

# DFSC1316: Digital Forensic and Information Assurance I

## Assignment 2 (Due Tue, 11/3/2017 23:59:99)

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### Rules:

1. All your answers will be typed unless otherwise being advised.
  2. Submit your assignment in PDF version (Office word can be directly saved as PDF, or you can use virtual PDF printer to 'print' it as pdf).
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1. (50 pts) File system is the system that operating system uses to manage and operate files stored on the storage device. Different operating systems, e.g., Mac, Windows, and Linux, use different file systems. During the class, we mentioned some name of typical file systems used on different operating systems, however, details of these file systems were not given.

Do some search and research online, compare at least two file system on two different operating systems. Explain the major differences, the advantages as well as drawbacks. Your grade will be based on the detail and reasoning of your answer.

2. (50 pts) Different from conventional hard drive, the Solid State Drive (SSD) stores and manages data in a different way, which creates new challenges to digital forensics. Do some search online, and explain how SSD differs from conventional hard drive, and how these differences affect digital forensics investigation.

Note: there are some easy search results online, do not copy and paste. You are supposed to read some articles, and create your own thoughts. You won't get any credit if your answer is a direct copy, or slight change, from online resources.