

**Computer Security**

**Tutorial 8**

**Part 1:**

For what are the following components of the Windows security architecture responsible?

* SAM
* SRM
* Security descriptors
* Tokens
* EFS

**Part 2:**

Research and define the following models of security.

* Bell-LaPadula
* Biba
* Clark-Wilson

**Part 3:**

Open source operating systems such as Linux are more secure than closed source (commercial) systems such as Windows 8. This is a great exam question. What is your view on this issue? Do you agree or disagree? Do some research on arguments for and against the statement.

**Part 4: Advanced Question**

Describe a good solution to the problem of having a group of students collaborate on a software construction project using the directory of one of the group members in such a way that it would be difficult for non-members to discover and would not require the help from a system administrator, assuming that the only access rights the group leader can modify are those for \everyone."

You may assume that access rights for directories are \read,"\write," and \exec," where \read" means the files and subdirectories in that directory can be listed, \write" means members of that directory can be inserted, deleted, or renamed, and \exec" on a directory or subdirectory means the user can change his location to that directory or subdirectory so long as he specifies its exact name.