

IoT in the enterprise

Traffic is growing and so is the risk

To discover how many IoT devices are in use in enterprises, how much traffic they're generating, and how much risk they may present, Zscaler™ ThreatLabZ™ analyzed traffic across the cloud for one month and prepared a **report**. Here are some findings:

56 million

IoT device transactions were processed in the Zscaler cloud

270

different types of IoT devices

153

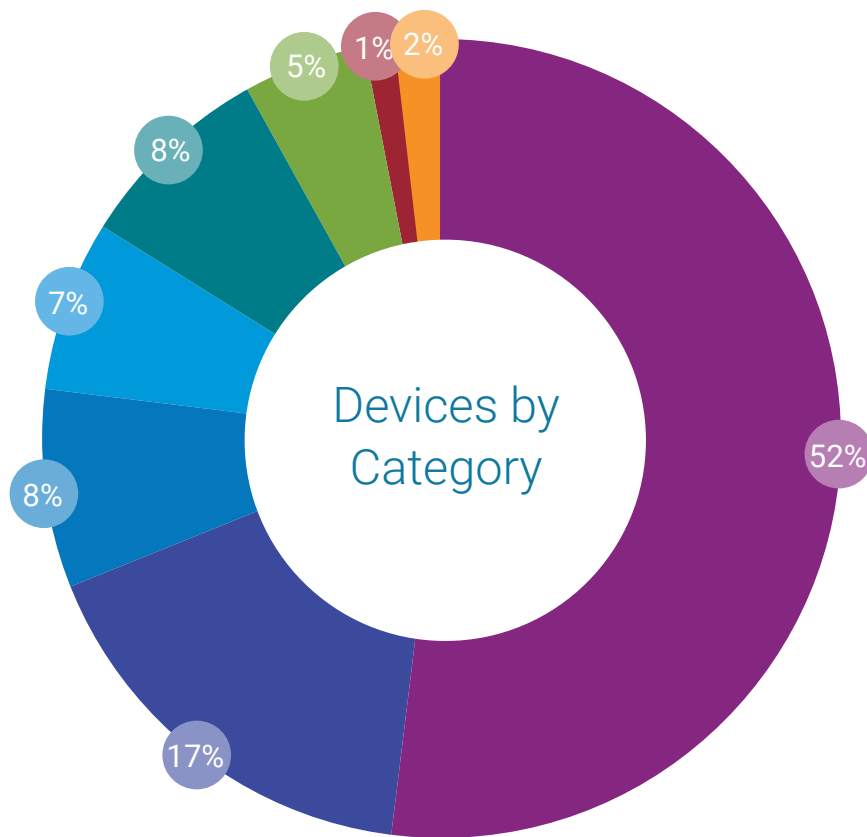
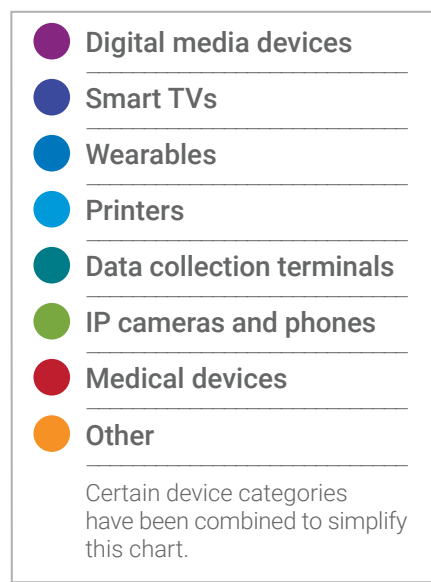
different IoT device manufacturers

1,051

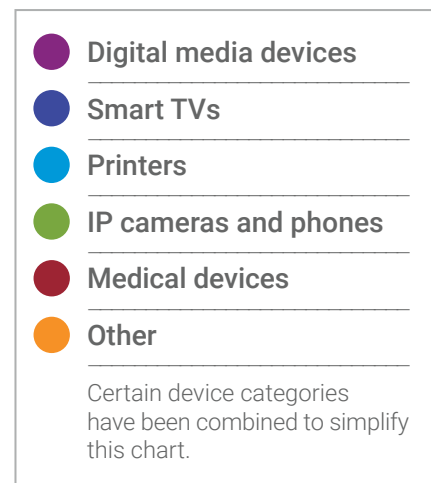
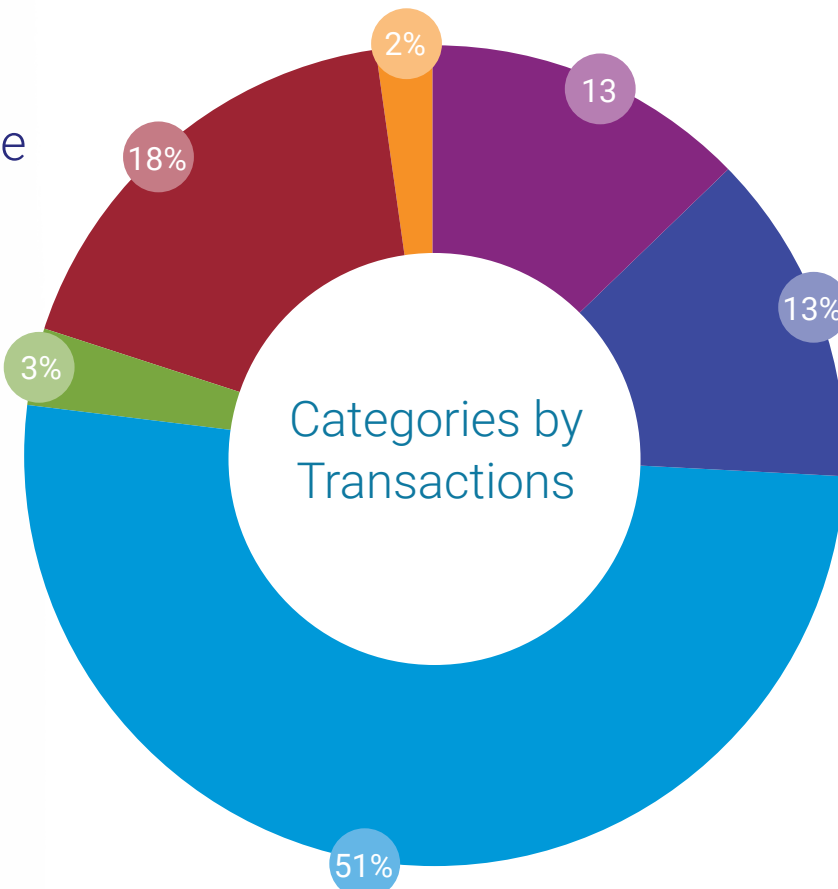
organizations have at least one IoT device

IoT devices by category

Digital media devices (including set-top boxes and DVRs) were the most used devices, followed by smart TVs and smart watches (wearables).



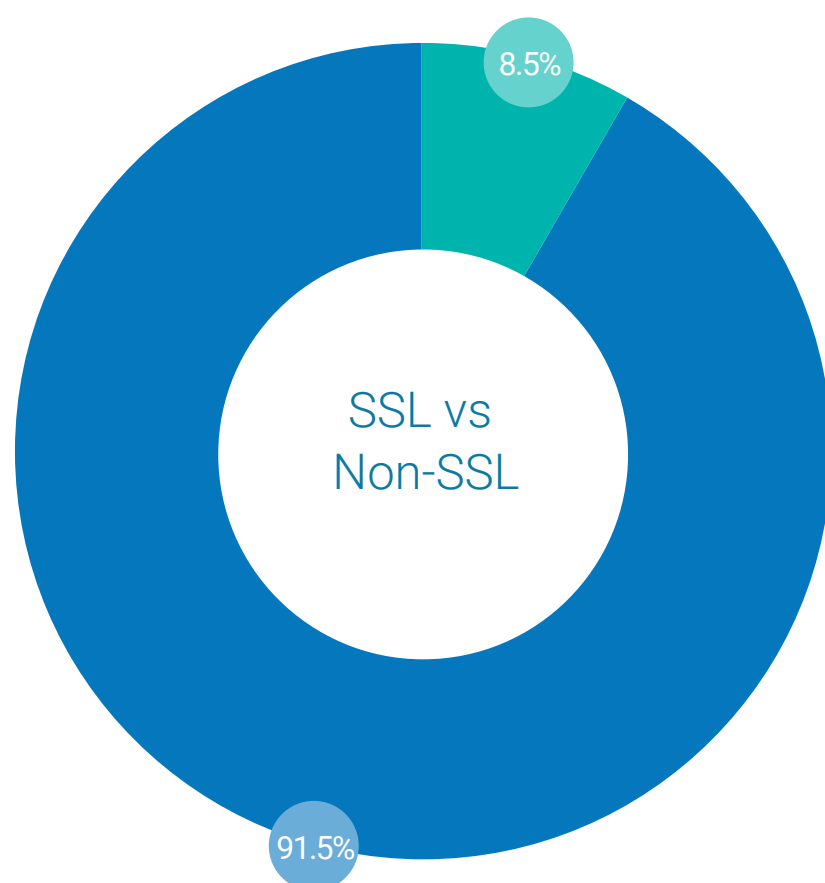
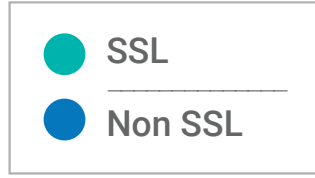
Data collection terminals were the chattiest devices, accounting for 80% of all IoT transactions. The remaining 20% included printers, digital media devices, medical devices, and smart TVs.



SSL vs. Non-SSL

Most IoT traffic is unencrypted

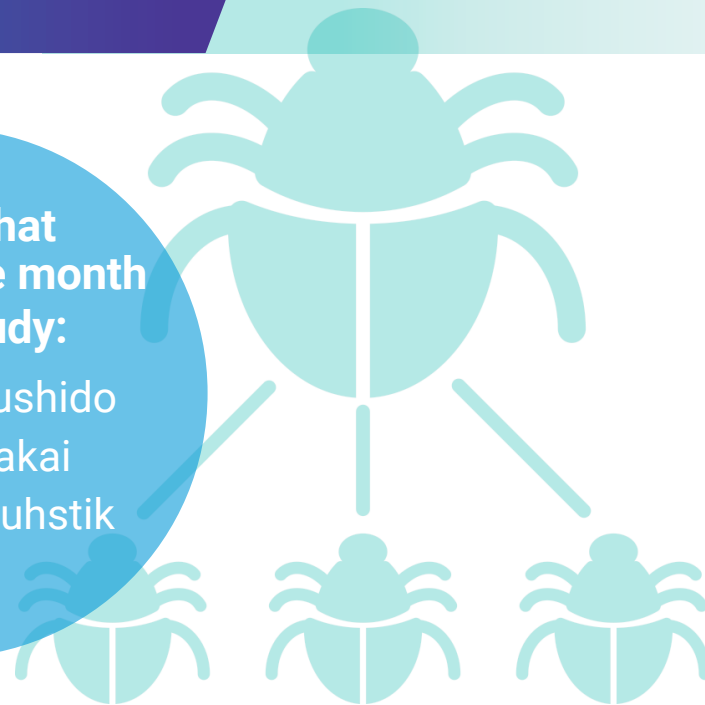
In spite of most internet traffic using encrypted channels, more than 90% of IoT transactions are occurring over a plain text channel, making them vulnerable to attack.



Malware in IoT traffic

Each quarter, the Zscaler cloud blocks approximately 6,000 transactions from IoT-based malware and exploits.

- Here's what we saw in the month of our study:
- Mirai
 - Rift
 - Gafgyt
 - Bushido
 - Hakai
 - Muhstik



Zscaler, the world's largest security platform built for the cloud, secures all traffic, including IoT traffic, for thousands of leading organizations around the world.

Want to learn more?

[Read the Entire Report](#)

