Defending Desktop Applications:
Mitigating in the Dark

AppSec 2013

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THIS TALK

- An attack what is it
- Who and what is attacked
- How does the attack start
- What do people do in response
- ...
How To Attack .NET Applications

Tools and Methodology of Attacking

Overcome "secure" .NET Applications

Building KeyGen/Crack/Hacks/Malware

Reverse Enginerring for Protection
Licensing
630,000 users rely on Red Gate's software to deploy their databases, manage their data, and improve their code.

Check out our products
1630,000 users rely on Red Gate's software to deploy their databases, manage their data, and improve their code.

Check out our products
Who attacked
What did they do
How did they attack

How do we respond
What should be done
Who should be working on it
OWASP
The Open Web Application Security Project

HACKER OR ATTACKER
Who should have stopped this
What did they/we do wrong
How do we change

How do we move forward
What is critical for security
Who will implement security
Application hardening

Effective Risk Mitigation

Preventative

Technology
- Obfuscation
- Watermarking
- Linking & Pruning

Process
- IDE Integration
- Patch Mgmt

Control
- Tamper Alert
- Incident Mgmt
- Tamper defense
- Shelf life activation
- Opt-in logic

Detective
PROTECTION ON DISK

Obfu$ca7ed
Phone Home
Reg Check
API

Update
DB Call
Twitter

Secure USB Dongle
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