

GitHub - n1nj4sec/pupy: Pupy is an opensource, cross-platform (Windows, Linux, OSX, Android) C2 and post-exploitation framework written in python and C

By n1nj4sec

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Simple Installation

```
pip3 install pipx
pipx ensurepath
pipx install git+https://github.com/n1nj4sec/pupy@nextgen

pupysh
```

If you want more detailed information [Refer to the wiki](#)

Development Install

```
git clone https://github.com/n1nj4sec/pupy
cd pupy
git checkout nextgen
git submodule init
git submodule update

pip install venv
python3 -m venv pupyenv
source pupyenv/bin/activate
pip install -r requirements.txt
```

run pupysh from the dev install :

```
source pupyenv/bin/activate
python3 -m pupy.cli
```

Description

Pupy is a cross-platform, multi function C2 and post-exploitation tool mainly written in python. It features an all-in-memory execution guideline and leaves a very low footprint. Pupy can communicate using multiple transports, migrate into processes using reflective injection, and load remote python code, python packages and python C-extensions from memory.

Features

- Windows payload can load the entire Python interpreter from memory using a reflective DLL.
 - Pupy does not touch the disk.
- Can be packed into a single .py file and run without any dependencies other than the python standard library on all OSes.
 - PyCrypto gets replaced by pure Python AES & RSA implementations when unavailable.
- Reflectively migrate into other processes.
- Remotely import pure python packages (.py, .pyc) and compiled python C extensions (.pyd, .so) from memory.
 - Imported python modules do not touch the disk.
- Easily extensible, modules are simple to write and are sorted by os and category.
- Modules can directly access python objects on the remote client using [rpyc](#).
- Access remote objects interactively from the pupy shell and get auto-completion of remote attributes.
- Communication transports are modular and stackable. Exfiltrate data using HTTP over HTTP over AES over XOR, or any combination of the available transports.
- Communicate using obfsproxy [pluggable transports](#).
- Execute noninteractive commands on multiple hosts at once.
- Commands and scripts running on remote hosts are interruptible.
- Auto-completion for commands and arguments.
- Custom config can be defined: command aliases, modules. automatically run at connection, etc.
- Open interactive python shells with auto-completion on the all-in-memory remote python interpreter.
- Interactive shells (cmd.exe, /bin/bash, etc) can be opened remotely.
 - Remote shells on Unix & Windows clients have a real tty with all keyboard signals working just like an SSH shell.
- Execute PE executable remotely and from memory.

- Generate payloads in various formats:

Format	Architecture	Short Name
~~ Android Package ~~	x86 & ARMv7	apk
Linux Binary	x86	lin_x86
Linux Binary	x64	lin_x64
Linux Shared Object	x86	so_x86
Linux Shared Object	x64	so_x64
Windows PE Executable	x86	exe_x86
Windows PE Executable	x64	exe_x64
Windows DLL	x86	dll_x86
Windows DLL	x64	dll_x64
Python Script	x86 & x64	py
Python Oneliner	x86 & x64	py_oneliner
Powershell	x86 & x64	ps1
Powershell Oneliner	x86 & x64	ps1_oneliner

- Deploy in memory from a single command line using python or powershell one-liners.
- Embed "scriptlets" in generated payloads to perform some tasks "offline" without needing network connectivity (ex: start keylogger, add persistence, execute custom python script, check_vm, etc.)
- Multiple Target Platforms:

Platform	Support Status
Windows XP	~~ Supported ~~ python dropped support
Windows 7	~~ Supported ~~ python dropped support
Windows 8	Supported
Windows 10	Supported
Linux	Supported
Mac OSX	Limited Support

Platform	Support Status
Android	Limited Support

Documentation

All documentation can be found on the wiki.

[Refer to the wiki](#)

FAQ

Does the server work on windows?

Pupy has not been tested on Windows. Theoretically, it should work on any platform that supports Docker and Docker Compose. However, you will need to adapt the Docker Compose installation instructions for the Windows platform.

I can't install Pupy. The installation fails.

1. Please refer to the wiki. It is possible that your answer is there.
2. Search the Github issues and see if your issue was already solved.
3. If your issue was not solved, open a new issue following the [issue guidelines](#).

If you do not follow these steps, your issue will be closed.

Android and/or Mac OSX payloads and modules don't work.

Pupy has *limited* support for Android and OSX. These platforms may not be well maintained and may break intermittently. Some modules (i.e. keylogger) may be missing for these platforms.

Development

If some of you want to participate to pupy development, don't hesitate! All help is greatly appreciated and all pull requests will be reviewed.

Also there is small [note](#) about development. Please run flake8 before doing any commits. File with config is [here](#).

Contact

Platform	Contact Info
Email	contact@n1nj4.eu
Twitter	https://twitter.com/n1nj4sec

This project is a [personal development](#), please respect its philosophy and don't use it for evil purposes!

Special thanks

Special thanks to all contributors & supporters that help improve pupy and make it a better tool! :)

Source: <https://github.com/n1nj4sec/pupy>