

---

Subject: Re: OpenVZ & Shorewall

Posted by [zoom](#) on Tue, 21 Mar 2006 00:21:57 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

In order to determine what capabilities I have with the original kernel vs the OpenVZ kernel I used the shorewall command "shorewall show capabilities" It seems there are a few differences that could account for it not functioning correctly under the OpenVZ kernel on the Host hardware.

The ones highlighted in Red seem to be missing from OpenVZ.

OpenVZ Kernel IPTables Capabilities:

NAT: Available  
Packet Mangling: Available  
Multi-port Match: Available  
Extended Multi-port Match: Not available  
Connection Tracking Match: Available  
Packet Type Match: Not available  
Policy Match: Not available  
Physdev Match: Not available  
IP range Match: Available  
Recent Match: Available  
Owner Match: Not available  
Ipset Match: Not available  
CONNMARK Target: Not available  
Connmark Match: Not available  
Raw Table: Not available  
CLASSIFY Target: Available

Original Kernel IPTables Capabilities:

NAT: Available  
Packet Mangling: Available  
Multi-port Match: Available  
Extended Multi-port Match: Not available  
Connection Tracking Match: Available  
Packet Type Match: Available  
Policy Match: Not available  
Physdev Match: Available  
IP range Match: Available  
Recent Match: Available  
Owner Match: Available  
Ipset Match: Not available  
CONNMARK Target: Not available  
Connmark Match: Not available  
Raw Table: Available  
CLASSIFY Target: Available

This is what Ismod shows running the OpenVZ kernel.

Module	Size	Used by
ipt_TOS	2112	0
ipt_state	1632	12
ipt_SAME	2048	0
ipt_recent	9196	0
ipt_NETMAP	1472	0
ipt_MASQUERADE	2176	0
ipt_MARK	1440	0
ipt_mark	1152	0
ipt_mac	1376	0
ipt_LOG	6176	9
ipt_iprange	1472	0
ipt_helper	1696	0
ipt_contrack	2240	0
ipt_CLASSIFY	1536	0
ip_nat_irc	3664	0
ip_nat_tftp	2544	0
ip_nat_ftp	4272	0
iptable_nat	26492	6 ipt_SAME, ipt_NETMAP, ipt_MASQUERADE, ip_nat_irc, ip_nat_tftp, ip_nat_ftp
ip_contrack_irc	70416	1 ip_nat_irc
ip_contrack_tftp	2640	0
ip_contrack_ftp	71408	1 ip_nat_ftp
ip_contrack	35688	13 ipt_state, ipt_SAME, ipt_NETMAP, ipt_MASQUERADE, ipt_helper, ipt_contrack, ip_nat_irc, ip_nat_tftp, ip_nat_ftp, iptable_nat, ip_contrack_irc, ip_contrack_tftp, ip_contrack_ftp
simfs	3612	2
vzdquota	38576	2 [permanent]
af_packet	16360	0
ipt_length	1504	2
ipt_ttl	1632	2
ipt_tcpmss	1920	2
ipt_TCPMSS	3648	2
iptable_mangle	4256	3
iptable_filter	4096	3
ipt_multiport	1760	6
ipt_limit	1952	2
ipt_tos	1408	2
ipt_REJECT	5568	6
ip_tables	20656	25 ipt_TOS, ipt_state, ipt_SAME, ipt_recent, ipt_NETMAP, ipt_MASQUERADE, ipt_MARK, ipt_mark, ipt_mac, ipt_LOG, ipt_iprange, ipt_helper, ipt_contrack, ipt_CLASSIFY, iptable_nat, ipt_length, ipt_ttl, ipt_tcpmss, ipt_TCPMSS, iptable_mangle, iptable_filter, ipt_multiport, ipt_limit, ipt_tos, ipt_REJECT
parport_pc	23104	1
lp	7976	0
parport	20544	2 parport_pc, lp

i2c_dev	7872	0	
i2c_core	18416	1	i2c_dev
sunrpc	129028	1	
vznetdev	12480	5	
vzmon	41632	3	vznetdev
vzdev	1792	3	vzdquota,vznetdev,vzmon
thermal	10096	0	
processor	10244	1	thermal
fan	2668	0	
button	4408	0	
battery	7052	0	
asus_acpi	8920	0	
ac	3084	0	
usbhid	22240	0	
usbmouse	4064	0	
uhci_hcd	28656	0	
usbcore	100356	5	usbhid,usbmouse,uhci_hcd
3c59x	34408	0	
floppy	54192	0	
ide_cd	36800	0	
cdrom	37212	1	ide_cd

I believe the problem is the missing items shown in Red. Comments???

THanks./.