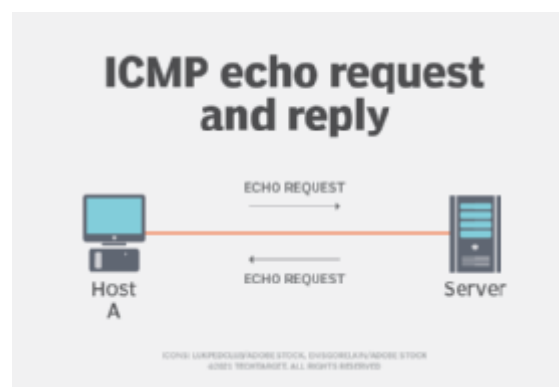# Permitir o retorno do tráfego ICMP através do firewall

O icmp significa **Internet Control Message Protocol**

Basicamente o ping funciona com o icmp, por padrão o firewall vem com o icmp desabilitado, então caso você der um ping no firewall, não funcionará

Aqui eu habilito o icmp para qualquer interface

```
HQASA(config)# icmp permit any ?

configure mode commands/options:
  <0-255>           Enter ICMP type number (0 - 255)
  echo
  echo-reply
  time-exceeded
  unreachable
Current available interface(s):
  branch            Name of interface GigabitEthernet0/0
  dmz               Name of interface GigabitEthernet0/2
  inside            Name of interface GigabitEthernet0/1
  outside           Name of interface GigabitEthernet0/3
HQASA(config)# icmp permit any dmz
HQASA(config)# icmp permit any bran
HQASA(config)# icmp permit any branch
HQASA(config)# icmp permit any inse
HQASA(config)# icmp permit any insi
HQASA(config)# icmp permit any inside
HQASA(config)# icmp permit any outs
```

Também permiti o echo-reply ← o echo-reply e a resposta do ping

```
HQASA(config)# icmp permit any echo-reply any
                                             ^
ERROR: % Invalid Hostname
HQASA(config)# icmp permit any echo-reply bran
HQASA(config)# icmp permit any echo-reply branch
HQASA(config)# icmp permit any echo-reply dm
HQASA(config)# icmp permit any echo-reply dmz
HQASA(config)# icmp permit any echo-reply ins
HQASA(config)# icmp permit any echo-reply inside
HQASA(config)# icmp permit any echo-reply out
HQASA(config)# icmp permit any echo-reply outside
HQASA(config)#
```