RANSOMWARE: 3 SECONDS TO ENCRYPTION
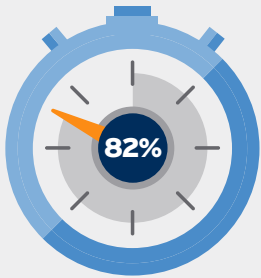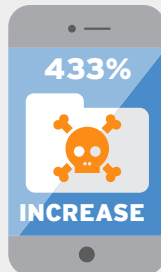
ARCTIC WOLF

SMBs AT RISK

70% More than 70% of attacks **target small business**
– National Cybersecurity Alliance

4 out 5 **victims don't know** they have been hacked for weeks
– Verizon Data Breach Investigations Report

82% Cyber attackers compromised 82% of victims **within minutes**
– Verizon Data Breach Investigations Report

433% INCREASE 433% **increase in ransomware** incident reports over the past year
– Arctic Wolf Research

RANSOMWARE IS ON PACE TO BE A
$1 BILLION
A YEAR CRIME –FBI

SMBs BREACHED SPENT AN AVERAGE OF
$879,582
DUE TO DAMAGE OR THEFT OF IT ASSETS
–Ponemon Institute

INFECTION TO ENCRYPTION IN 3 SECONDS

Ransomware unpacks and executes

Ransomware downloads encryption keys

YOUR FILES ARE ENCRYPTED

ENCRYPTION COMPLETED

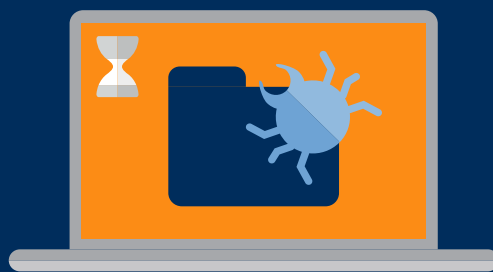| SECOND 0	SECOND 1.0	SECOND 1.5	SECOND 2.0	SECOND 2.5	SECOND 3.0	
User clicks on phishing email	User unknowingly downloads ransomware			Scans computer to identify all attached drives	File encryption begins	User gets ransom notification

5 WAYS TO PROTECT AGAINST RANSOMWARE

NETWORK SEGMENTATION
Put critical data on separate network segments and consider internal firewalls or physical separation

BACKUP AND RESTORE
Make sure you have a robust backup and process in place, test it to ensure you know how to use it and that the backup is working

EMPLOYEE TRAINING
Train employees so they know what to look out for, security best practices, and how to identify threats

STAY UP TO DATE
Being diligent in updating systems and software will help make the most of technology investments

MONITOR, DETECT, RESPOND.
Focus on threat detection, 24/7 monitoring and incident investigation and response to detect known and wunknown attacks