



Cyber Security for ISP

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CYBER Security

Cyber security is the practice of defending computers, servers, mobile devices, electronic systems, networks, and data from malicious attacks. It's also known as information technology security or electronic information security. The term applies in a variety of contexts, from business to mobile computing, and can be divided into a few common categories.

CYBER Security RISK

- Network Security
- Application Security
- Information or Data Security
- Cloud Security
- Mobile Security
- Critical Infrastructure Security
- Internet of Things (IoT) Security

ISP Challenge

- Ransomware
- IP Blacklist/IP Reputation
- DDoS
- Botnet

RAMSOMWARE

- Ransomware is malicious software (**malware**) that leverages data encryption to extort organizations for substantial ransoms. Once paid, ransomware attackers theoretically restore access to or unencrypt affected data using a decryption key.
- Ransomware attacks often begin with a social engineering tactic, such as **phishing emails** or watering hole attacks, which trick users into downloading the malware. The attackers may then demand payment in cryptocurrency, credit card payments, or wire transfers.



IP Blacklist/IP Reputation

UCEPROTECT-NETWORK

Spammer listings within the last 7 days:
Level 1: 83495 IP's, Level 2: 18204 Allocations, Level 3: 1183 ASN's. Last Updated: 20.09.2023 08:04 CEST

DNSBL.info | SPAM DATABASE LOOKUP

HOME BLACKLISTS REMOVAL REPORT SPAM SUPPORT

Quick Blacklist Check: 8.8.8.8

Welcome to DNSBL.info

DNSBL Information provides a simple way to check an IP address on more than 100 DNS based blacklists. To check, simply press the "CHECK THIS IP" button.

- 10/30/2019 [EMAILBASURA OFFLINE](#)
- 5/30/2019 [SPAMCANNIBAL OFFLINE](#)
- 3/1/2016 [relays.bl.kundenserver.de](#)
- 5/19/2015 [DUL.RU OFFLINE -- ROKSO](#)
- 4/30/2014 [DNSBL.AHBL.ORG OFFLINE](#)

What is a DNSBL?

Domain Name System Blacklists, or DNSBLs, are lists of IP addresses that a website administrator can use to block messages. To be on a list implies, the lists are based on the IP address such as 66.171.248.182 in reverse DNS lookup and search. If the maintainer of a list has an IP address, that server would be "blacklisted" on sites that use that specific list.



The Best in Automatic IP List Removal

Welcome to SpamRATS!

SpamRATS is one of the industry's leading IP Reputation (IP lists) services and data feeds. With over 15 years of threat intelligence. We provide several different services to meet your individual needs.



RATS-Dyna - Probable PC or home connection infected



RATS-NoPtr - An IP Address which has no reverse DNS



RATS-Spam - An IP Address that has been shown to be

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SORBS

General Listing DeListing Contact Us Tools Information

The Spam and Open Relay Blocking System (SORBS) was conceived as an anti-spam project where a daemon would check "on-the-fly", all servers from which it received email to determine if that email was sent via various types of proxy and open-relay servers.



Introduction

The SORBS (Spam and Open Relay Blocking System) provides free access to its DNS-based Block List (DNSBL) to effectively block email from more than 12 million host servers known to disseminate spam, phishing attacks and other forms of malicious email. The list typically includes email servers suspected of sending or relaying spam, servers that have been hacked and hijacked, and those with Trojan infestations. In an attempt to provide preemptive protection, SORBS also lists servers with dynamically allocated IP addresses.

If you have a support issue, please use our [Get Support](#) form.

New manager tools are in development for our registered users to help manage their IP netblocks. The tools are currently in early access. If you are interested in these tools, please click here: [Net Manager](#).

If anyone would like to contribute to SORBS or has any suggestions for new detection routines, and/or hosts to be listed, the SORBS team would love to hear from you. Please use the [Mail/Contact Form](#) to get in touch and discuss your thoughts.

- Deutsch
- The Project
- SPAM-FAQ
- Blacklist Policy
- Help for ISPs
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- How to use
- Removal Policy
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- Query Database
- Pillory
- Netstatus
- Statistics

Spam D

Blocklists

Safe DNSBLs for Safe Filter

SBL Adviso

XBL Adviso

SuperTool Beta7

blacklist:104.100.2.100

BLACKLISTING isn't the **ONLY** email delivery issue [LEARN MORE](#)

We notice you are on a blacklist. [Click here for some suggestions](#)

Checking **104.100.2.100** against **84** known blacklists...

Listed **1** times with **3** timeouts

	Blacklist	Reason	TTL
✖ LISTED	UCEPROTECTL3	104.100.2.100 was listed <input type="button" value="Detail"/>	2100
✔ OK	OSPAM		
✔ OK	OSPAM RBL		
✔ OK	Abuse.ro		
✔ OK	Abusix Mail Intelligence Blacklist		

BlacklistMaster

[Blacklist monitoring](#) [Mail server monitoring](#) [Reverse DNS test](#) [Blacklist check](#) [Prices](#) [Log in](#) [Sign up](#)

Blacklist Check

The Blacklist Check Tool tests your IP address and domain against [RBL database](#).

IPv4, IPv6 or domain name

RBL check

- IP blacklist check
 Domain blacklist check

Want [blacklist alerts](#) instantly delivered to your mail box? [Try](#) blacklist monitoring free!

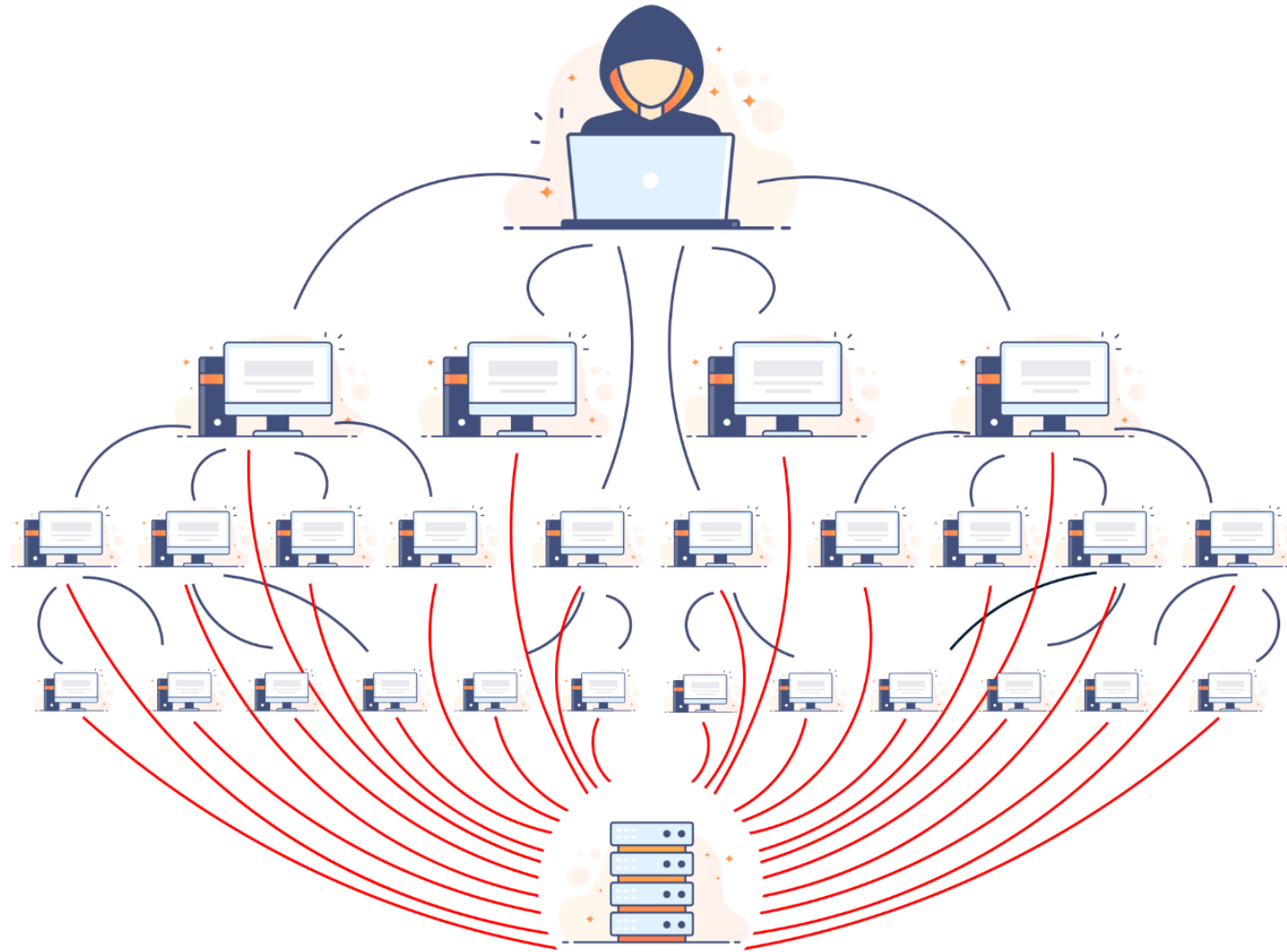
104.100.2.100 blacklist lookup result

Blacklist	Description	Status
bl.ospam.org	Ospam Project	Not Listed
UrlhausIP	Abuse.ch Urlhaus IPs	Not Listed
rbl.abuse.ro	Abuse.ro RBL	Not Listed
cbl.abuseat.org	Composite Blocking List	Not Listed

DDoS

DDoS Attack means "**Distributed Denial-of-Service (DDoS) Attack**" and it is a cybercrime in which the attacker floods a server with internet traffic to prevent users from accessing connected online services and sites.

Motivations for carrying out a DDoS vary widely, as do the types of individuals and organizations eager to perpetrate this form of cyberattack. Some attacks are carried out by disgruntled individuals and hacktivists wanting to take down a company's servers simply to make a statement, have fun by exploiting cyber weakness, or express disapproval.



ATTACKED SERVER

DDoS attack on Cambodia's top ISPs reached 150Gbps

Luana PASCU
November 09, 2018

APNIC

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DDoS tsunami: A Cambodian case study

By [Robbie Mitchell](#) on 25 Jun 2019

Category: [Tech matters](#)

Tags: [Cambodia](#), [DDoS](#), [security](#)

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A natural early warning sign of an unexpected recession of water level

Although Cambodia's capital, Phnom Penh, has experienced tsunamis — being some 150km from the data-tsunami of sorts last November — Distributed Denial of Service (DDoS) attacks

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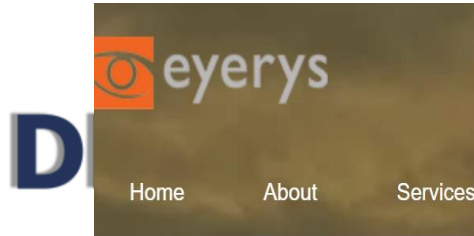
Cambodia Angkor Air Cyber Attack: 'Host Kill Crew Hackers' Claims Responsibility

A lesser-known hacker group, which calls itself Host Kill Crew, has taken responsibility for the Cambodia Angkor Air cyber attack

by [Vishwa Pandagle](#) — May 10, 2023 - Updated on June 26, 2023

in [Dark Web News](#), [DDoS Attacks News](#), [Firewall Daily](#), [Hacking News](#)

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4 Cambodia ISPs Hit By Some Of The Biggest DDoS Attacks In Its History

06/11/2018

Digi, Telcotech, SINET and EZECOM, which are 4 of the largest internet service providers (ISPs) in Cambodia, have been attacked by large-scale DDoS attacks.

Local news in Cambodia called the DDoS attack as the biggest attack to have occurred in the history of the country. Sources familiar with the incident revealed that the DDoS attacks have struck the ISPs with a peak of 150Gbps on November 5 and 6.

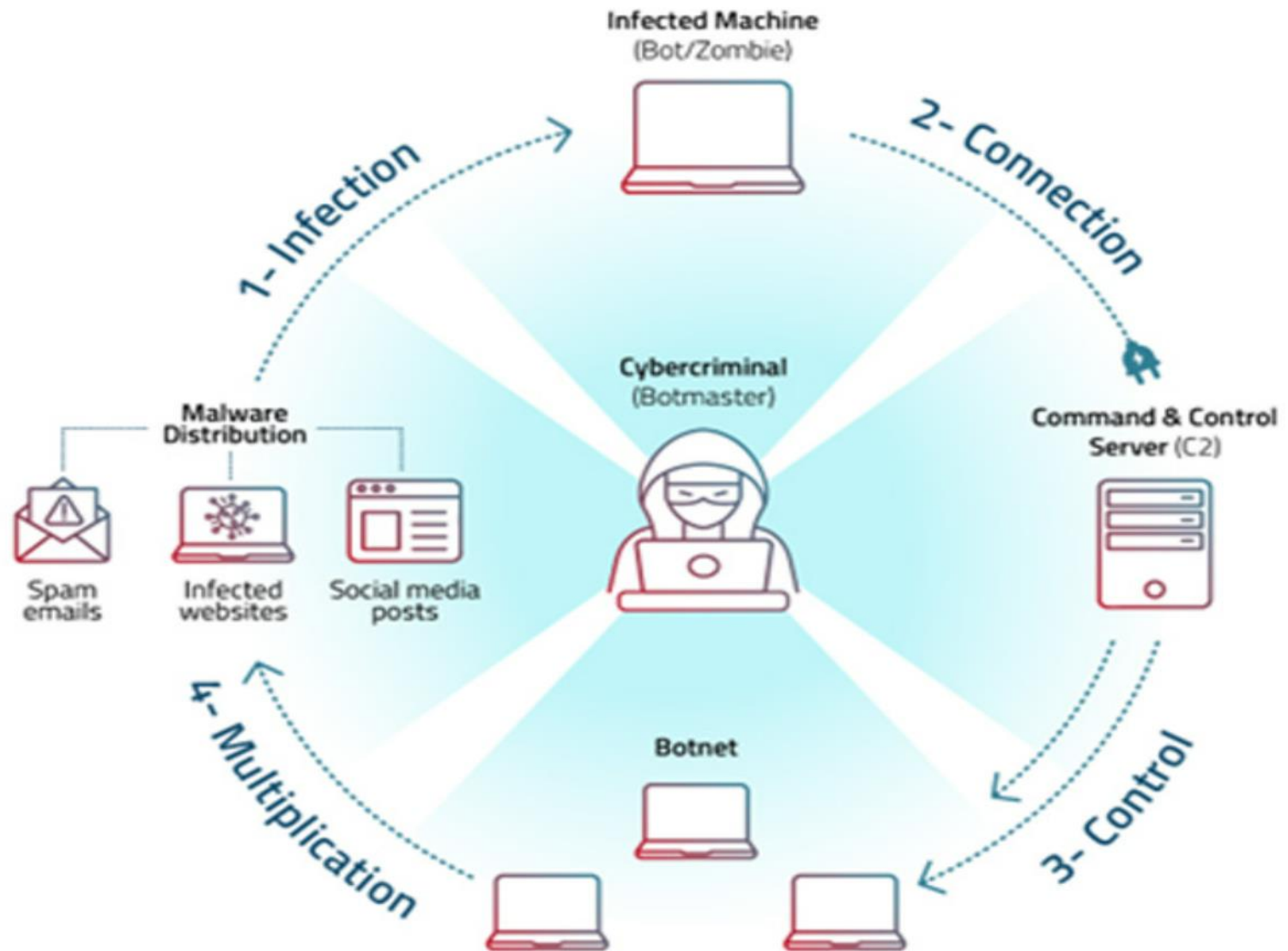
What was the largest DDoS attack of all time?

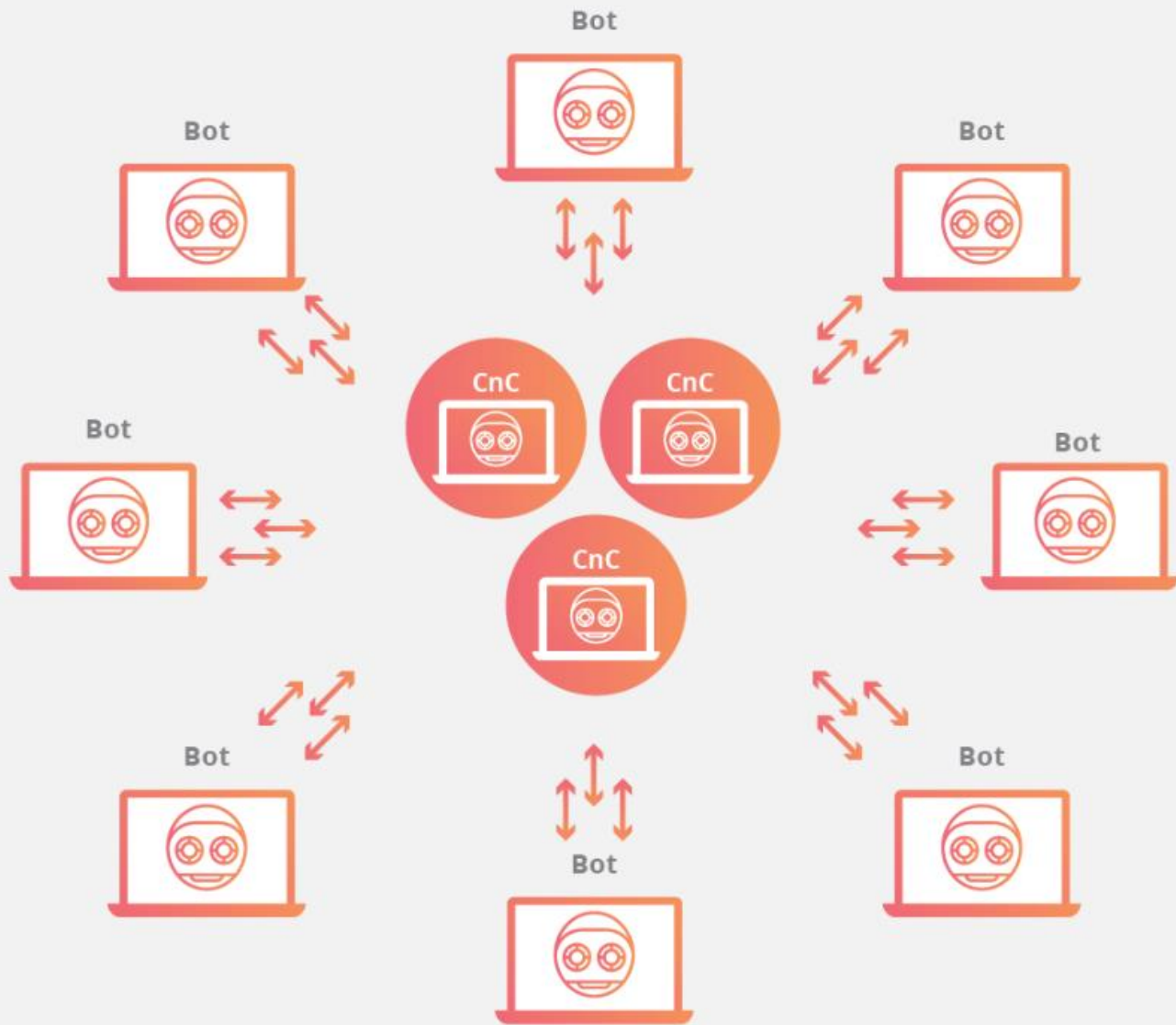
- The biggest DDoS attack to date took place in September of 2017. The attack targeted Google services and reached a size of **2.54 Tbps**.
- AWS reported mitigating a massive DDoS attack in February of 2020. At its peak, this attack saw incoming traffic at a rate of **2.3 Tbps**.
- One of the largest verifiable DDoS attacks on record targeted GitHub, the attack reached **1.3 Tbps**, sending packets at a rate of 126.9 million per second.
- On October 21, 2016, Dyn, a major domain name service (DNS) provider, the DDoS attack may have actually achieved a rate of **1.5 Tbps**.
- On Feb. 28, 2018, GitHub, a platform for software developers, was hit with a DDoS attack that clocked in at 1.35 Tbps and lasted for roughly 20 minutes.
- In February 2021, Akami announced that they had dealt with “three of the six biggest volumetric DDoS attacks” the company has ever recorded. In this case the threat attack weighed in at **800Gbps**.

Botnet

Botnets are networks of hijacked computers and internet-connected devices that are infected by **malware** (i.e., malicious software). The malware runs bots on the compromised devices without the knowledge of device users. Botnets—a combination of the words “robot” and “network”—are usually controlled by a botmaster or bot herder. The bot herder essentially turns these hijacked computer devices into remote-controlled “zombie” computers. By linking compromised devices in large numbers, it becomes possible to create botnets that can be leveraged against various targets to carry out distributed denial of service (DDoS) attacks, account takeover, data theft and several other types of attacks.

How a Botnet Works







Thank you