

# How antiviruses detect malware? 2 techniques

## 1. **Static Analysis**

- ➡ Scan program comparing it to a collection of signatures

How to bypass it ? encryption and code obfuscation

## 2. **Dynamic Analysis**

- ➡ Run program in a sandbox and infer from its behavior

How to bypass it? detect the sandbox environment and employ trigger based behaviors

# DIY packing - make the code undetectable yourself

## Pro

- ➡ Free
- ➡ Personalized

## Cons

- ➡ Time consuming
- ➡ Requires good expertise of cryptography, code obfuscation and execution environment