



"WHERE SUCCESS IS A TRADITION"

Gandhinagar Institute of Technology
Computer Engineering & Information Technology Department
A Report on
"Expert Lecture on Amazon Web Service"
(21th August, 2021)

Objective:

The objective of the expert lecture was to give students a foundation on which to apply various computer science concepts including Cloud Computing. Amazon Web Service was to equip students with the skills they'd need to create a variety of items utilising Amazon Services. In the creation of their projects, it encouraged collaboration and teamwork among the students.

About Expert Lecture:

The GIT IQAC Cell, Computer Engineering, and Information Technology department has organized an Expert Lecture on "Amazon Web Service" for 7th semester CE -IT and PG students on 21st August 2021(Saturday). Our expert, Mr. Harshal Trivedi is starting his journey from being a Corporate Employee himself, then launching 2- successful IT-ventures SOFTVAN & TUSKER AI in Software Service industry & Product Industry and partnering with AWS Services as a Consultant an educator, connector, coach & mentor at heart. His purpose is to cultivate others to fulfil their maximum potential and impact. Blend of bringing Innovations, Automation, SMART-Solutions, Vision Intelligence, leadership development, entrepreneurship and community engagement experience. He communicate and network well with people of diverse backgrounds, cultures, socio-economic and education levels globally. 44 participants have been attended from Sem-7 Students and PG students from Computer Engineering and Information Technology Department.

Structure of Lecture:

Time: 11:25 am to 1:00 pm

Mr. Harshal Trivedi discussed Cloud computing is the distribution of computing services via the Internet (the cloud), including servers, storage, databases, networking, software, analytics, and intelligence, in order to provide faster innovation, more flexible resources, and economies of scale. You typically only pay for the cloud services you use, which helps you reduce operating expenses, improve infrastructure efficiency, and scale as your business grows.

You are probably using cloud computing right now, even if you don't realise it. If you use an online service to send email, edit documents, watch movies or TV, listen to music, play games or store pictures and other files, it is likely that cloud computing is making it all possible behind the scenes. The first cloud computing services are barely a decade old, but already a variety of organisations—from tiny start-ups to global corporations, government agencies to non-profits—are embracing the technology for all sorts of reasons.

AWS enables you to select the operating system, programming language, web application platform, database, and other services you need. AWS is designed to allow application providers, ISVs, and vendors to quickly and securely host your applications – whether an existing application or a new SaaS-based application. With AWS, you take advantage of a scalable, reliable, and secure global computing infrastructure, the virtual backbone of Amazon.com's multi-billion dollar online business that has been honed for over a decade.

Using AWS tools, Auto Scaling, and Elastic Load Balancing, your application can scale up or down based on demand. Backed by Amazon's massive infrastructure, you have access to compute and storage resources when you need them. You pay only for the compute power, storage, and other resources you use, with no long-term contracts or up-front commitments. AWS utilizes an end-to-end approach to secure and harden our infrastructure,

including physical, operational, and software measures. For more information, see the AWS Security Centre.

Glimpse of Expert Lecture on Amazon Web Service

The screenshot shows a Zoom meeting interface. The main window displays a Notepad++ editor with the following code:

```
17
18 -- Server :- one No of users? new server, other new server
19
20 -- Infracuture cost [legal, Employee]
21
22 -- Scability?
23
24 -- CAPx
25
26 -- 3-4 server LB
27
28 -- Storage I
29
30 -- Monitering tools
31
32 -- HA and DR
33
34
```

The meeting controls at the bottom show the time as 12:02 PM and the title as "AWS Expert Lecture Link". The participant grid on the right includes Harshal Trivedi, NAICKER ABRAH..., SHAH ASTHA, TRIVEDI PAVAN, ayush contractor, VELANI AMAN, AMBANI HET, Rajan Patel, Mukesh Parmar, VIJAY PATIDAR, 31 others, and You.

Introduction of Cloud Computing

The screenshot shows a Zoom meeting interface. The main window displays the AWS website with several featured articles:

- STOREHUB**: StoreHub Helps Food and Beverage Businesses in... (Retail)
- MAPID**: MAPID Helps Indonesia Strengthen its Flood... (Insurance)
- Paxel**: Paxel Achieves Nationwide Same-Day Delivery with... (Insurance)

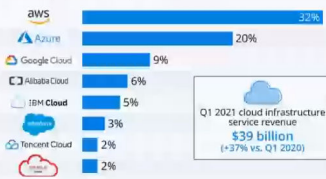
The meeting controls at the bottom show the time as 12:23 PM and the title as "AWS Expert Lecture Link". The participant grid on the right includes Harshal Trivedi, AAKASH MUDALI..., NAICKER ABRAH..., TRIVEDI PAVAN, ayush contractor, VELANI AMAN, AMBANI HET, Mukesh Parmar, VIJAY PATIDAR, MUSKAAN WADH..., 26 others, and You.

Explanation of AWS

The Future wave:- Major League Cloud Market Share

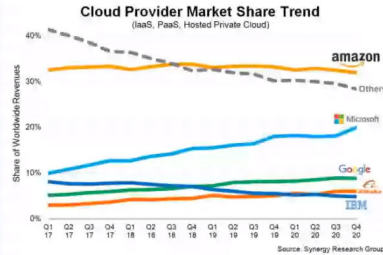
Amazon Leads \$150-Billion Cloud Market

Worldwide market share of leading cloud infrastructure service providers in Q1 2021*



Q1 2021 cloud infrastructure service revenue \$39 billion (+37% vs. Q1 2020)

* includes platform as a service (PaaS) and infrastructure as a service (IaaS) as well as Hosted private cloud services
Source: Synergy Research Group



Source: Synergy Research Group



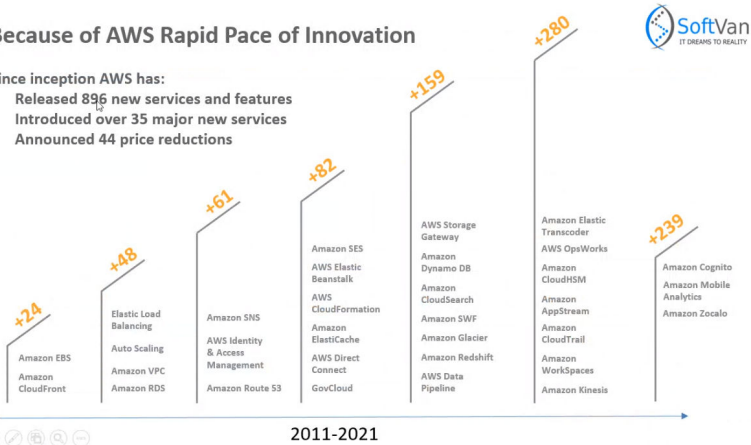
Participant grid showing avatars and names: Harshal Trivedi, AAKASH MUDALI..., HARSH MEHTA, TRIVEDI PAVAN, ayush contractor, VELANI AMAN, AMBANI HET, Mukesh Parmar, VIJAY PATIDAR, NAICKER ABRAH..., 29 others, You.

Importance of Amazon Web Service

Because of AWS Rapid Pace of Innovation

Since inception AWS has:

- Released 896 new services and features
- Introduced over 35 major new services
- Announced 44 price reductions



Regarding Amazon Web Services

The screenshot shows a browser window displaying a world map titled 'Map of AWS global infrastructure'. The map highlights various regions and availability zones across the globe. A legend indicates 'Region & Number of Availability Zones' and 'New Region (coming soon)'. The browser tabs include 'AWS Management', 'Global Infrastruc...', 'Map of AWS glo...', 'Who's Using AWS...', 'Case Studies', 'Meet - Hgg...', 'Cloud Ready Applic...', 'PDF TRAFFIC CEN...', and 'AI in Transportation...'. The address bar shows 'researchgate.net/figure/Map-of-AWS-global-infrastructure_fig1_350101944'.


Data Centres of AWS on Globe

Participant grid showing avatars and names: Harshal Trivedi, AAKASH MUDALI..., HARSH MEHTA, TRIVEDI PAVAN, ayush contractor, VELANI AMAN, AMBANI HET, Mukesh Parmar, VIJAY PATIDAR, NAICKER ABRAH..., 28 others, You.

REC Harshal Trivedi is presenting

researchgate.net/figure/Map-of-AWS-global-infrastructure_fig1_350101944

Hire the best researchers in any discipline



Region & Number of Availability Zones

New Region (coming soon)

Web Hosting Buy Now

Now is the time to build your employer brand – especially during economic downturn

Advertisement

12:17 PM | AWS Expert Lecture Link

Harshal Trivedi

AAKASH MUDALI...

HARSH MEHTA

TRIVEDI PAVAN

ayush contractor

VELANI AMAN

AMBANI HET

Mukesh Parmar

VIJAY PATIDAR

NAICKER ABRAH...

28 others

You

AWS Management Console