

PFsense too slow NAT connection problem Fixed !

Symptoms:

- Ping works with no problem, from LAN to LAN, from WAN to WAN and any cross-subnet combination with the correct NAT/gateway rules.
- TCP connections work in one way or between specific hosts, but in one direction to WAN or from WAN they don't work,

Slow traffic (~5.67 Kbps) !!!!

- UDP work sometimes,

First : Login Host machine, SERVER which is Main
[crayon-663519bc44071827709400/]

Second: Open pfsense

Disable the hardware checksum offload.

Sense
COMMUNITY EDITION

System / Advanced / Networking

Admin Access Firewall & NAT **Networking** Miscellaneous System Tunables Notifications

IPv6 Options

Allow IPv6 ☒ All IPv6 traffic will be blocked by the firewall unless this box is checked
NOTE: This does not disable any IPv6 features on the firewall, it only blocks traffic.

IPv6 over IPv4 Tunneling ☐ Enable IPv4 NAT encapsulation of IPv6 packets

IP address

Enable IPv4 NAT encapsulation of IPv6 packets.
This provides an RFC 2893 compatibility mechanism that can be used to tunneling IPv6 packets over IPv4 routing infrastructures. If enabled, don't forget to add a firewall rule to permit IPv6 packets.

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Prefer IPv4 over IPv6 ☐ Prefer to use IPv4 even if IPv6 is available
By default, if IPv6 is configured and a hostname resolves IPv6 and IPv4 addresses, IPv6 will be used. If this option is selected, IPv4 will be preferred over IPv6.

Network Interfaces

Device polling ☐ Enable device polling
Device polling is a technique that lets the system periodically poll network devices for new data instead of relying on interrupts. This prevents the webConfigurator, SSH, etc. from being inaccessible due to interrupt floods when under extreme load. Generally this is not recommended. Not all NICs support polling; see the pfSense homepage for a list of supported cards

Hardware Checksum Offloading ☒ Disable hardware checksum offload
Checking this option will disable hardware checksum offloading.
Checksum offloading is broken in some hardware, particularly some Realtek cards. Rarely, drivers may have problems with checksum offloading and some specific NICs. This will take effect after a machine reboot or re-configure of each interface.

References

https://doc.pfsense.org/index.php/VirtIO_Driver_Support

<https://doc.pfsense.org/index.php/Limiters>

<https://turbofuture.com/computers/How-to-Configure-Deep-Packet-Inspection-Using-pfSense>

https://www.reddit.com/r/PFSENSE/comments/45k0n5/pfsense_slow_wan_throughput/