SecurityTube Python Scripting Expert (SPSE)

http://www.securitytube.net

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Module 8: Further Study and Projects

SecurityTube Python Scripting Expert

Where do we go from here?

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Mantra to be a Good Programmer

- Code! Code and more Code!

- Read and learn from other people's code

- Rip apart interesting open source tools in Python

New Packages

- Python.org is a definitive resource

- Keep visiting sites like SourceForge, Github for Python projects

- Any new tool release –check if Python code
  - rip it apart and add functionality
  - do not re-invent the wheel

SPSE Projects

- **To Code is to Create**

- Choose an idea based on the different domains we have covered

- Create a project in Github

- Try and Push your Limits and choose something BIG! ☺

- Complete and post project link to the student forums

Project Idea #1

- Create a Bot which can use Twitter as C&C

- It will scan the public tweets using a #tag and a command will be inserted in the Tweet

- e.g. Tweet

#exec129834   ipconfig –a

The bot will now execute "ipconfig –a" and paste the results in Pastebin

Project Idea #2

- Create a automated Email Parser – when email is received in your account, this script will automatically be triggered, it will then separate the attachments, store them in a directly and upload them to online virus scan sites.

- It will then forward the email to you if the online scans give a green signal!!

Project Idea #3

- Code a program which can read an EXE and dump interesting information such as import/exports, disassembly, strings etc.

- Basically a powerful Level 1 binary analysis tool before you put the EXE into a debugger

Conclusion

- Start thinking out of the box

- Try and automate any task you do repeatedly

- Get into the habit of coding quick PoCs for fun and professional use

- Code! Code! Code!