#### Pentera

**Automated Security Validation** 

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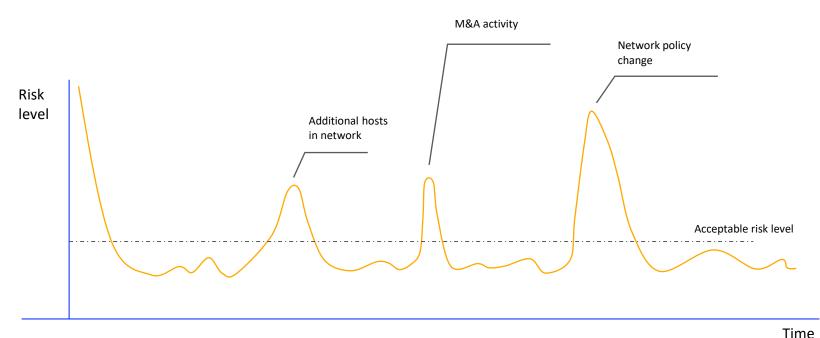
#### THE CHALLENGE

Enterprises need to *continuously* and *consistently* validate and act on their Cyber Security Risks



#### Inability to assure your security efficacy 24/7

The problem we solve



**PENTERA** 

## **OUR SOLUTION**

Pentera is the world's first

**Automated Security Validation Platform** 

Enabling organizations worldwide to constantly validate and improve their cybersecurity posture.



#### **Automated & Real**

2015 **FOUNDED** 

**TOTAL FUNDING** 









>350 **CUSTOMERS WW** 













#### **Our Customers**



CITY NATIONAL BANK AN RBC COMPANY











City of Vienna









































































Schellenberg Wittmer



















KESSLER TOM FORD





absa

**ZENITH BANK** 

SELUTION SMARTPETRAINC.



BRIDGE BANK GROUP

YOOX NET-A-PORTER

\*::Enterprise













SLAUGHTER AND MAY

CHILDREN'S INVESTMENT FUND

charterhouse CREEL APACIA-CONTROLAGE

orbia (



PINEWOOD SPIELBANKEN BAYERN



TBG SECURITY









GWINNETT COUNTY PUBLIC SCHOOLS







ATER







commlT



#### Trusted worldwide





>300 Customers



#### We are recognized as

Industry leader & top innovator

#### **CYBERSECURITY BREAKTHROUGH**

Pentera Earns 2019

**Enterprise Risk** 

Management

Software of the Year



FORTRESS

Pentera Named 2019 Red Herring **Top 100** Winner Award of **Cyber Security** 



#### **Gartner**

Pentera Named a Cool Vendor in Gartner's 2020 Cool

Vendor Publication





Pentera Received

**Value Leadership** 

Award for Global

Automated

Penetration

Testing



Pentera Wins 2019

Fortress Cyber Security

Award for **Best** 

Software &

2019 PRACTICES

**Application Threat** 

Detection



**CYBER DEFENSE** 

Pentera Outperformed All Other Vendors and

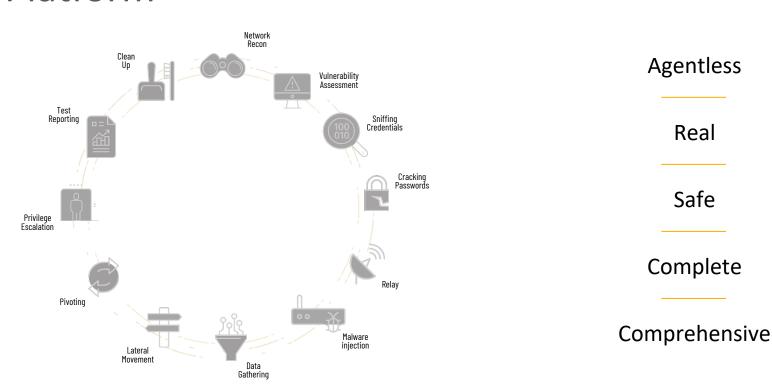
Awarded Next Gen

**Network Penetratio** 

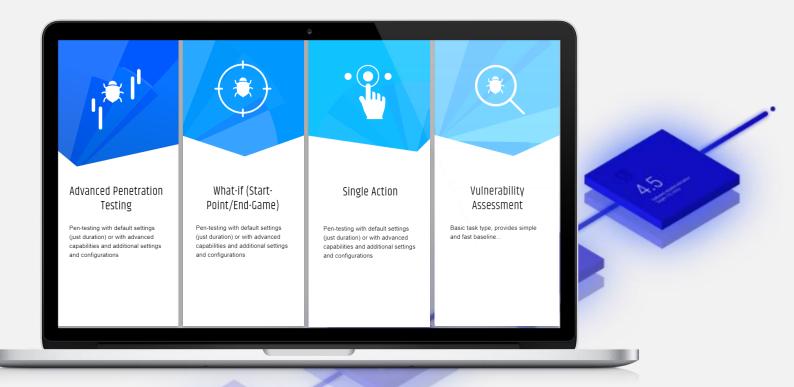
**Testing Tools** 



#### Pentera Automated Security Validation **Platform**

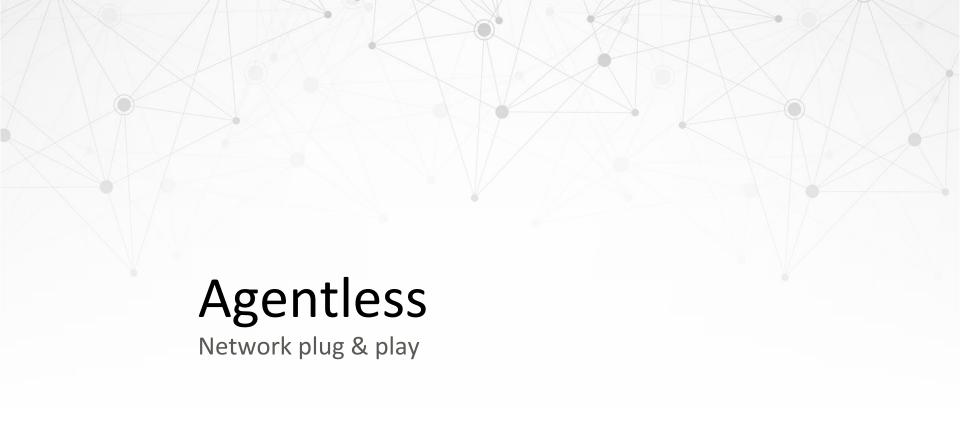


#### One Platform

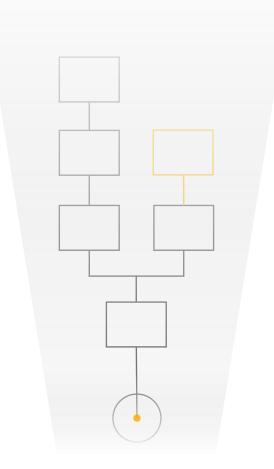












## No simulation. **Ethical exploits**

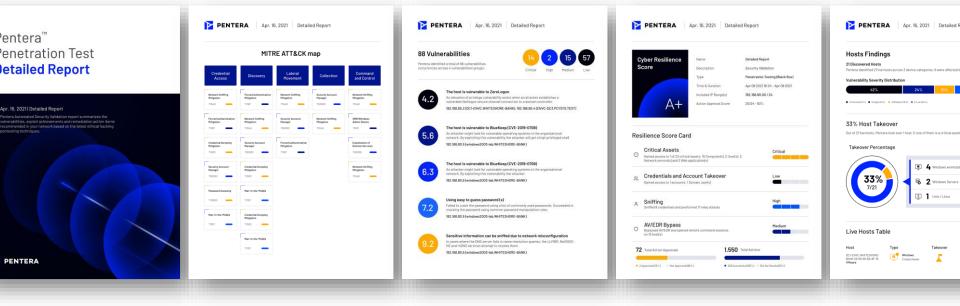
Measure attack readiness with minimum false positives



#### Safe & controlled security validation

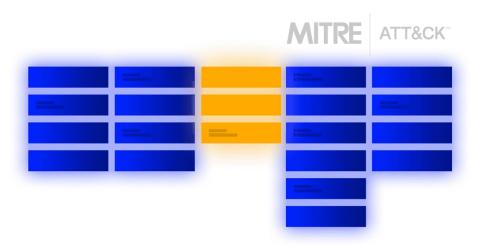
#Do-No-Harm





# Instant & actionable Report





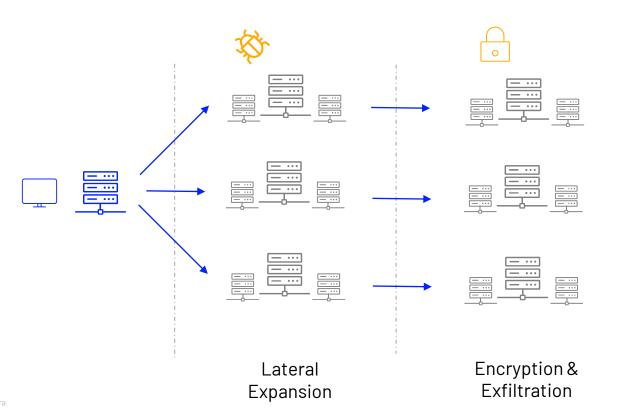
#### Attack for ATT&CK

Validate security control efficacy by using the

same tactics and techniques adversaries do



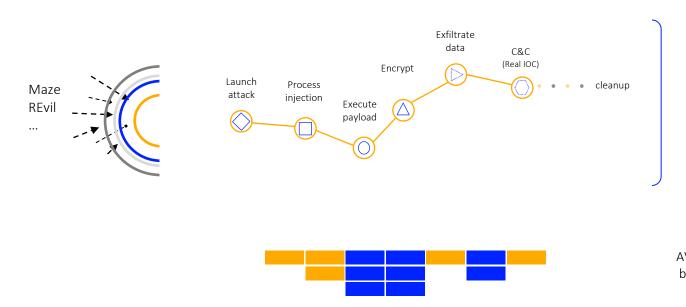
#### What does a Ransomware attack look like?

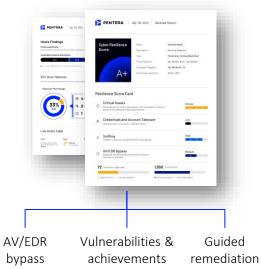




## Become RansomwareReady™

Automatic framework of ransomware emulation – safe by design





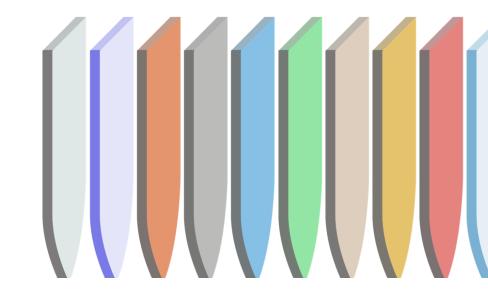
Alignment to MITRE ATT&CK framework



# 2010-2020

We are on a technology arms race

Stacking the security stack







Have we stopped to validate that investments made truly work?



## Ransomware is not going anywhere!

Prevention & detection as the only approach... is failing

#### \$20 Billion

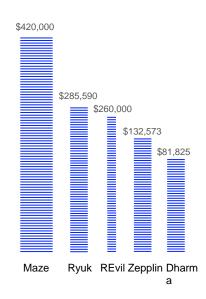
Projected ransomware damages costs to be paid in 2021

x2.5

Number of organizations impacted by ransomware (1H 2021 compared with 2020)

>50%

of all cyber insurance claims accounted for ransomware in 2020



#### How confident are you – with the question

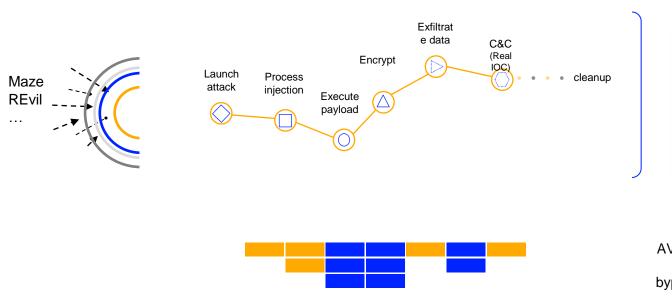
# Am I ready?

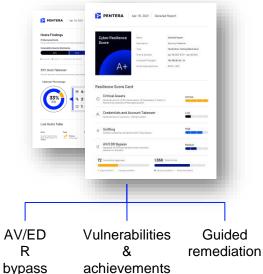
Unfortunately, assumptions are different from reality.



#### Become RansomwareReady™

Automatic framework of ransomware emulation – safe by design



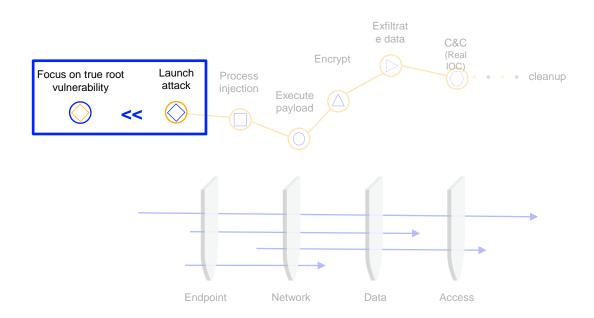


Alignment to MITRE ATT&CK framework



#### Become RansomwareReady™

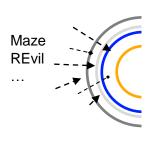
Pinpoint the root vulnerability

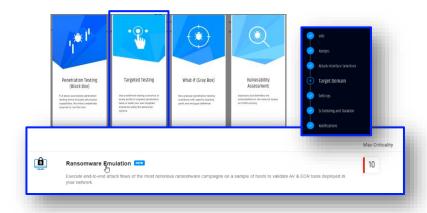




#### RansomwareReady Emulation

One-click exposure





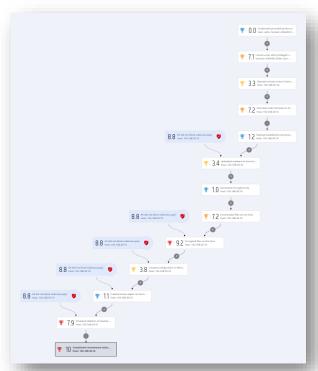
Agentle ss

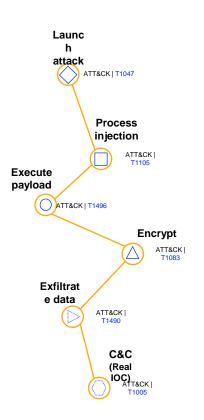
Real

Safe

#### RansomwareReady Emulation

Autonomous validation



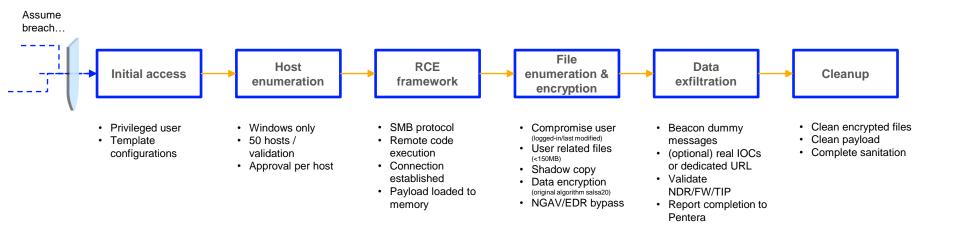


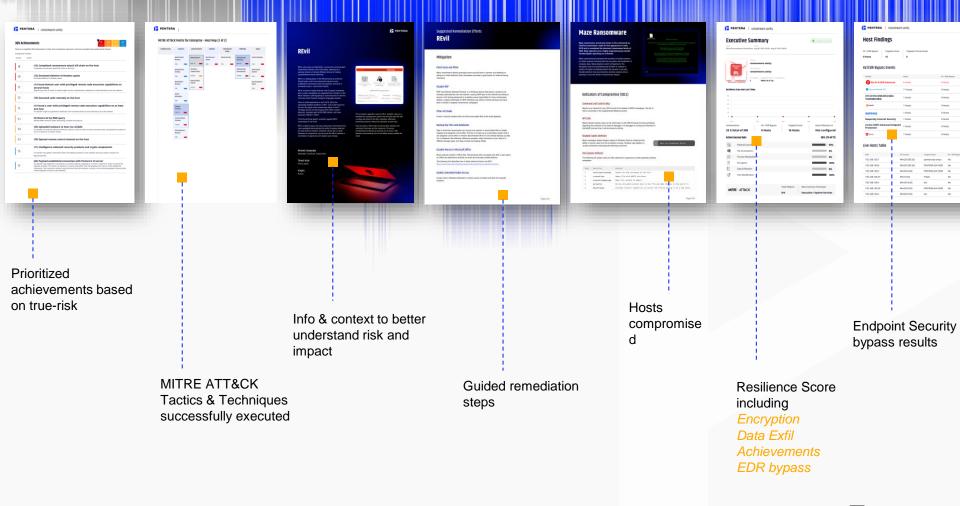
- End-to-end ransomware attack operation
- Complete alignment to the MITRE ATT&CK framework
- 'Salsa20' encryption algorithm
- Shadow copies access tested
- Safety controls
- Data exfiltration options
  - c2.ransomware-emulation.com
  - Known IOCs



#### Become RansomwareReady™

**Maze** emulation targeted testing - under the hood view







# Evaluate your organization's readiness today

#### Pentera Free Ransomware Readiness Assessment & (a lot) more

- Asset discovery
  - ✓ Workstation / server / network device
  - ✓ Windows / Linux
  - ✓ Azure cloud
- **Enumeration**
- Attack operation
  - ✓ Complete attack vector
  - ✓ No operational & system impact
  - ✓ Safe exploit
  - ✓ Safe approval
- **▼** Report

  - ✓ MITRE ATT&CK TTP mapping
  - ✓ Vulnerabilities & remediation priority
- Impact & remediation
  - ▼ Remediation guidance

- Business considerations
  - ✓ No false positives
  - ✓ Scalable
  - ☑ Do-no-harm / safety
  - ✓ Automated scheduling
  - ✓ Multi-segment / domain / site
- Penetration testing
  - ☑ Black box testing
  - ✓ Targeted scenario / Grey box testing
  - ✓ Prioritized achievements
- Security validation
  - ✓ Prevention / detection controls (EPP, EDR, SASE, NDR...)
  - ✓ Infrastructure policy (FW, Zero Trust)
  - Security configurations
  - ☑ Blue team / IR practice
  - ✓ Data hygiene

- Password management
  - ✓ Password strength assessment
  - ✓ Password policy
  - ✓ Password cracking
- Vulnerability management
  - Static vulnerability scanning
  - ✓ Vulnerability prioritization
- Ransomware Readiness
  - ✓ Controls validation
  - ✓ Data encryption
  - ☑ Data exfiltration
  - ☑ Ransomware risk & impact
  - ▼ Root vulnerabilities





# **THANK** YOU