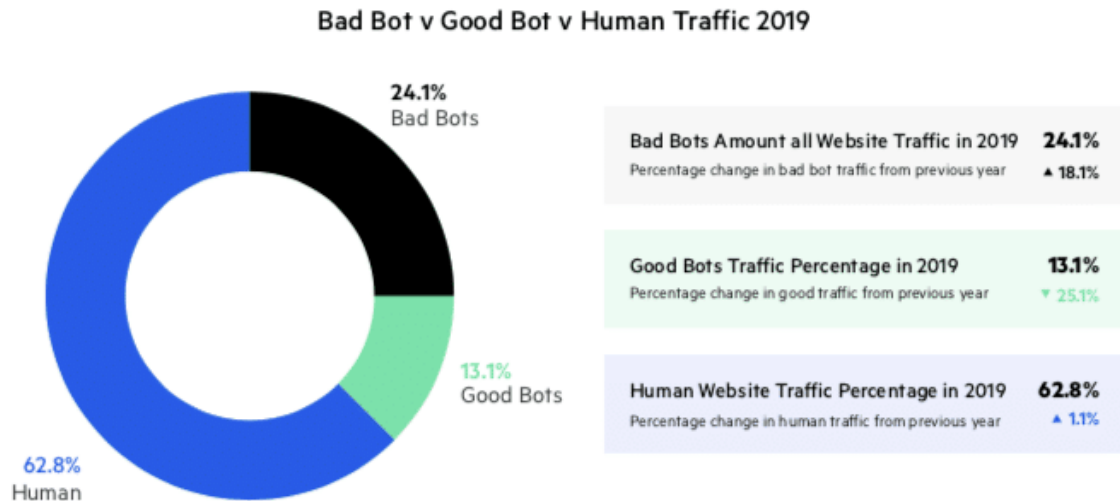# Attack of the Bad Bots
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Following the latest Bad Bot Report from Imperva's Threat Research Lab, bad bot traffic rose to 24.1%, the highest proportion ever. It's almost one quarter of all internet traffic.

Bad Bot v Good Bot v Human Traffic 2019

Bad Bots Amount all Website Traffic in 2019	**24.1%**
Percentage change in bad bot traffic from previous year	▲ 18.1%
Good Bots Traffic Percentage in 2019	**13.1%**
Percentage change in good traffic from previous year	▼ 25.1%
Human Website Traffic Percentage in 2019	**62.8%**
Percentage change in human traffic from previous year	▲ 1.1%

What are Internet Bots
In short, Internet Bots are software applications used to automate tasks that otherwise would be tiresome for a human to pursue. An example would be Google search engine, which uses bots that crawl through web content, to index information.

Bad Bots and how they can harm your organization
As bots have become an integral part of the internet, we can notice the rise of bad bots, the ones used by malicious actors for different hacking and fraud jobs.

Types of Bad Bots:
1) **Web Scraping** – use web crawling to copy the entire content of a website, in order to make a *fake* or *clone* site, to trick people
2) **Data harvesting** – steal personal and financial user data from websites
3) **Credential stuffing (Account lockouts)** – bots that use brute-force login to gain access to websites
4) **Spam** – they create fake accounts on websites and social media pages, and use them for false comments or reviews

How to fight them
You can protect your business by following these steps:
1) Understand your vulnerabilities – companies must continually evaluate and improve their security measures
2) Detect and categorize – it is important to review your website traffic to detect potential bots, and then to make the difference between known bot traffic and malicious bots
3) Employ defensive measures – adopt cybersecurity measures to protect your websites and continually enhance them to keep up with the threats

For more details, you can visit:
https://securityboulevard.com/2020/06/bad-bots-what-they-are-and-how-to-fight-them/
https://www.globaldots.com/blog/what-bad-bots-do
https://www.imperva.com/blog/bad-bot-report-2020-bad-bots-strike-back/