

CONNECTED DEVICES



CONNECTED DEVICES HAVE ENORMOUS POTENTIAL

AND WILL LIKELY IMPACT THE WAY WE LIVE...



8.4 BILLION

THE NUMBER OF CONNECTED DEVICES IN 2017



THIS IS SET TO RISE TO:

20.4 BILLION BY 2020



GLOBAL MARKET FOR CONNECTED DEVICES AND SERVICES TOTALLED

\$2 TRILLION



DANGER!

JUNE 2016

SECURITY EXPERTS AT **SURCURI** DISCOVER A BOTNET USING IP ADDRESS IN 105 COUNTRIES

25,000 CCTV CAMERAS



USED TO LAUNCH A DISTRIBUTED DENIAL OF SERVICE ATTACK



150,000 IOT DEVICES

XXXXXXXX

1TBPS THE LARGEST DDOS ATTACK EVER RECORDED

DANGER!

SEP 2016

HOSTING PROVIDER **OVH** IS ATTACKED BY A BOTNET



DANGER!

OCT 2016

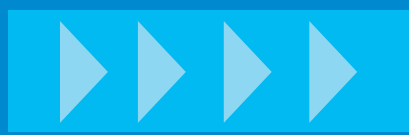
SERIES OF DISTRIBUTED DENIAL OF SERVICE ATTACKS OCCUR AGAINST **DYN DNS**



THE MIRAI BOTNET CAUSED BIG BRAND WEBSITES TO BECOME UNAVAILABLE



A RECENT **SANS SURVEY** HIGHLIGHTED THAT



27%

OF THOSE SURVEYED INDICATED A BREACH OR INFECTION IN THEIR CONTROL SYSTEMS



UP FROM **20%**



PROVIDERS OF CONNECTED DEVICES NEED TO UNDERSTAND



SECURITY VULNERABILITIES IN THEIR PORTFOLIO



MANUFACTURERS NEED TO PRIORITISE **SECURITY BY DESIGN**

SECURE DESIGN AND DEVELOPMENT OF CONNECTED DEVICES SYSTEMS - **MAKE SURE YOU ARE SAFE!**

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