

The cyber attacks in recent days have exposed the vulnerabilities in critical infrastructures in developed countries & India has to develop reinforcements against such attacks. Examine

As data becomes the world's most precious commodity, cyber attacks on data & data system are intensifying and even developed countries not excluded from these attacks

Cyber attacks - developed countries

- 1] Data breach on several U.S government including defence energy as reported
- 2] Thousands of U.S organizations were hacked in 2021
 ex- cyber attack by Chinese group Hacking on Microsoft's software
Solar Winds attack by Russia
- 3] Difference between Civilian & Military infrastructure narrowed
 ex:- cyber attack on Airmaxco employee leads to wiping out 30,000 computer data
- 4] Ransomware, phishing, spearphishing are common on company data's

India one of the fastest growing software industry & in the phase of digital revolution need to reinforce cyberspace

1] As promoting digital payment, financial inclusion & DBT to assere, RBI circular on data localization card tokenization is applicable

2] As goI planning National digital health mission & digital ID, it is prone to personal data breach affects privacy under A21 of constitution, need to be addressed

3] Zero-day software on military establishments increasing need to promote make in India hardware & software

Ex- prefer Indian companies in 5G network development

4] Skill development of youth in cyber space like White Hat hackers, cyber swachhta kendra etc, need to avert the situation quickly

Computer Emergency Response team (CERT-In) a nodal agency in cybersecurity need to use technologies like Artificial intelligence, machine learning & quantum computing in developing resilient cyber space in India