

## acpfctrl

<https://campus.barracuda.com/doc/79463422/>

Use Barracuda Firewall 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 [acceptor addrinfo appid arp asdwnl audit auth bacl bal
blockpage bridge cache clone contentid device dfbit
flex forward forward6 fwd icmplog inbound ips landingpage l2tp
lproto monitor nattable noping ppp param parp
plugdebug quarantine realm report resume route rxqueue scada
shaping sip sizes sslslice slot source srvport
start stop suspend sync term tune urlcat version]
acceptor      Acceptor info
               call with argument 'count' to get acceptor statistics
addrinfo      Addrinfo cache
appid         Appid information, configuration and parameters
arp           ARP request interface matching
asynctownload Configure asynchronous downloads
audit         Audit log control
auth          Authentication control ;user-addr mapping
bacl          Box access control list
bal           Balance handling and management
blockpage     Manage and display blocking page
bridge        Bridging group manipulation
cache         Cache control
cacheadd      Add entry to scan cache
clone         Clone packet to other host via UDP
contentid     Change ContentId settings
crashreport   Report a summary of useful informations in case of a crash
or oops.
device        Show device information
dfbit         Global clearing of DF bit for vpn tunnels
flex          Flex setup and information
forward       Turn forwarding on/off
forward6      Turn ipv6 forwarding on/off
fwd           Passthru forwarding (Generic Forwarders)
icmplog       Log ICMP messages
```

inbound	Inbound info
ips	IPS control
l2tp	L2TP device handling
landingpage	Manage landing page rules
lproto	Locally handled IP Protocols
monitor	Monitoring (packet capture) information and parameters
nattable	Plugin natables
noping	Non local ECHO handled IPs
noping6	Non local icmp6 ECHO handled IPs
ppp	Port protocol protection info
param	ACPF parameters
parp	Proxy ARP control
plugdebug	Plugin debuglevel
quarantine	Quarantine Groups
realm	Device realm assignment
report	Set packet drop reporting
resume	Acpf wakeup call
route	DstIP srcIP inDev
rxqueue	Manage rx queue number and filter for network cards with
82598 and 82599	chipset.
scada	SCADA related settings
shaping	Traffic shaping
sip	SIP call table
sizes	Show struct size info
slot	Slot info
source	Source info
srvport	Service to Port Mapping
sslice	Sslice and AV scanning configuration
start	Load module, caches and rules
stat	Slot statistics
stop	Save caches and unload module
suspend	Seconds put to sleep for n seconds
sync	TF sync control
term	Terminate slots
trafficstat	Show some traffic statistics
tune	Tuning control
urlcat	urlcat info and parameters
user	user information
vrf	virtual routing and forwarding
webmsg	web access syslog forwarding

## 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:~]# acpfctrl 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:              000000000000000000000000000000000000
Key2:              000000000000000000000000000000000000
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.

### **vrf**

The partial command **vrf** provides a subset of more vrf-related commands:

The following commands are to be exclusively used by authorized Barracuda Support experts only!

Do not use the following commands unless you are authorized by Barracuda Support experts!

**acpfctrl vrf create [vrfname] [vrfid]** - Creates a VR instance with the given name and ID.

**acpfctrl vrf delete [vrfname]** - Deletes a VR instance with the given name.

**acpfctrl vrf exec [vrfname] [cmd] (restricted to acpfctrl commands)** - Executes a shell command in the context of the named VR instance.

**acpfctrl vrf identify [pid]** - Shows the VR instance a user is connected to via the CLI.

**acpfctrl vrf event** - In case there are events available for the VR instance, this will produce a list.

**acpfctrl vrf show** - Lists all VR instances configured on the box.

© Barracuda Networks Inc., 2019 The information contained within this document is confidential and proprietary to Barracuda Networks Inc. No portion of this document may be copied, distributed, publicized or used for other than internal documentary purposes without the written consent of an official representative of Barracuda Networks Inc. All specifications are subject to change without notice. Barracuda Networks Inc. assumes no responsibility for any inaccuracies in this document. Barracuda Networks Inc. reserves the right to change, modify, transfer, or otherwise revise this publication without notice.