




CYBER ATTACKS



BRUTUE FORCE



In the world of Cyber crimes, brute force attack is an activity which involves repetitive successive attempts of trying various password combinations to break into any website. This attempt is carried out vigorously by the hackers who also make use of bots they have installed maliciously in other computers to boost the computing power required to run such type of attacks.


HOW TO PREVENT BRUTE FORCE ATTACK



- ❁ Password Length.
- ❁ Password Complexity.
- ❁ Limit Login Attempts.
- ❁ Using Captcha.


DICTIONARY ATTACK



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- ❁ A dictionary attack is almost the same as brute force attack but the combinations that are tried are those which have a high probability of success such as the words in the dictionary.
 - ❁ It works most of the time since user's insist on using dictionary words as the passwords
 - ❁ Dictionary attacks are rarely successful against systems that employ multiple-word phrases, and unsuccessful against systems that employ random combinations of uppercase and lowercase letters mixed up with numerals

BIRTHDAY ATTACK



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- ❁ A type of cryptographic attack that exploits the mathematics behind the birthday problem in probability theory
 - ❁ The birthday problem is that in a class having 30 students, the teacher asks for the student's birthday to determine if any two students have the same birthday