Basic layout of PE

* [A Comprehensive Guide To PE Structure, The Layman's Way (tech-zealots.com)](https://tech-zealots.com/malware-analysis/pe-portable-executable-structure-malware-analysis-part-2/)
* [Malware researcher’s handbook (demystifying PE file) - Infosec Resources (infosecinstitute.com)](https://resources.infosecinstitute.com/topic/2-malware-researchers-handbook-demystifying-pe-file/)
* <https://msdn.microsoft.com/en-us/library/ms809762.aspx>

Modifying PE files

* <https://whereisr0da.github.io/blog/posts/2020-10-21-inject-code/>
* <https://attack.mitre.org/techniques/T1055/002/>
* <https://dzone.com/articles/windows-api-hooking-and-dll-injection>
* <https://www.codeproject.com/Articles/20240/The-Beginners-Guide-to-Codecaves>

Related Papers

* [Static and Dynamic Malware Analysis Using Machine Learning | IEEE Conference Publication | IEEE Xplore](https://ieeexplore.ieee.org/document/8667136)
* [Applying NLP techniques to malware detection in a practical environment | SpringerLink](https://link.springer.com/article/10.1007/s10207-021-00553-8#Sec24)

Tools

* CFF explorer
* PE detective
* Explorer Suite

Videos

* [Malware Theory - Basic Structure of PE Files](https://www.youtube.com/watch?v=l6GjU8fm8sM)
* [Malware Theory - Portable Executable Resources](https://www.youtube.com/watch?v=3PcgwKffytI)
* [Malware Theory - Memory Mapping of PE Files](https://www.youtube.com/watch?v=cc1tX1t_bLg)
* [Malware Theory - PE Malformations and Anomalies](https://www.youtube.com/watch?v=-0DEEbQq8jU)
* [04 - Intro to PE File Format](https://www.youtube.com/watch?v=3fzSUMlxVz0)
* [Malware Analysis Bootcamp - Analyzing The PE Header](https://www.youtube.com/watch?v=z0e306Jod5A&t=1s)
* [CppCon 2017: James McNellis “Everything You Ever Wanted to Know about DLLs”](https://www.youtube.com/watch?v=JPQWQfDhICA)

Books

* Mastering Malware Analysis - Alexey Kleymenov, Amr Thabet. - Chapter 2