Permanent address and a care-of address essay sample

What is the difference between a permanent address and a care-of address? Who assigns a care-of address? A permanent address for a mobile node is its IP address when it is at its home network. A care-of-address is the one its gets when it is visiting a foreign network. The COA is assigned by the foreign agent (which can be the edge router in the foreign network or the mobile node itself). R1. What are the differences between message confidentiality and message integrity? Can you have confidentiality without integrity? Can you have integrity without confidentiality? Justify your answer. Message confidentiality means that the message being sent is only known by the sender and the recipient. This differs from message integrity, which means that a message is not tampered with and that the sender and recipient are exactly who they say they are.

I believe you can have integrity without confidentiality because your message to each other could be public and yet you could authenticate the sender and recipient. R3. From a service perspective, what is an important difference between a symmetric-key system and a public-key system? In symmetric key systems, the keys of receiver and sender are identical and are secret. In public key systems, a pair of keys is used. One of the keys is known to both receiver and sender, or in other word, to the whole world, while the other key is known only by sender. That's the major difference between the two systems.

R29. Stateful packet filters maintain two data structures. Name them and briefly describe what they do. Stateful and Stateless IP .. There are several advantages to using a static IP filter. It has a combination of low overhead and high throughput. Stateless IP filters are very inexpensive, and many are

free. They are included with router configuration software or are included with most Open Source operating systems. Being that a static IP filter does little more than simply route traffic, it is very good for traffic management.