

SYSC 4602 Assignment 6

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Part 3: ARP request and reply

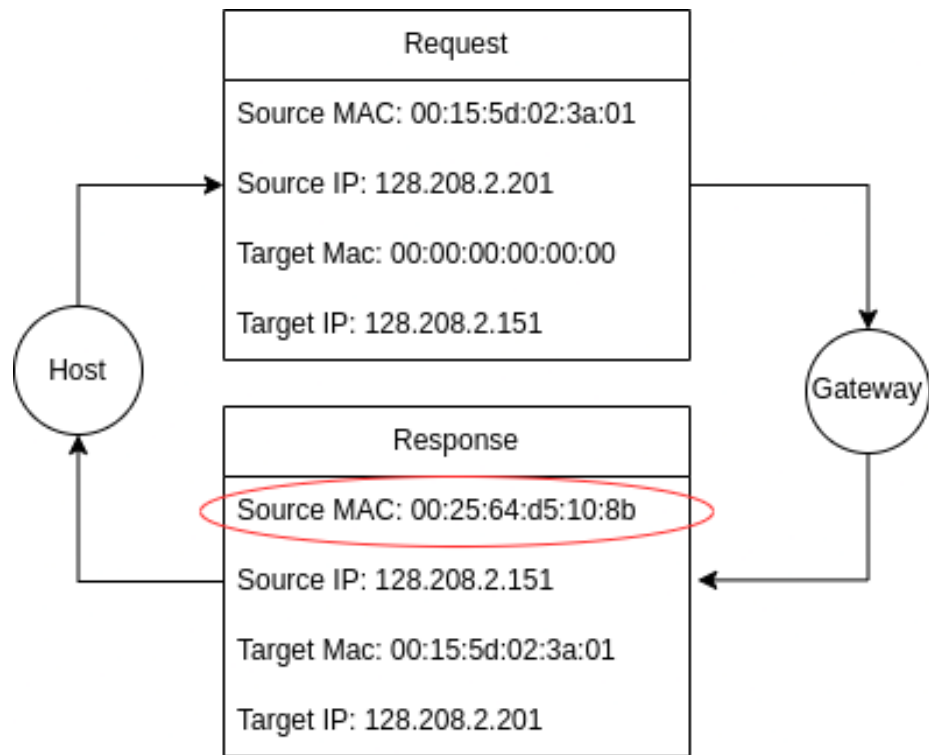


Figure 1: ARP exchange

Part 4: Details of ARP over Ethernet

1. The opcode used to indicate a request is 1, and to indicate a reply is 2
2. The ARP header size for a request is 28 bytes, and a reply is also 28 bytes
3. The unknown MAC is listed as 00:00:00:00:00:00
4. The value that indicates ARP layer in ethernet is 0x0806
5. The reply is not broadcast, and is instead sent directly back to the sender of the request. This is shown in the trace