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**SP23-BSE-045**

## Question 1

**What is the destination port for the DNS query message? What is the source port of DNS response message?**

**SRC PORT:** 60913

**DST PORT:** 53

## Question 2

**To what IP address is the DNS query message sent? Is this the IP address of your default local DNS server?**

**DNS Servers** . . . . . : 172.20.10.15

**SRC:** 172.20.43.51

**DNS:** 172.20.10.15

Yes both are same so the ip address is of local default DNS server

## Question 3

**Examine the DNS query message. What “Type” of DNS query is it? Does the query message contain any “answers”?**

```
0... .. = Response: Message is a query
.000 0... .. = Opcode: Standard query (0)
... ..0. .... = Truncated: Message is not truncated
... ..1 .... = Recursion desired: Do query recursively
... ..0... .. = Z: reserved (0)
... ..0 .... = Non-authenticated data: Unacceptable
Questions: 1
Answer RRs: 0
Authority RRs: 0
Additional RRs: 0
▼ Queries
  ▼ disc801.prod.do.dsp.mp.microsoft.com: type A, class IN
    Name: disc801.prod.do.dsp.mp.microsoft.com
    [Name Length: 36]
    [Label Count: 7]
    Type: A (1) (Host Address)
    Class: IN (0x0001)
  [Response In: 97]
```

Answer is 0 and type is A

## Question 4

Examine the DNS response message. How many “answers” are provided? What do each of these answers contain?

```
... ..1... .. = Recursion available: Server can do recursive queries
... ..0... .. = Z: reserved (0)
... ..0. .... = Answer authenticated: Answer/authority portion was not auther
... ..0 .... = Non-authenticated data: Unacceptable
... ..0000 = Reply code: No error (0)
Questions: 1
Answer RRs: 3
Authority RRs: 0
Additional RRs: 0
▼ Queries
  ▼ disc801.prod.do.dsp.mp.microsoft.com: type A, class IN
    Name: disc801.prod.do.dsp.mp.microsoft.com
    [Name Length: 36]
    [Label Count: 7]
    Type: A (1) (Host Address)
    Class: IN (0x0001)
  > Answers
    [Unsolicited: True]
```

