

# DNS

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Identification																QR	Opcode				AA	TC	RD	RA	Z	RCODE					
0				1				2				3																			
QDCOUNT																ANCOUNT															
4				5				6				7																			
NSCOUNT																ARCOUNT															
8				9				10				11																			
Question Section																Answer Section															
12				13				14				15																			
Authority Section																Additional Information Section															
16				17				18				19																			

## DNS Parameters

### Query / Response

0	Query
1	Response

### Opcode

0	Standard Query (QUERY)
1	Inverse Query (IQUERY)
2	Server Status Request (STATUS)

<b>AA</b>	1 = Authoritative Answer
<b>TC</b>	1 = TrunCation
<b>RD</b>	1 = Recursion Desired
<b>RA</b>	1 = Recursion Available
<b>Z</b>	Reserved; set to 0 (The DNS Evil bit)

### Response Code

0	No error
1	Format error
2	Server failure
3	Non-existent domain (NXDOMAIN)
4	Query type not implemented
5	Query refused

<b>QDCOUNT</b>	No. of entries in the Question Section
<b>ANCOUNT</b>	No. of resource records in Answer Section
<b>NSCOUNT</b>	No. of name server resource records in Authority Section
<b>ARCOUNT</b>	No. of resource records in Additional Information Section.