Week 4 Discussion

Discuss the concept and importance of data protection and the relationship of big data to data protection.

Data Protection is protecting data from stolen or corruption or loss. If talk about data so now this digital world we are storing everything on the cloud, Phones, and computer digital. Personal data like photos, debit cards, credit cards, and personal information everything storing somewhere in digital format. To make it available through the internet. Their chance to protect our data to be lost or hacked by someone. Any organization, they have too much data are generating. They have their customers, employees, and company’s data, also customers’ and employees’ personal data too. Data protection is not about only protecting data but also keep of backup data. Big Data is the collection of huge data generated by IoT Devices, applications, Phones, and tablets. Big data is collecting and sharing data by companies. In this type of scenario, data protection is important. Like social media suggestions based on your previous online shopping, and online streaming. The business can now utilize the customer database to extract and analyze customer data in order to determine which customers are most likely to respond to specific adverts. In this business protection of data is the most important thing in that data cannot be lost or stolen, or hacked.

Replay

Hello Everyone,

Data protection is crucial because it shields an organization's information against fraud, hacking, phishing, and identity theft. Any firm that wants to operate efficiently must create a data protection plan to secure the security of its information. The significance of data protection grows along with the amount of data being created and stored. Cyberattacks and data breaches can have catastrophic consequences. Organizations must proactively safeguard their data and frequently upgrade their security protocols. In the end, securing and protecting data from various risks and under various conditions is the fundamental premise and significance of data protection.

Large amounts of data, sometimes stored in the cloud, are used by big data, which may also involve distributed processing across numerous computers. It has been hypothesized that the rise of big data increases the risks to information security. A number of new threats have been identified43 by the European Union Agency for Network and Information Security (ENISA) as a result of the possible exploitation of big data by so-called "adversaries." These mostly result from data breaches and information leaks, which, it is hypothesized, will allow adversaries to launch assaults to target additional information. The "threat trend" is escalating, according to ENISA.

Thank you.

Hello,

Yes, data protection plays a major part in any organization to keep data safe from fraud, hacking, phishing, and theft. Organizations are generating a huge amount of data and doing business with big data. So, Organizations have to upgrade their security protocols and as well as they have to audit their cyber security periodically. Thanks for sharing.

Data Protection is a process of securing data from corruption, compromise or loss. The importance on data protection increases as the amount of data increases within the organisations and the very recent coronavirus pandemic or epidemic caused millions of employees to work from home, resulting in the need for remote data protection. Businesses must adapt to ensure they are protecting data wherever employees are, from a central data center in the office to laptops at home.

With Big data comes big privacy concerns and combatting such issues only traditional data security which is network- and system-centric, but today's multi-cloud architectures spread data across more platform-agnostic locations and incorporate more data types than ever before. Big data privacy can't be an afterthought. It must be an integral part of your cloud integration and data management strategy such as:-

1. We must define and manage data governance policies to clarify what data is critical and why, who owns the critical data, and how it can be used responsibly.
2. We must discover, classify, and understand a wide range of sensitive data across all big data platforms at massive scale by leveraging artificial intelligence and machine learning tools to automate controls; then, We can use that information to develop and implement intelligent big data management policies.
3. We must be able to perform continuous risk analysis for sensitive data to understand Wer risk exposure, prioritize available data protection resources and investments, and develop protection and remediation plans as our big data grows.

Hello Kunal,

While Covid every company is providing work from home they are providing laptops for work increasing protection so that nobody can get access to a flash drive to copy data. Use VPN for data protection and a private network so no one from outside of the organization can access the data. Thanks for sharing