

Towards Automated Detection of Peer-to-Peer Botnets: On the Limits of Local Approaches

M. Jelasity and V. Bilicky in 2nd USENIX Workshop on Large-Scale Exploits and Emergent Threats (LEET 09), 2009

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The Article provides an analysis of the automated local detection of structured peer-to-peer systems, which implement some techniques to hide their traffic, based on network simulations.

- ▶ Good to turn away from finding methods to detect currently used peer-to-peer systems.
 - ▶ The development in the area of peer-to-peer systems is very fast.
 - ▶ Methods might not work for future versions.

- ▶ Critical view on state of the art methods to detect peer-to-peer Botnets.
 - ▶ They present simple techniques peer-to-peer systems can implement to avoid detection.
 - ▶ Verification for their critical view on these methods.

- ▶ Claiming without a proof or substantiation very disputable statements about the routing complexity of a P2P system which is using a technique to avoid detection.
- ▶ The routing complexity is a very important property of P2P systems.
- ▶ When creating a new P2P system this has to be figured out.

- ▶ Simulation environments are very specific.
 - ▶ One fixed peer-to-peer system
 - ▶ One fixed network environment
- ▶ Based only on this simulations the following is stated as a fact:
 - ▶ Automated detection of peer-to-peer botnets "cannot be achieved by a local approach".

- ▶ What do you think? Is it more important to study current peer to peer systems or to look at systems that maybe come up in the future?