

## acpfctrl

<https://campus.barracuda.com/doc/43846890/>

Use Barracuda NG Admin to configure your unit. Do not configure your system with the **acpfctrl** utility unless you are advised to do so by [Barracuda Networks Technical Support](#).

To view information and settings for the firewall module (**acpf**), use the **acpfctrl** utility.

List of all **acpfctrl** options:

```
[root@HQ-NG1:~]# acpfctrl use: acpfctrl [start stop parp noping srvport bac  
lproto realm cache natable fwd param suspend resume version] start Load  
module, caches and rules stop Save caches and unload module parp Proxy ARP  
control noping Non local ECHO handled IPs bacl Box access control list lproto  
Locally handled IP Protocols realm Device realm assignment device Show device  
information sync TF sync control tune Tuning control cache Cache control fwd  
passthru forwarding srvport Service to Port Mapping natable plugin natables  
plugdebug plugin debuglevel sip SIP call table arp ARP request interface  
matching bridge bridging group manipulation term Terminate slots param ACPF  
parameters l2tp l2tp device handling clone Clone packet to other host via UDP  
report set packet drop reporting suspend seconds put to sleep for n seconds  
resume acpf wakeup call dfbit global clearing of DF bit for vpn tunnels auth  
authentication control ;user-addr mapping route dstIP srcIP inDev audit Audit  
log control p2p P2P control ips IPS control slot slot info inbound inbound  
info uport uport info acceptor acceptor info source source info sizes show  
struct size info shaping traffic shaping forward turn forwarding on/off  
forward6 turn ipv6 forwarding on/off landingpage manage landing page rules  
rxqueue manage rx queue number and filter for network cards with 82598 and  
82599 chipset. urlcat urlcat info and parameters flex flex setup and  
information addrinfo addrinfo cache blockpage sslice sslice and AV scanning  
configuration version ACPF Version
```

### Options

#### **start**

Starts the acpf module and imports the Forwarding Firewall rules and access cache.

#### **stop**

Stops the acpf module. The firewall is stopped. Rules and the access cache are saved.

The `acpf` can only be stopped if its dependent services are also stopped. Before using the **`acpfctl stop`** command, block the firewall services on the server and on the system by using the **`phionctrl module block firewall`** and **`phionctrl box block boxfw`** commands. For more information, see [phionctrl](#).

#### **`parp show`**

Displays all proxy ARP entries for the firewall.

```
[root@ash:/var/phion/logs]# acpfctl parp show noext 10.0.10.208/4 MVPN
```

#### **`noping show`**

Displays all IP addresses that are set to **`noping`**.

#### **`bacl show`**

Displays all box access control list entries.

#### **`lproto show`**

Displays the locally handled IP protocols.

#### **`realm show`**

Displays the device realm assignment. The following realms are available:

- **`0unknown`**
- **`1intern`**
- **`2dmz`**
- **`3extern`**
- **`4persvpn`**
- **`5fwvpn`**
- **`6iptun`**
- **`7usr`**

#### **`device`**

Displays information about all devices for debugging.

#### **Example 1:**

```
[root@HQ-NG1:~]# acpfctl device show lo index=1 realm=opsys port=unknown  
base=00000000 irq=0 dma=0 state=XOFF START mtu=3500 type=LOOPBACK
```

```
mac=00:00:00:00:00:00 brd=00:00:00:00:00:00 num_mc=0 flags=UP LOOPBACK
features=SG/IO NO-CSUM HIGH-DMA FRAGLIST refcnt=21 watchtime=0
last_rx=1.9656e+06 secs last_tx=1.9656e+06 secs rx=0/0 tx=0/0 rx-err=0 tx-
err=0 colls=0 eth0 index=2 realm=intern port=unknown base=00000000 irq=0
dma=0 state=XOFF START mtu=1500 type=ETHER mac=00:0c:29:22:84:70
brd=ff:ff:ff:ff:ff:ff num_mc=1 flags=UP BROADCAST features=HW-CSUM HIGH-DMA
HW-VLAN-TX HW-VLAN-RX HW-VLAN-FILTER refcnt=44 watchtime=5000
last_rx=1.9656e+06 secs last_tx=1.96809e+06 secs rx=1569875/1420438899
tx=656119/161707104 rx-err=0 tx-err=0 colls=0
```

### **sync**

Prints the **sync** state of the system to the standard output.

```
[root@HQ-NG1:~]# acpfctrl sync show Mode: OFF Cookie: cb014880 SyncNumber: 1
Server: VIRT1 Partner: DOWN Source: 10.0.10.88:689 Destination: 0.0.0.0:689
KeyIndex: 0 Key1: 00000000000000000000000000000000 Key2:
00000000000000000000000000000000 A Unsynced 0 A Synced 0 A Unsynced Close 0 A
Synced Close 0 P Synced 0 P Synced Close 0 A SIP Unsynced 0 A SIP Synced 0 A
SIP Unsynced Close 0 A SIP Synced Close 0 P SIP Synced 0 P SIP Synced Close 0
```

### **plugdebug**

Dumps debug messages of a specified plugin to the appliance firewall log.

- **acpfctrl plugdebug <plugin name> 1** — Enables the dumping of debug messages.
- **acpfctrl plugdebug <plugin name> 0** — Disables the dumping of debug messages.

The output for the **plugdebug** parameter is used by Barracuda Networks Technical Support.

### **param**

Displays the parameter settings for the appliance.

### **version**

Displays the acpf version.

```
[root@chefix:~]# acpfctrl version PhionVersionString R-3.2_V-3.2.0.1 Nov 8
2005 18:53:18
```

### **tune kernel**

Checks the **Use Kernel Ruleset** parameter in the operational settings of the general firewall configuration and displays the status.

- ***acpfctrl tune kernel on*** — Temporarily enables the **Use Kernel Ruleset** function until reboot.
- ***acpfctrl tune kernel off*** — Temporary disables the **Use Kernel Ruleset** function until reboot.

#### ***tune vpnbypass***

To properly use tcpdump to troubleshoot or monitor VPN traffic, all VPN traffic must be handled by one CPU. Only use this option temporarily because disabling vpnbypass considerably reduces the performance of the VPN service.

- ***acpfctrl tune vpnbypass on*** - VPN traffic is handled by multiple CPUs.(default)
- ***acpfctrl tune vpnbypass off*** - VPN traffic is handled by a single CPU, allowing tcpdump to show all VPN traffic.

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