



1. Given below is part of the output screen after executing “inconfig/all” command.

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Ethernet adapter Local Area Connection:

Connection-specific DNS Suffix . . . . . : 
Description . . . . . : Broadcom NetXtreme 57xx Gigabit Controller

Physical Address. . . . . : 00-23-AE-0C-2B-45
DHCP Enabled. . . . . : No
Autoconfiguration Enabled . . . . . : Yes
Link-local IPv6 Address . . . . . : fe80::55e6:4ebe:221c:9c6%10(Preferred)
IPv4 Address. . . . . : 172.20.31.2(Preferred)
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . : 172.20.31.254
DHCPv6 IAID . . . . . : 234890158
DHCPv6 Client DUID. . . . . : 00-01-00-01-15-E6-E7-D5-00-23-AE-0C-2B-45

DNS Servers . . . . . : 172.20.100.100
                       172.20.100.101
NetBIOS over Tcpip. . . . . : Enabled
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Consider the above to answer the questions given below.

- 1.) Write down the MAC address.
- 2.) What is the logical address?
- 3.) What is the function of the DNS server?