Disable in the Operating System the sending of the ARP replies in response to received ARP requests for all local addresses

Disable in the Operating System the creating of the new IP entries in the ARP cache triggered by the unsolicited and gratuitous ARP requests and replies

Delete the current IP entries from the ARP cache (possible entries poisoned) (POLICY: CLEAN)

Add the <IP, MAC> entries in the SARPI cache with the <IP, MAC> entries from the configuration file

Overwrite the IP entries in the ARP cache with the <IP, MAC> entries from the SARPI cache (POLICY: UPDATE)

[SARPI timeout of the SARPI cache = 600 seconds]

Delete the <IP, MAC> entries from the SARPI cache

Restore in the Operating System the sending of the ARP replies in response to received ARP requests for all local addresses

Read the I/O ARP packets from the network traffic

Check the type of the ARP packet read

Add the <IP, MAC> entries in the SARPI cache with the <IP, MAC> entries from the configuration file

Check if the ARP request packet is a probe ARP request packet

Send a probe ARP reply to source IP (with MAC broadcast) address of the ARP packet (in the next ARP packet read, follow the outbound ARP reply)

Check the I/O bound direction of the ARP request packet read (sent by us or sent to us)

Check the I/O bound direction of the ARP reply packet read (sent by us or sent to us)

Check if the ARP request packet is a gratuitous ARP request packet

Send an ARP reply to source IP (with MAC broadcast) address of the ARP packet (in the next ARP packet read, follow the outbound ARP reply)

Check if the source IP address of the ARP packet exists in the SARPI cache

Overwrite the IP entry in the ARP cache of the source IP address of the ARP packet with the same source <IP, MAC> addresses (POLICY: ALLOW)

Overwrite the IP entry in the ARP cache of the source IP address of the ARP packet with the <IP, MAC> entry from the SARPI cache (POLICY: REFRESH)

Check if the ARP reply packet is a gratuitous ARP reply packet

Check if the ARP reply packet is a probe ARP reply packet

Send an ARP reply to source IP (with MAC broadcast) address of the ARP packet (in the next ARP packet read, follow the outbound ARP reply)

Check if the source IP address of the ARP packet exists in the SARPI cache

Overwrite the IP entry in the ARP cache of the source IP address of the ARP packet with the same source <IP, MAC> addresses (POLICY: ALLOW)

Overwrite the IP entry in the ARP cache of the source IP address of the ARP packet with the <IP, MAC> entry from the SARPI cache (POLICY: REFRESH)

Check the Interrupt signal

Delete the <IP, MAC> entries from the SARPI cache

*Restore in the Operating System the sending of the ARP replies in response to received ARP requests for all local addresses

*Restore in the Operating System the creating of the new IP entries in the ARP cache triggered by the unsolicited and gratuitous ARP requests and replies