Koneru Lakshmaiah Education Foundation

(Category -1, Deemed to be University estd. u/s. 3 of the UGC Act, 1956)

Accredited by **NAAC** as 'A++' Grade University ❖Approved by AICTE ❖ ISO 9001-2015 Certified

Campus: Green Fields, Vaddeswaram - 522 502, Guntur District, Andhra Pradesh, INDIA.

Phone No. 0863 - 2399999; www.klef.ac.in; www.klef.edu.in; www.kluniversity.in

Admin Off: 29-36-38, Museum Road, Governorpet, Vijayawada - 520 002. Ph: +91 - 866 -2577715, Fax: +91-866-2577717.

DEPARTMENT OF ELECTRONICS AND COMPUTER ENGINEERING

Guest Talk by Y16 Alumni Siva on "AWS Cloud and VPC Configuration"

30-01-2021   3.30-4.40pm

Mr. K. Naga Siva Rao (162052003) working as Technical AZURE Engineer in Orange business service Pvt ltd, Bangalore. He is Y16 PG ALUMNI of KLEF and excited to meet the juniors back through Online.

He had a discussion with HoD sir about, everyone will migrate to Cloud technology. So that if we have knowledge on that? Later our edu' it wil helps into our career. and the faculty and showed interest in taking the session for II/IV B.TECH students and conveyed wishes to Dr. MSG Prasad (ECM-HoD), Mrs. K. Krishnaveni (F/I/C Alumni), arranged the session towards the talk.

VMware Cloud on AWS is a service that is jointly engineered by VMware and Amazon Web Services (AWS) to allow customers to run VMware workloads on the global AWS infrastructure. During the deployment phase of the VMware Cloud on AWS service, the Software Defined Data Center (SDDC) is connected to an AWS (or customer) account for seamless access to native AWS services.
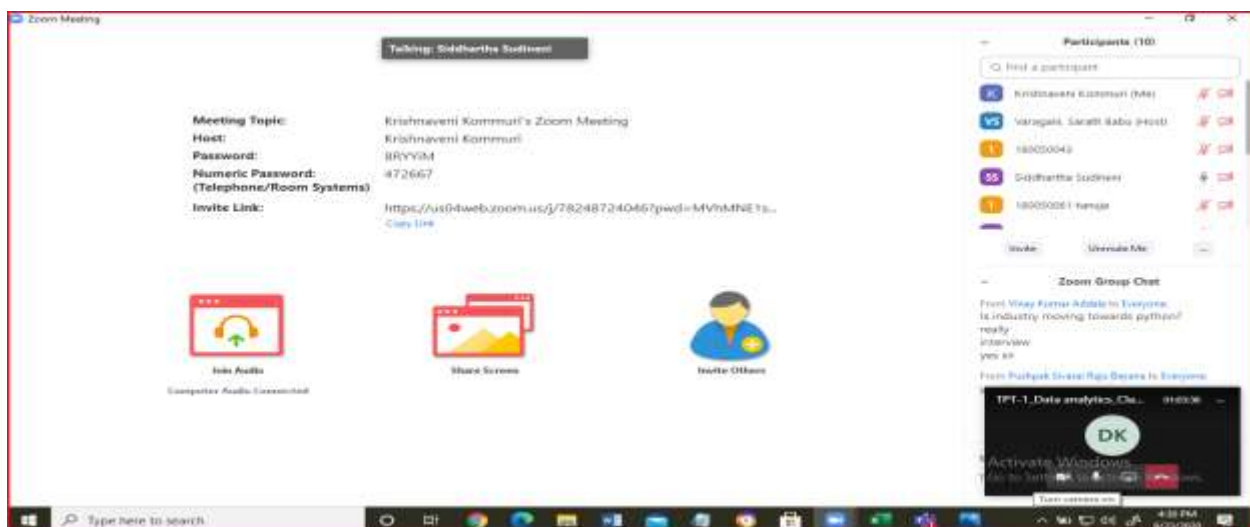

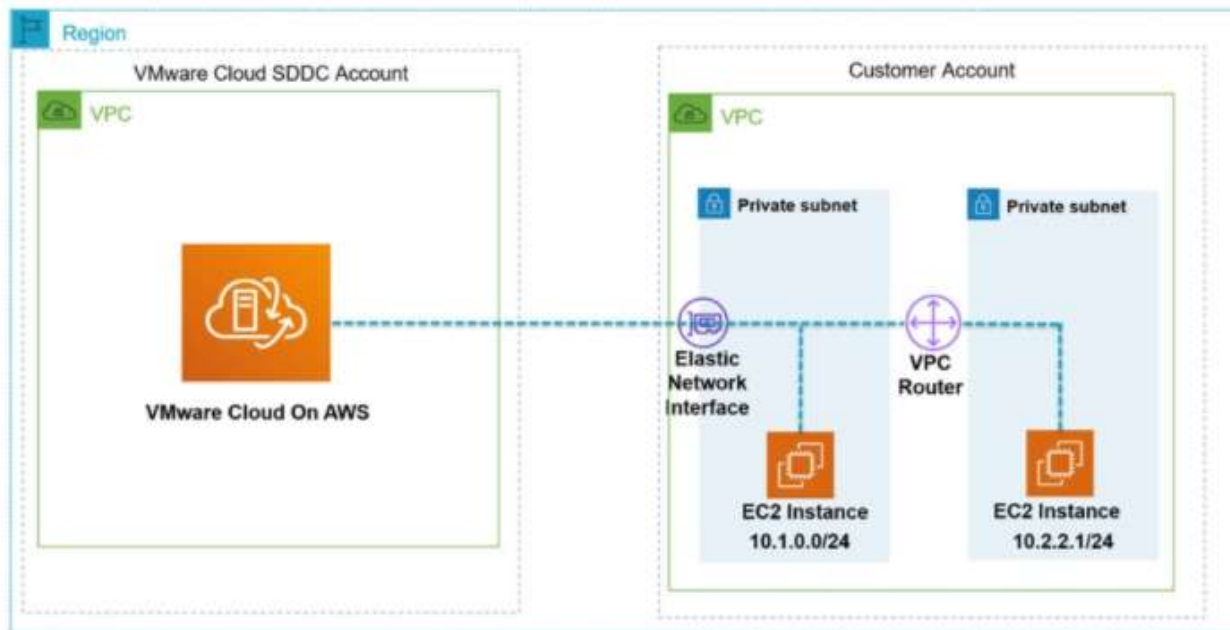Fig 1 Participants Virtual Interaction with ALUMNI

Figure 1 – AWS account and VPC connectivity to SDDC.

Fig 2. Amazon VPC Architecture

As you can see, the Amazon Virtual Private Cloud (VPC) to the left is hosted within the AWS account that is managed and operated by VMware. Customers will have no access to this VPC. The VPC to the right is hosted within the customer AWS account, and this account is what's managed directly by the customer. Depending on the resources running within the VPC of that account, customers may have to pay for those services.

For example, looking at the architecture above, the customer will be responsible for paying for the Amazon Elastic Compute Cloud (Amazon EC2) instances within the connected VPC in the customer account.

As described in Figure 2, the Elastic Network Interface (ENI) provides a high bandwidth and low latency access to services within the connected VPC. This allows virtual machines in the SDDC cluster to leverage native AWS services such as Amazon EC2, backing up virtual machines to Amazon Simple Storage Service (Amazon S3), and offloading database management to Amazon Relational Database Service (Amazon RDS) without traversing the public internet. The traffic traverses through the private AWS network backbone.

He discussed AWS VPC and finally clarified Queries by the students.

Prepared By   HOD-ECM

F/I/C Mrs. Krishnaveni   Dr MSG Prasad