

Code in Binaries

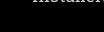








- Wrappers
- Installers





Code in Binaries

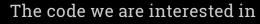








- Wrappers
- Installers







- scripts or intermediate language binaries need special environment to run in
- execution environment might not be installed on target system
- wrappers create a single executable from the script or IL binary that has everything to run it

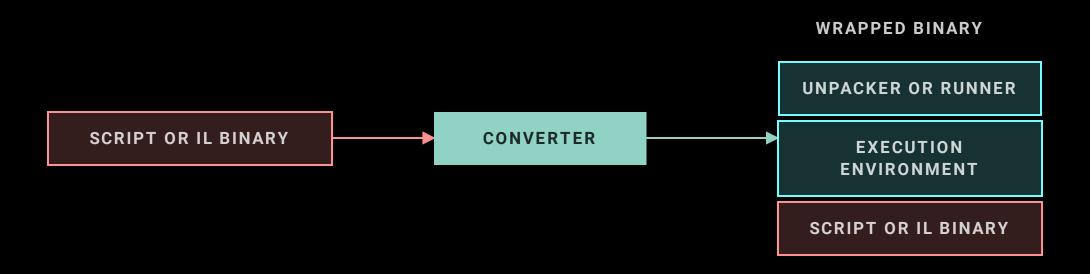


Wrapped files

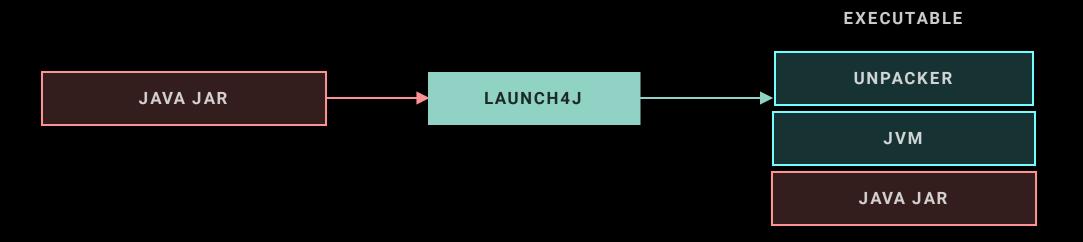


- often big executable and tied to one operating system
- but works on that operating system regardless of installed programs





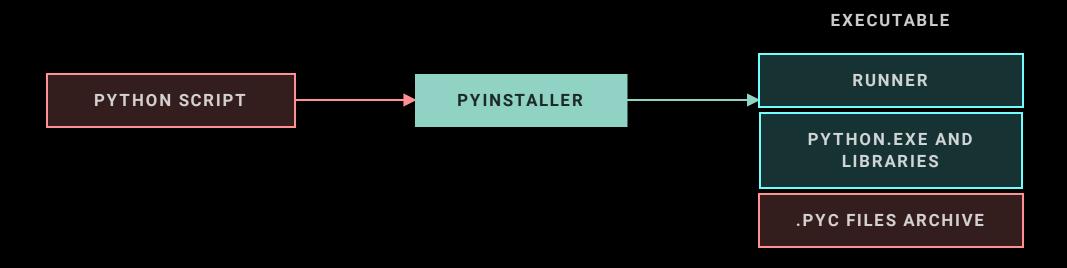














Obtaining the code from wrapped files

DYNAMICALLY

- often: unpacker drops everything into %TEMP%
- step 1: monitor file writing operations
- step 2: run executable
- step 3: copy the newly written files

STATICALLY - NOT ENCRYPTED

- search for embedded script or IL binary and extract with hex editor
- use magic numbers for IL binary search
- use strings.exe for script search

STATICALLY - ENCRYPTED

- identify wrapper with DiE
- search for extraction tool
- otherwise you need to analyze the unpacker for decryption procedure

