

Distributed Denial of Service Attack

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Distributed denial of service attack occurs when multiple hijacked computers are blocking the proper functioning of systems. This can happen to websites, servers, and other types of services. The hijacked computers then deny service to users by bombarding the system with requests or messages that block out any actual users to access the server. Services may be forced to shut down or just crash from all of the activity. This type of attack can occur in three different ways; network-centric or volumetric attacks, protocol attacks and application layer attacks.

Network-centric attacks are the most common type of DDoS attacks. These attacks occur when a service is bombarded with requests which blocks actual users from making requests to the service. Protocol attacks find flaws within a server and flood the server with messages through this flaw. Lastly, application layer attacks occur when they attack the server with a multitude of application calls. These attacks can be very dangerous against businesses and have lasting effects. This is why it is very important for organizations to get protection for their online services and make sure to have extra security to protect things like consumer information, passwords and other important information.

One example of a distributed denial of service attack was when the hacker group Anonymous tried to intervene in the Trump Hillary Campaign. They declared a total war on Donald Trump and called it Operation Trump Campaign. Their plan was to flood the Trump website with traffic on April 1st to stop people from being able to use the site. On April 1st, many of Trump's sites were actually down, even though Anonymous had claimed to call off the attack. This type of attack was a volume attack because the hacker group got many other users to join in their movement and bombard his websites. In the end, their attack was somewhat successful but their message did not get across due to the fact Trump is now our president.