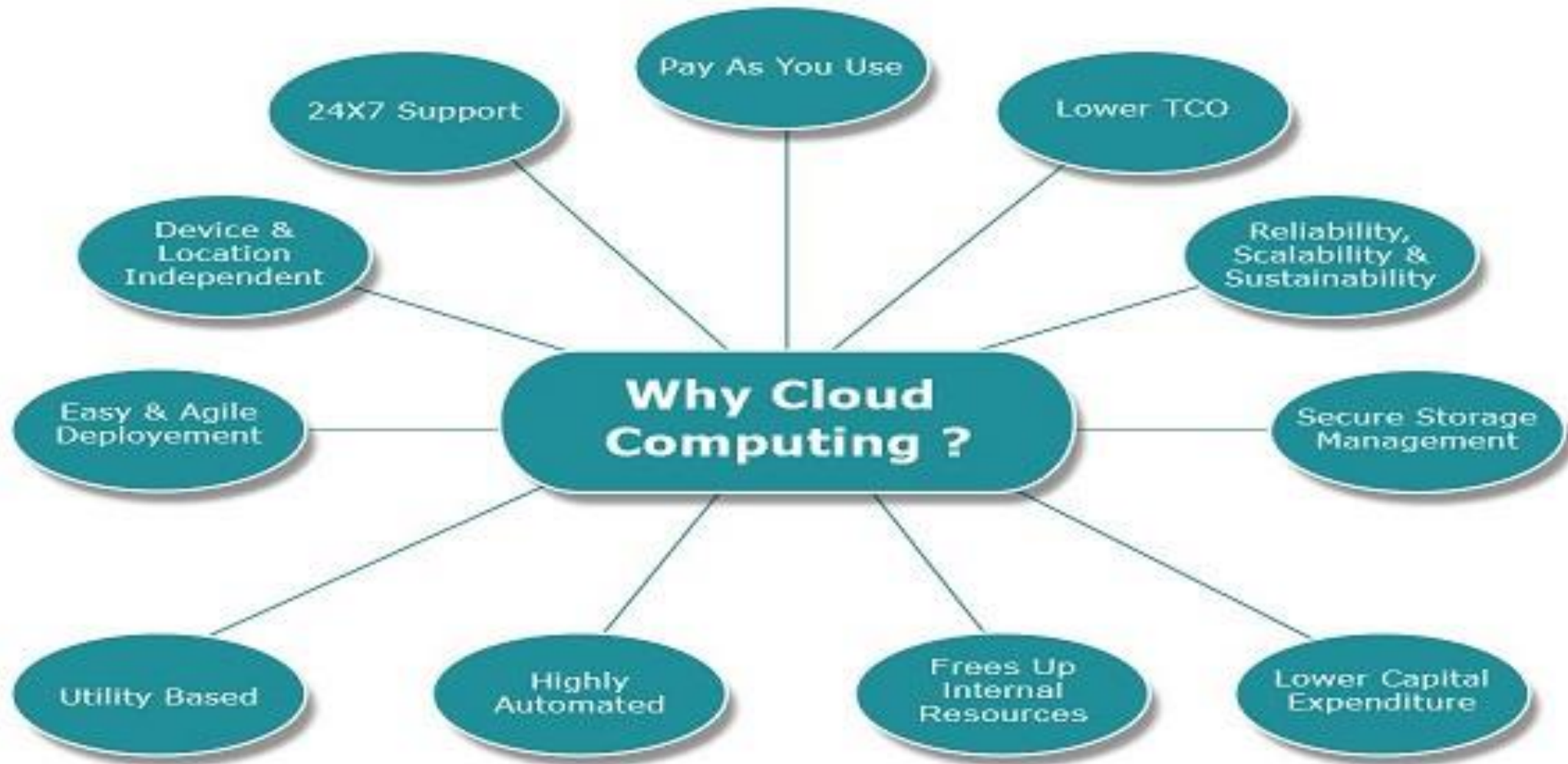


Class Lectures

# What is Cloud Computing?



# Why Cloud Computing?



# Core concepts of Cloud Computing



Service and  
deployment model



Characteristics  
and challenges



Virtualization and  
migration



Virtual private  
network



Security



Case study



# AWS certification

aws certified  
Updated May 2019

## Available AWS Certifications

### Professional

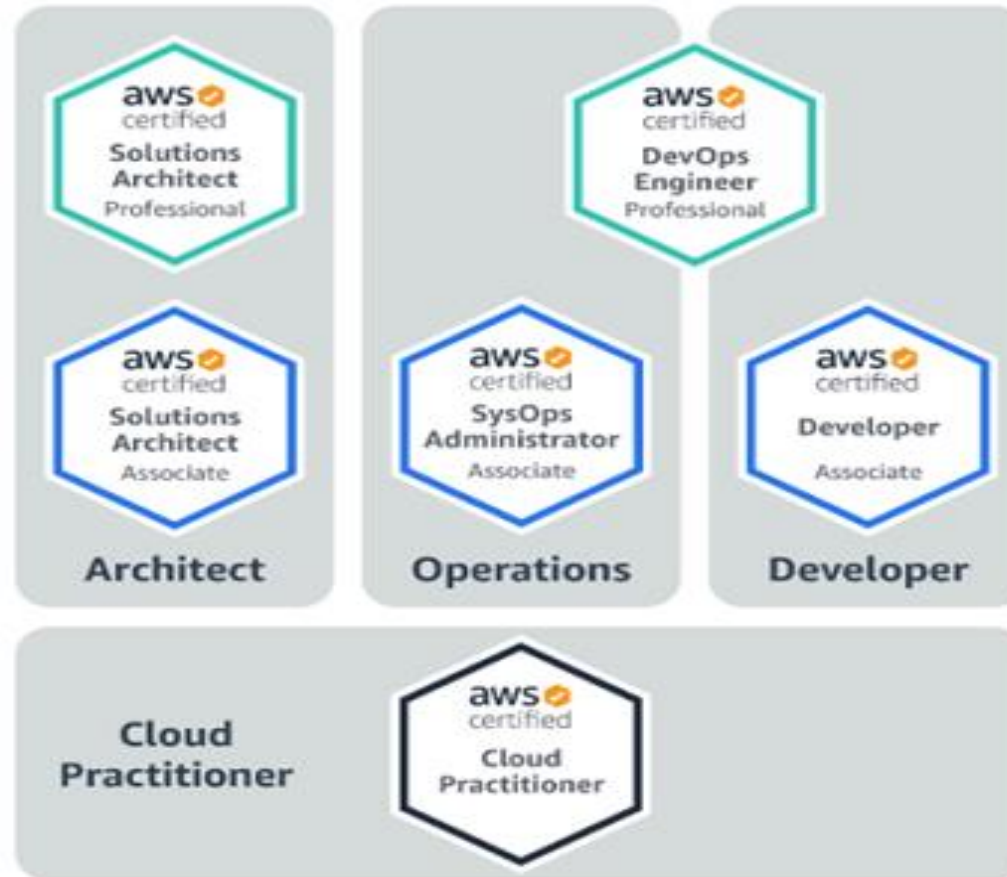
Two years of comprehensive experience designing, operating, and troubleshooting solutions using the AWS Cloud

### Associate

One year of experience solving problems and implementing solutions using the AWS Cloud

### Foundational

Six months of fundamental AWS Cloud and industry knowledge



### Specialty

Technical AWS Cloud experience in the Specialty domain as specified in the exam guide



# Job Opportunities

- **Cloud Engineer**
- **Cloud Architect**
- **Cloud Consultant**
- **DevOps Cloud Engineer**
- **Cloud Infrastructure Engineer**
- **Cloud Security Engineer**
- **Data Engineer**
- **Cloud System Administrator**
- **UI Developer**



Thank You