

Python Scripting 1



FIRST STEPS IN SCRIPTING

As digital forensic examiners expand their knowledge and understanding of forensic artefacts within PCs, mobile phones and other devices, so they repeatedly encounter key evidence which is not appropriately reported by commercial forensic tools. Python is a free programming language which is ideally suited to the field of digital forensics. It provides forensic examiners with the ability to write short scripts to automate manual data and file manipulation tasks, thus reducing the amount of time spent in presenting and reporting the valuable data that they have recovered.



however delegates must have previous experience of working with raw (hex) data and be confident navigating such data within a hex editor.

As such, delegates should have previously attended the Control-F Demystifying Hex Data training course (or equivalent).

What you will learn

By the end of the course, delegates will be able to:

- Write short Python scripts to open and process files of evidential interest
- Write short Python scripts to recover thumbnail images from binary input files
- Write short Python scripts to recover evidence from SQLite databases
- Write short Python scripts to produce text and comma separated value (CSV) output

“ COURSE WAS FANTASTIC,
BOTH TRAINERS EXTREMELY HELPFUL
AND INFORMATIVE.
WOULD 100% RECOMMEND
TO WORK COLLEAGUES. ”

Course Aims

Trying to teach oneself a programming language from a book or Internet resources is a timeconsuming and often frustrating experience. This is especially true in the case of digital forensics practitioners whose needs are very specific, meaning that large parts of a language such as Python aren't relevant. 'Python Scripting 1' is a 3 day course designed to teach delegates how to start writing simple scripts in Python with a strong emphasis on those aspects which are relevant to digital forensics.

Who should attend?

The course assumes no prior knowledge of Python or any previous programming experience;

Why Control-F?

Kevin Mansell, managing director of Control-F and designer of this course, started programming in BASIC on a ZX Spectrum in 1983. Since then he has programmed in FORTRAN, C, Visual Basic and a variety of scripting languages. Control-F has been delivering vendor-neutral mobile forensics training since 2007 and has trained in excess of 1,600 delegates in that time.

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