

Machine Learning and Malware Classification



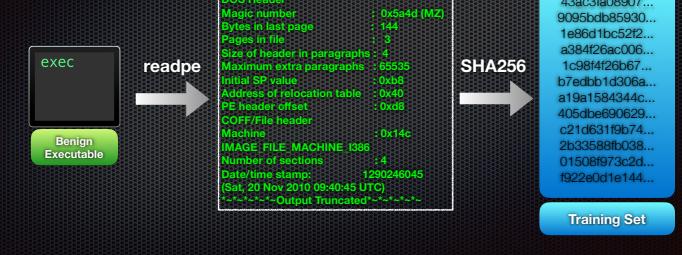
Observations so far...

- Static analysis should be preferred over dynamic analysis when dealing with large volume of malware
- Combinational approaches (blacklisting and whitelisting) should be preferred for effective malware classification
- Sophisticated malware that use encryption are very difficult to classify

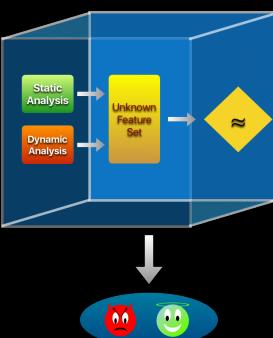
- **Advantages**
 - Highly Secure
 - Can Prevent Zero Day Attack
- **Disadvantages**
 - Need To Frequently Update The Training Set
 - Functional Inflexibility



Static Analysis (Cont.)



Classifier



Results

