FORTINET

THREAT LANDSCAPE REPORT Q1 2017

ATTACK TOOLS— ANYWHERE ANYTIME SERVICE

RANSOMWARE EXPANDS

Almost **10%** of organizations detected ransomware activity last quarter

Malicious ransomware like WannaCry can scale-out to hundreds of organizations across the world at once

AUTOMATIC ATTACKS

80% of organizations reported high-or critical-severity exploits

Distribution was consistent worldwide, likely due to fully automated tools that methodically scan the Internet for opportunities

MOBILITY ACCELERATES THE SPREAD OF MALWARE

MORE MOBILE MALWARE

BYOD policies makes protecting against malware on mobile devices challenging

Its percentage of the **TOTAL MALWARE VOLUME** jumped from **1.7%** IN Q4 2016 TO **8.7%** IN Q1 2017

ANDROID ON THE RISE

3 families of Android malware broke into the top of the charts

Up from only one in the previous quarter

REGIONAL PREVALENCE

Mobile malware prevalence **ROSE IN EVERY REGION** except the Middle East

DIMINISHING NETWORK VISIBILITY & CONTROL

ENCRYPTED TRAFFIC JAM

HTTPS traffic hit a **MEDIAN RATIO OF 55%** this quarter

Many defensive tools have poor visibility into encrypted communications to inspect for hidden threats

THE CLOUDINESS OF CLOUD APPS

Organizations use a median of **62 CLOUD APPLICATIONS** (roughly one-third of all applications detected) with IaaS hitting a new high point

The challenge is that data visibility can drop significantly within the cloud

VERTICAL VULNERABILITY

Analysis shows that the attack surface across most vertical industries was the same. Using automated tools, cyber criminals can **EXPLOIT SIMILAR ATTACK SURFACES** more easily.

WHAT CAN YOU DO?

Most of today's threats are opportunistic.

For effective protection, security leaders should:

- Review their security posture
- Expand visibility and control across distributed networks (from IoT to the cloud)
- Minimize the accessible attack surface
- Automate—attacks using automated tools require automated responses

READ THE COMPLETE FORTINET THREAT LANDSCAPE REPORT FOR Q1 2017

www.fortinet.com/threatreport