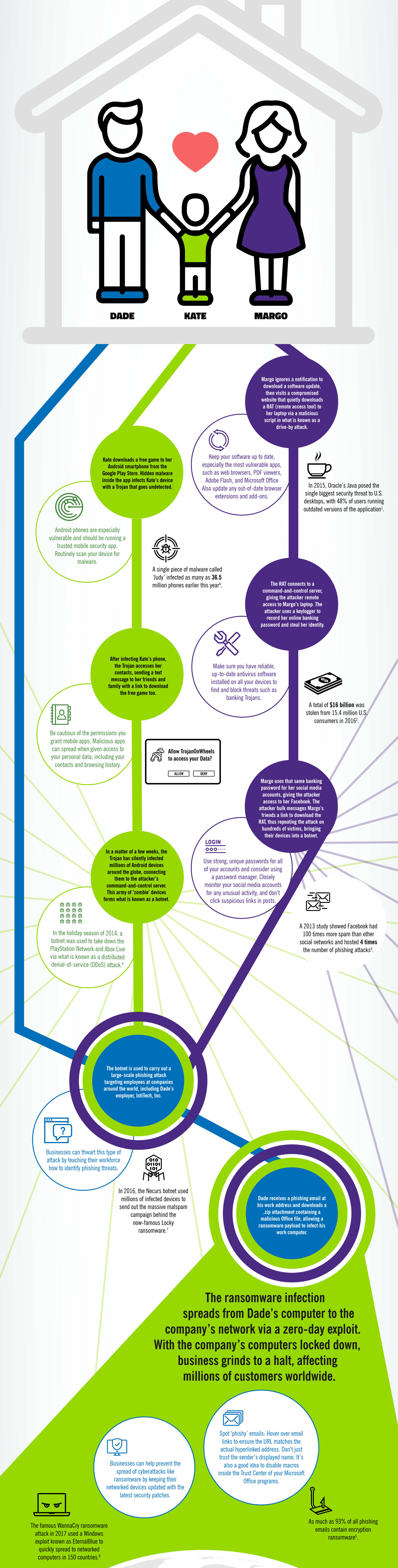


OCTOBER IS NATIONAL CYBERSECURITY AWARENESS MONTH

Our world is more connected than ever, and that means we all play a role in making the internet a safer place to learn, connect, and do business. Here's an example of how every member of your family can play a part in the global spread of cyberattacks. Follow the safe habits below to stop cyber threats in their tracks.



LEARN THE LINGO

Common cybersecurity terms you should know

Antivirus software is a program or set of programs designed to prevent, search for, detect, and remove software viruses, and other malicious software like worms, trojans, adware, and more.

A **bot** is an Internet-connected device that has been taken over and used to do something other than what was intended, usually via a remote access tool (RAT). Many bots are combined to form a **botnet**, which can be used to carry out different types of cyberattacks.

Command-and-control servers are used to issue commands to devices that are part of a botnet.

Firewalls act as protective barriers between computers and the internet. It is recommended you install them on your computers, laptops, tablets and smartphones, if available.

Hacking is the act of gaining unauthorized access into computer systems, usually in order to steal, change or destroy information, often by installing dangerous malware without your knowledge or consent.

Keyloggers are programs that record every keystroke made by a computer user, especially in order to gain fraudulent access to passwords and other confidential information.

Phishing is a social engineering hack that involves tricking people into revealing personal information, such as passwords and credit card numbers. These attacks are usually in the form of an email disguised as trustworthy.

Malware is short for "malicious software" and includes any program or file on a computer used to run unauthorized processes. Malware is used by cybercriminals to commit crimes such as identity theft and credit card fraud.

Ransomware is a type of malware that blocks access to your files until a "ransom" payment is made.

A **RAT** or **remote-access-tool** is a program used to remotely access or control a computer.

Trojans is a form of malware that misleads users of its true intent. Ransomware attacks are often carried out using a Trojan.

A **zero-day exploit** takes advantage of a security vulnerability in software before the software's creator becomes aware and fixes it.

¹ Java is the biggest vulnerability for US computers, by Maria Korolov, CSO Online, 1/26/2015
² 2017 Identity Fraud: Securing the Connected Life, by Al Pascual, Kyle Marchini, Sarah Miller, Javelin Strategy, 2/1/2017.
³ STUDY: Facebook Has 100X More Spam Than Other Social Networks, 4X More Phishing Attacks, by David Chen, AdWeek, 10/1/2013.
⁴ Android Malware 'Judy' Hits as Many as 36.5 Million Phones, by David Z. Morris, Fortune, 5/28/2017.
⁵ 93% of phishing emails are now ransomware, by Maria Korolov, CSO Online, 6/1/2016.
⁶ Infamous Lizard Squad attacks on Sony, Microsoft lead to federal charges, by Charlie Hall, Polygon, 10/7/2016
⁷ Necurs Botnet Comes Back to Life After Three-Week Hiatus, by Golan Ompanu, Softpedia News, 6/22/2016
⁸ Massive ransomware attack hits Europe, by Sara Fischer, Alayna Treene, and Shannon Vavra, AXIOS, 6/27/2016-