

[4] Describe the Bell-LaPadula security ~~prop~~ policy.

[6 marks]

[2] Describe the Chinese Wall security policy.

[6 marks]

To what extent is the Chinese Wall policy an extension of Bell-LaPadula?

[6 marks]

Are either of these policies relevant to digital rights management?

[2 marks]

Answer

The first two parts are bookwork; see, for example, 'Security Engineering' chapters 7 + 8.

The third is also bookwork; for full marks, I'd expect a formal statement involving the modifications to the simple security property and the $*$ -property.

The final part can be answered simply by the remark that treating protected content at high under BLP is sufficient; one does not usually encounter publishing policies along the lines of 'you can buy a copy of book X only provided you've never read a copy of book Y'.