

* if we dont have a proper default gateway config on pc still we can ping to the dGW router

- so make sure to check the default GW

Ping

Works on ICMP

ICMP two types

① ICMP Echo request

type 8

code 0

② ICMP Echo reply

Type 0

code 0

③ unreachable Type-3 code-3

C ICMP Echo Request: 8 → Sr

←
ICMP echo reply: 0

- Extended Ping

Ping command from privilege mode

We need it to check the resources for example if we want to ping to PC we can ping it but if the default gateway is wrong that ping will still work. Because we are

pinging from inside the same network in that case we will need to ping from outside of the ping to do that we need extended ping command.

To do that go to privilege mode

ping that's it & enter the necessary info

Scenario - 2

* if we are not able to connect to the specific device we can always connect to directly connected device of that device and then telnet from there