Virus Analysis

Techniques, Tools, and Research Issues

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Tutorial Objectives

- # Provide background to initiate research in malware analysis.
- # Initiate discussions on a distributed, collaborative, university-based reverse-engineering team

What Will Be Discussed

- # Introduction to malware
- # Description of lab environment and tools
 - Setting up a secure environment
 - Static and dynamic analysis tools
- # Techniques for analyzing malware
- Hands-on analysis of Beagle.J
- # Research in virus analysis
 - Survey
 - Distributed virus analysis framework

