DATE TO THE
Name: Shivam Sharma
Rollno: 14/1018649
Section: D
Semester: 5th
Date: 14/Sept/2020
Subject: Virtualization and C.C.

A. According to research it was shown that almost one third of all organization have been utilizing the public and private cloud infrastructur for more than three years now, and more than half of all organizations have their production workload all on the cloud. The concept of cloud computing is for above than just a physical and virtual server, which transforms into a different cybersecurity model, but gradually, all these differences lead towards a wide range of security issue. All the security concerns associated with cloud computing fall into any of two broad categories: challanges faced by cloud providers and challenges faced by thier austomers Some security challenges are: · Data leaks: A data leak also referred to as data breach is release of confidential and private data to an untrusted envisonment. Some of the challenges in cloud are also prevalent

in traditional corporate networks, but since the data stored on doud servers is huge, providers usually get to be victims of these attacks. Here the damage severity is directly proportional to the senstivity of data that is exposed · Poor diligence: This assises when an organization is not dear about any of 1ts policies, resources, and methodologies for cloud. Organization are leaverage the cloud without a complete understanding of its environment and the visk associate with it, may encounter numerous technical financial and legal not In some cases organizations are not awage of providers Gablity in case of any data loss activity This is because, they fail to sconti scontinize contract efficient

	PATE [] [] []
В.	Netflix uses Amazon Web Services
	(AWS) for nearly all its computing
	and storage needs, including data
	bases, analytics, recommendation
	engines, video transcoding, and more-
	hundreds of functions that in total
	use more than 100,000 server
	instances on AWS.
	This result in extremely complex and
	dynamic networking environment
	where applications are constantly
	Communicating inside Aws. and
	across the internet. Monitoring and
	optimizing its network is critical
	for Netflix to continue improving
	austonner experience, increause efficiency,
	reducing cost. In particular, Netflis
	needed solution for ingesting,
	augmenting, and anolyzing multiple
A CONTRACTOR OF THE PARTY OF TH	terabytes of clouts its network
	generates daily in the form of
	virtual private cloud (VPC) flow
	though logs. The company would also
	be able to increase optime by quickly
	affecting and mitigating application
	down time.
	classmate. PAGE

