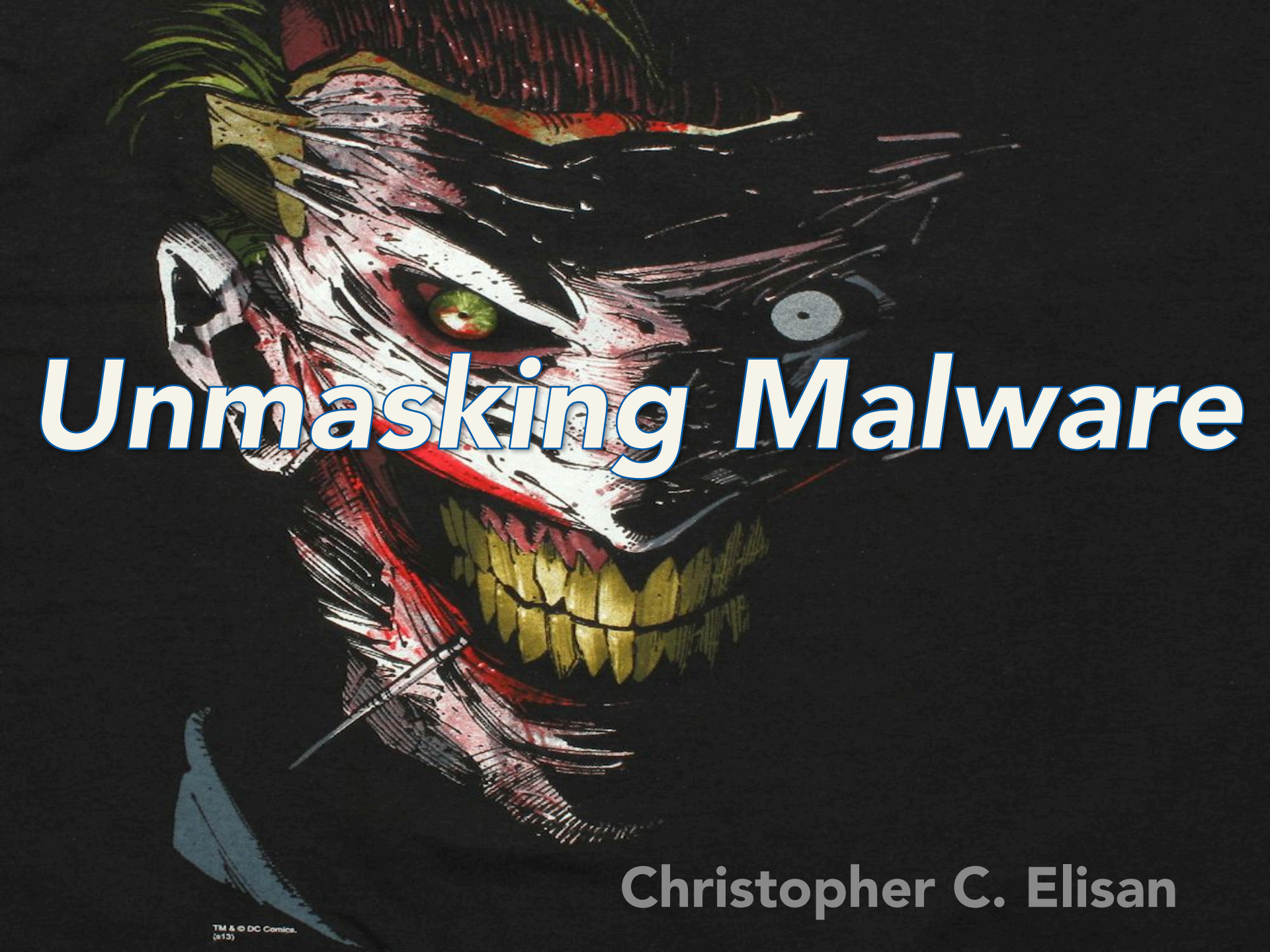
Unmasking Malware
Christopher C. Elisan
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(s13)

RSA FirstWatch

About Me

- Principal Malware Scientist / Sr. Manager MIT
- Past Adventures
  - Damballa
  - F-Secure
  - Trend Micro
- @Tophs

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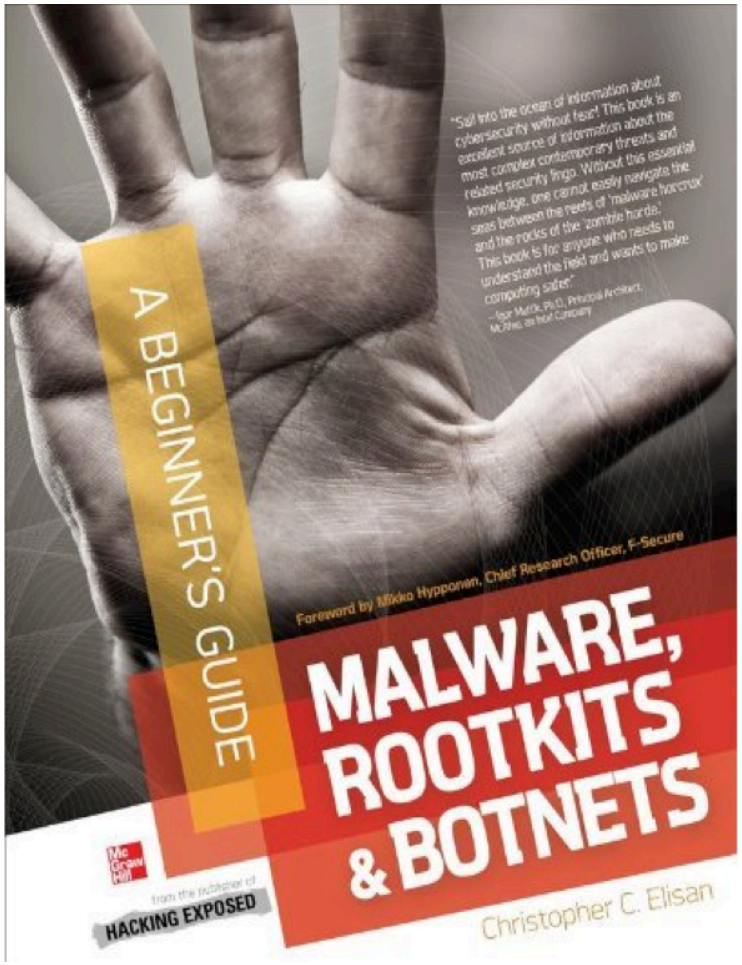
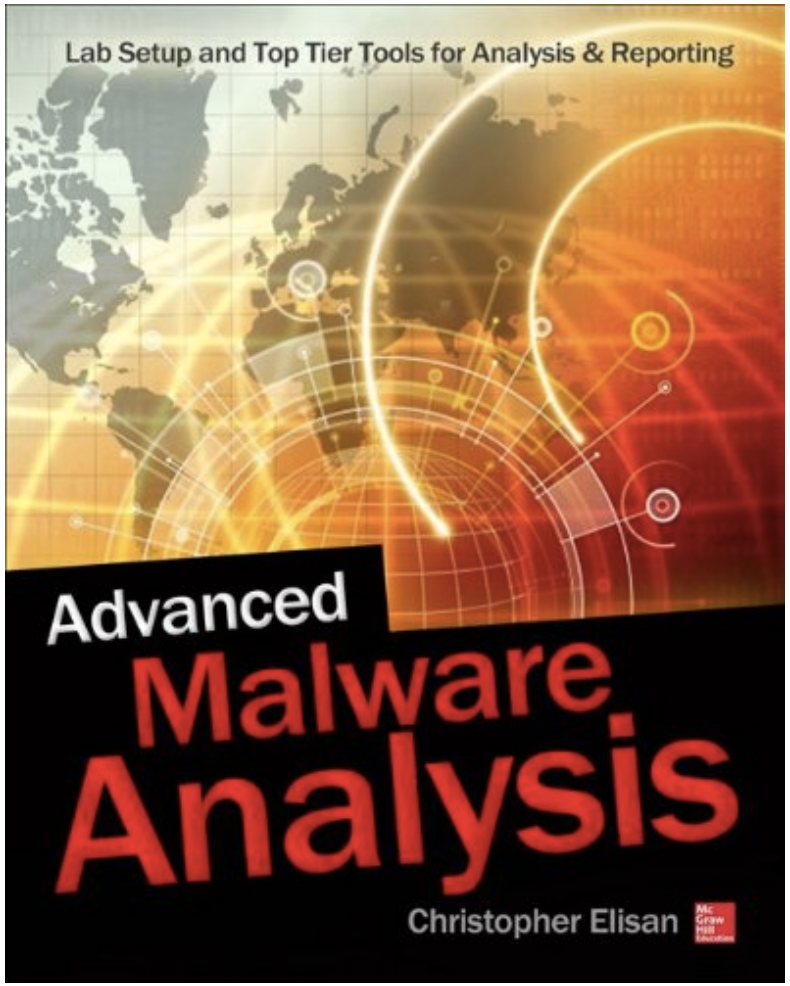
Author of





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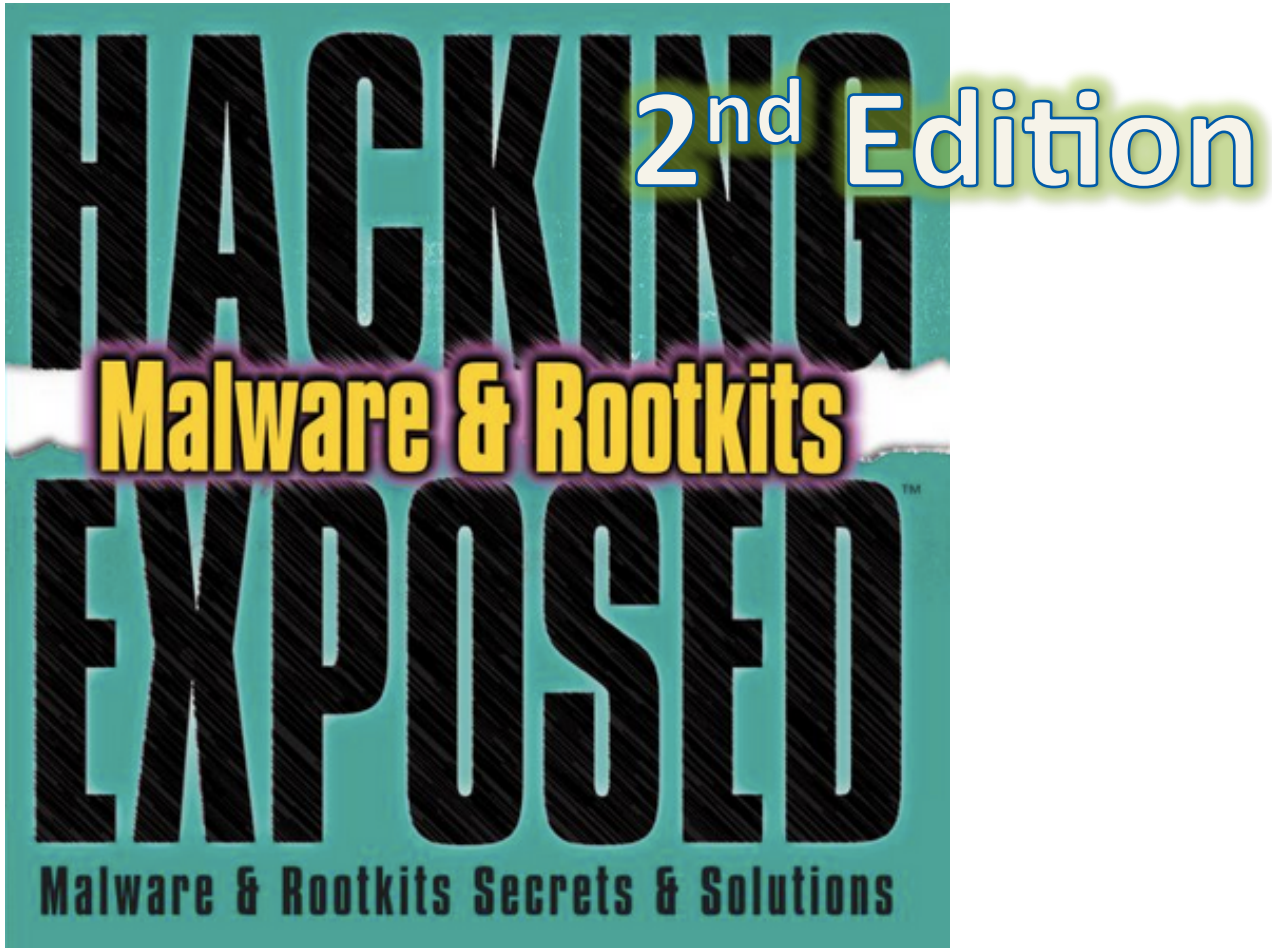

2016

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Let the Fun Stuff Begins…

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Agenda

- Different techniques to protect malware
- Automated malware masking
- Techniques on how to unmask malware

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Malware Masking Techniques

- Code Obfuscation
- Basic Encryption
- Metamorphism
- Polymorphism
- Packing (Size Reduction and Encryption)

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DEMO

Automated Malware Masking

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Unmasking Malware Techniques

- **Freely available tools**
- **Debugging**
- **Memory Capture**

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DEMO

Unmasking Malware

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THANK YOU!!!

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