



CYBER SECURITY CHALLENGES

Cyberspace comprises IT networks, computer resources, and all the fixed and mobile devices connected to the global Internet. A nation's cyberspace is part of the global cyberspace; it cannot be isolated to define its boundaries since cyberspace is borderless. This is what makes cyberspace unique. Unlike the physical world that is limited by geographical boundaries in space, land, sea, river waters, and air cyberspace can and is continuing to expand. Increased Internet penetration is leading to growth of cyberspace, since its size is proportional to the activities that are carried through it.

Some Major Challenges of Cyber Security

- Convenience/ Functionalities/ Usability vs Security:
Users always prefer fun and games when compared to security. A user tends to pick a dancing girl rather than look at security issues.
- The Internet has become the primary computing platform:
Every application that we use today is based on the internet. Even to download the applications, we are in need of internet. This leads to the spread of viruses through the internet.

- Astronomical data growth:

Every day, the amount of data that we have keeps on increasing. According to statistics, Facebook alone processes 500 TB of data every day. This much data leads to security issues because the concern company may or may not be able to protect all of its data.

- Evolving Technologies:

Day by day, our world develops its technology in one way or another. This poses a major threat to the cyber security as this field is lagging behind in development.

- New Technology may bring New Vulnerabilities:

As technology develops, it may bring new types of problems that may not yet have solutions.

- Evolving tactics by attackers:

With the developing technology, the attackers have also developed new tactics to hack and breach security.

- Insufficient cyber security workers:

Among the general public, cyber security is not as popular as medicine or engineering. People tend to avoid studying this subject even when presented the opportunity. This leads to insufficient cyber security workers. When there are less workers, the attackers tend to increase and there is a serious threat to everyone in the world.

THANK YOU

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