

WORLD PASSWORD DAY 06/05/2021

Security of private data is a serious global issue. Here are some eye-opening statistics about security of IoT devices everyone needs to know.

AT LEAST 15% OF IOT DEVICES...

... use default passwords!



46

DEFAULT IOT PASSWORDS DISRUPTED THE INTERNET...

Exactly this number was included into 09/30/2016 Mirai source release. Some of those passwords were traceable to a device vendor and device type. Mirai botnet primarily targeted IP cameras, DVRs, and consumer routers.

595

The number of CVE records related to "default passwords"



200

The number of CVE records related to "default credentials"



TOP 20 MOST COMMON IOT /ROUTER PASSWORDS

Tech Password Admin root access (none) manager system user router
setup secure guest sysadm pass
1234 switch ascend security sys
switch ascend security sys



RECOMMENDATION FOR GOOD PASSWORD PRACTICES



[NIST Special Publication 800-63B](#)
[NIST Special Publication 800-107](#)

INFORMATION SOURCES

[15% of IoT Devices use default passwords: Research](#)

[Understanding the Mirai Botnet](#)

[NIST National Vulnerability Database](#)

[Default Passwords](#)

HOW BINARE.IO CAN HELP?



binaré

- Binare's IoT firmware security analysis platform scans, monitors, and alerts on default, hardcoded, backdoor passwords.
- Do not wait your IoT devices to become targets for future "new Mirai"-type attacks!