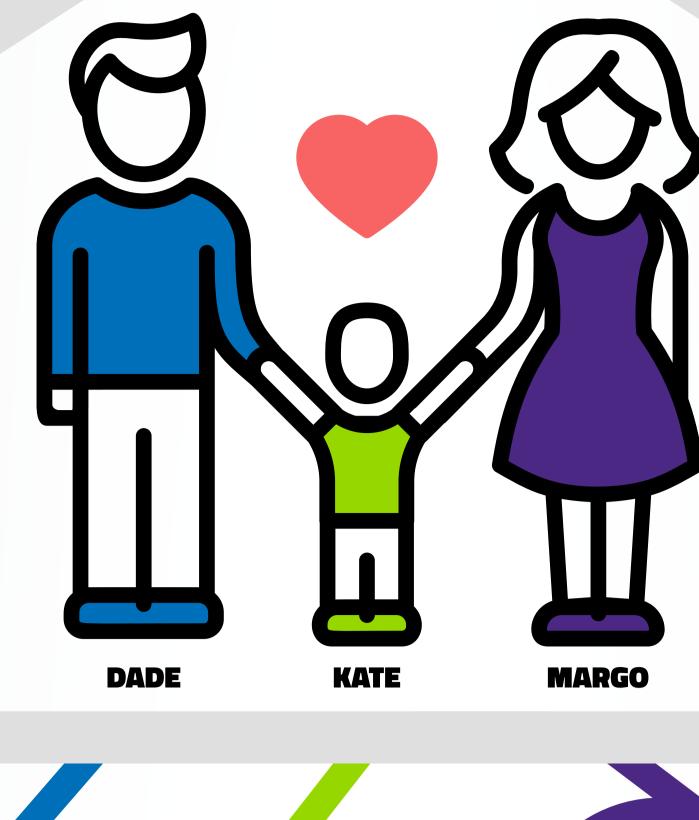
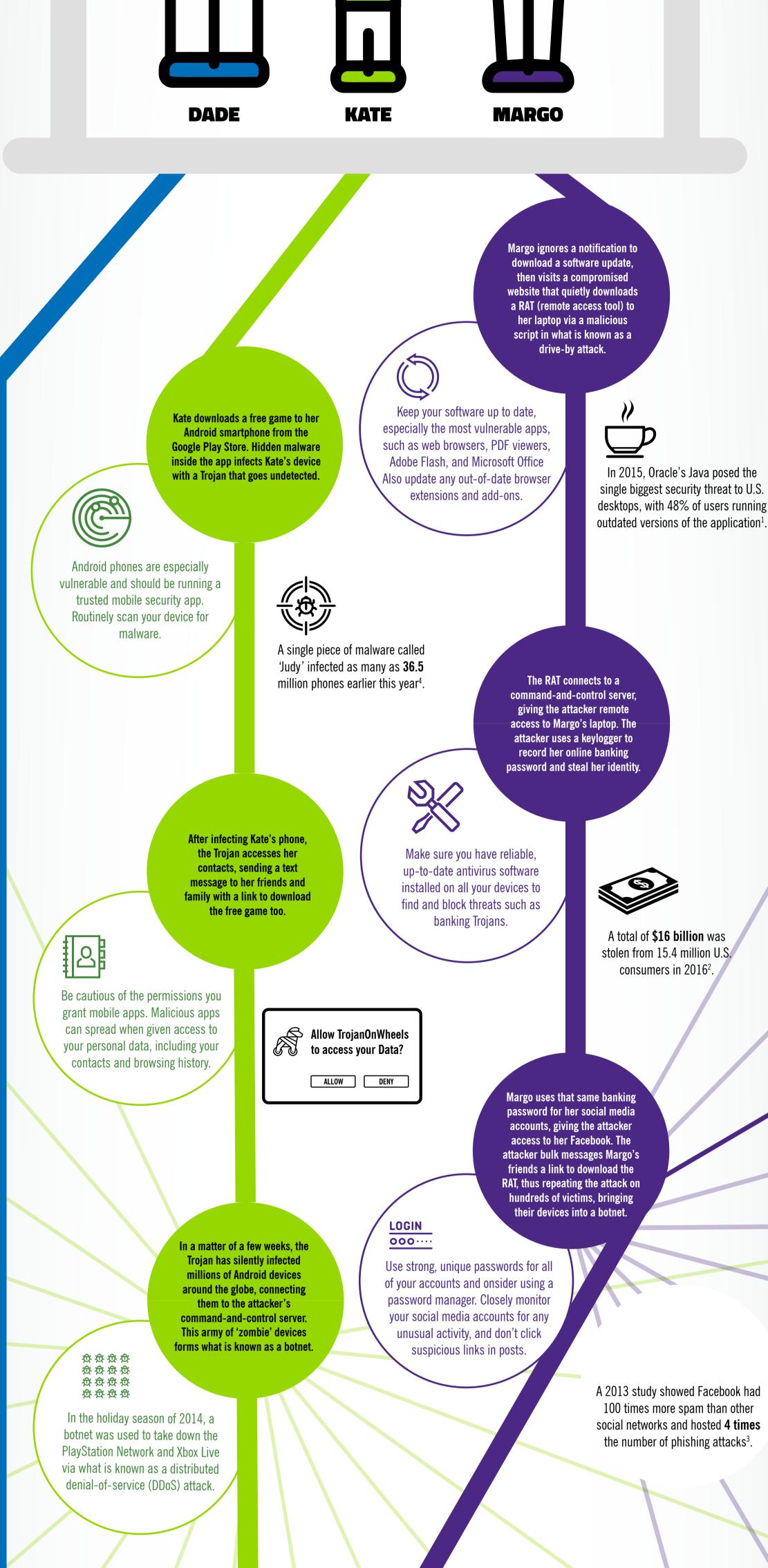
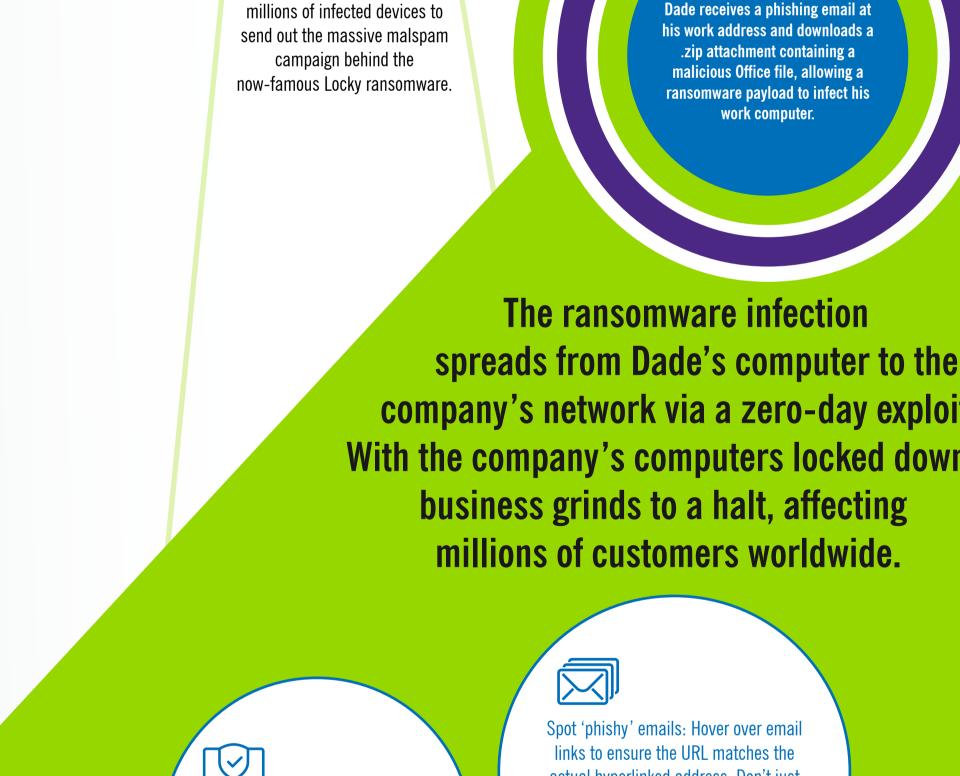
OREWRONG

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.







Businesses can thwart this type of attack by teaching their workforce how to identify phishing threats.

The botnet is used to carry out a large-scale phishing attack targeting employees at companies around the world, including Dade's employer, IntiTech, Inc.

In 2016, the Necurs botnet used



The ransomware infection

Dade receives a phishing email at

his work address and downloads a

.zip attachment containing a

malicious Office file, allowing a

ransomware payload to infect his work computer.



botnet.

is made.

The famous WannaCry ransomware

attack in 2017 used a Windows

exploit known as EternalBlue to quickly spread to networked computers in 150 countries.







As much as 93% of all phishing

emails contain encryption

ransomware⁵.

LEARN THE LIN 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 our different types of cyberattacks.

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

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

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

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. Java is the biggest vulnerability for US computers, by Maria Korolov. CSO Online, 1/26/2015

2017 Identity Fraud: Securing the Connected Life, by Al Pascual, Kyle Marchini, Sarah Miller. Javelin Strategy, 2/1/2017. STUDY: Facebook Has 100X More Spam Than Other Social Networks, 4X More Phishing Attacks, by David Chen. AdWeek, 10/1/2013. Android Malware 'Judy' Hits as Many as 36.5 Million Phones, by David Z. Morris. Fortune, 5/28/2017. 93% of phishing emails are now ransomware, by Maria Korolov. CSO Online, 6/1/2016.