**DHCP Lease time Calculation**

Suppose the DHCP server has offered two Ip addresses (140.20.0.7/24, lease time - 1 hr 12 min), (140.20.0.10/24, lease time - 1 hr 16 min).

The Client picks up the 2nd Ip address. Afterwards the client asks for extra lease time of 15 minutes, what is the new timer of RENEWING and REBINDING states?

**Answer:**

2nd Ip: 140.20.0.10/24, LT- 1 hr 16 min

Time in BOUND state: 60+16 = 76 min

Time in RENEWING state: 76/2= 38 min

If 15 minutes time is extended: 38 + 15 = 53 min

Time in REBINDING state: 76 - (76\*87.5/100)=9.50 min

If 15 minutes time is extended: 9.50 + 15 = 24.50 min

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**For omitting point:**

**76 – ( 76 \* 875/1000 )**

**= 9.50**

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