

Before Router Reboot using Vexiras Config:

ASUSWRT-Merlin RT-AC3100 380.68-0 Fri Aug 18 21:40:59 UTC 2017

admin@RT-AC3100-6008:/tmp/home/root# iptables-save

Generated by iptables-save v1.4.14 on Mon Sep 4 15:03:23 2017

*raw

:PREROUTING ACCEPT [4311231:777578521]

:OUTPUT ACCEPT [1075741:397699069]

COMMIT

Completed on Mon Sep 4 15:03:23 2017

Generated by iptables-save v1.4.14 on Mon Sep 4 15:03:23 2017

*nat

:PREROUTING ACCEPT [610:51586]

:INPUT ACCEPT [382:25478]

:OUTPUT ACCEPT [83:7719]

:POSTROUTING ACCEPT [81:5905]

:DNSFILTER - [0:0]

:LOCALSRV - [0:0]

:PCREDIRECT - [0:0]

:PUPNP - [0:0]

:VSERVER - [0:0]

:VUPNP - [0:0]

-A PREROUTING -d 72.24.147.17/32 -j VSERVER

-A POSTROUTING -o eth0 -j PUPNP

-A POSTROUTING ! -s 72.24.147.17/32 -o eth0 -j MASQUERADE

-A POSTROUTING -s 192.168.0.0/24 -d 192.168.0.0/24 -o br0 -j MASQUERADE

-A PUPNP -s 192.168.0.192/32 -p udp -m udp --sport 3075 -j MASQUERADE --to-ports 3177

-A PUPNP -s 192.168.0.192/32 -p udp -m udp --sport 3075 -j MASQUERADE --to-ports 3094

-A PUPNP -s 192.168.0.192/32 -p udp -m udp --sport 3075 -j MASQUERADE --to-ports 3109

-A VSERVER -j VUPNP

-A VSERVER -j LOCALSRV

-A VSERVER -j DNAT --to-destination 192.168.0.150

-A VUPNP -p udp -m udp --dport 3074 -j DNAT --to-destination 192.168.0.199:3074

-A VUPNP -p tcp -m tcp --dport 5101 -j DNAT --to-destination 192.168.0.129:5101

-A VUPNP -p udp -m udp --dport 56884 -j DNAT --to-destination 192.168.0.144:5688

4

-A VUPNP -p udp -m udp --dport 3177 -j DNAT --to-destination 192.168.0.192:3075

-A VUPNP -p udp -m udp --dport 3075 -j DNAT --to-destination 192.168.0.144:3075

-A VUPNP -p udp -m udp --dport 3094 -j DNAT --to-destination 192.168.0.192:3075

-A VUPNP -p udp -m udp --dport 55675 -j DNAT --to-destination 192.168.0.192:5567

5

```
-A VUPNP -p udp -m udp --dport 3109 -j DNAT --to-destination 192.168.0.192:3075
COMMIT
# Completed on Mon Sep  4 15:03:23 2017
# Generated by iptables-save v1.4.14 on Mon Sep  4 15:03:23 2017
*mangle
:PREROUTING ACCEPT [104767:23533243]
:INPUT ACCEPT [40749:5582383]
:FORWARD ACCEPT [62480:17759451]
:OUTPUT ACCEPT [34728:11058896]
:POSTROUTING ACCEPT [97260:28826846]
:BWDPI_FILTER - [0:0]
-A PREROUTING -i eth0 -p udp -j BWDPI_FILTER
-A FORWARD -s 192.168.0.0/24 -d 192.168.0.0/24 -o br0 -j MARK --set-xmark 0x1/0x
7
-A BWDPI_FILTER -i eth0 -p udp -m udp --sport 68 --dport 67 -j DROP
-A BWDPI_FILTER -i eth0 -p udp -m udp --sport 67 --dport 68 -j DROP
COMMIT
# Completed on Mon Sep  4 15:03:23 2017
# Generated by iptables-save v1.4.14 on Mon Sep  4 15:03:23 2017
*filter
:INPUT ACCEPT [0:0]
:FORWARD DROP [0:0]
:OUTPUT ACCEPT [5281:2878485]
:ACCESS_RESTRICTION - [0:0]
:FUPNP - [0:0]
:INPUT_ICMP - [0:0]
:NSFW - [0:0]
:PControls - [0:0]
:PTCSRVLAN - [0:0]
:PTCSRWWAN - [0:0]
:SECURITY - [0:0]
:logaccept - [0:0]
:logdrop - [0:0]
-A INPUT -i eth0 -p icmp -m icmp --icmp-type 8 -j DROP
-A INPUT -m state --state RELATED,ESTABLISHED -j ACCEPT
-A INPUT -m state --state INVALID -j DROP
-A INPUT ! -i br0 -j PTCSRWWAN
-A INPUT -i br0 -j PTCSRVLAN
-A INPUT -i br0 -m state --state NEW -j ACCEPT
-A INPUT -i lo -m state --state NEW -j ACCEPT
-A INPUT -p udp -m udp --sport 67 --dport 68 -j ACCEPT
-A INPUT -p icmp -j INPUT_ICMP
-A INPUT -j DROP
```

```
-A FORWARD -m state --state RELATED,ESTABLISHED -j ACCEPT
-A FORWARD ! -i br0 -o eth0 -j DROP
-A FORWARD -i eth0 -m state --state INVALID -j DROP
-A FORWARD -i br0 -o br0 -j ACCEPT
-A FORWARD -j NSFW
-A FORWARD -m conntrack --ctstate DNAT -j ACCEPT
-A FORWARD -i br0 -j ACCEPT
-A FUPNP -d 192.168.0.199/32 -p udp -m udp --dport 3074 -j ACCEPT
-A FUPNP -d 192.168.0.129/32 -p tcp -m tcp --dport 5101 -j ACCEPT
-A FUPNP -d 192.168.0.144/32 -p udp -m udp --dport 56884 -j ACCEPT
-A FUPNP -d 192.168.0.192/32 -p udp -m udp --dport 3075 -j ACCEPT
-A FUPNP -d 192.168.0.144/32 -p udp -m udp --dport 3075 -j ACCEPT
-A FUPNP -d 192.168.0.192/32 -p udp -m udp --dport 3075 -j ACCEPT
-A FUPNP -d 192.168.0.192/32 -p udp -m udp --dport 55675 -j ACCEPT
-A FUPNP -d 192.168.0.192/32 -p udp -m udp --dport 3075 -j ACCEPT
-A INPUT_ICMP -p icmp -m icmp --icmp-type 8 -j RETURN
-A INPUT_ICMP -p icmp -m icmp --icmp-type 13 -j RETURN
-A INPUT_ICMP -p icmp -j ACCEPT
-A PControls -j ACCEPT
-A SECURITY -d 192.168.0.150/32 -j RETURN
-A SECURITY -p tcp -m tcp --tcp-flags FIN,SYN,RST,ACK SYN -m limit --limit 1/sec
-j RETURN
-A SECURITY -p tcp -m tcp --tcp-flags FIN,SYN,RST,ACK SYN -j DROP
-A SECURITY -p tcp -m tcp --tcp-flags FIN,SYN,RST,ACK RST -m limit --limit 1/sec
-j RETURN
-A SECURITY -p tcp -m tcp --tcp-flags FIN,SYN,RST,ACK RST -j DROP
-A SECURITY -p icmp -m icmp --icmp-type 8 -m limit --limit 1/sec -j RETURN
-A SECURITY -p icmp -m icmp --icmp-type 8 -j DROP
-A SECURITY -j RETURN
-A logaccept -m state --state NEW -j LOG --log-prefix "ACCEPT " --log-tcp-sequen
ce --log-tcp-options --log-ip-options
-A logaccept -j ACCEPT
-A logdrop -m state --state NEW -j LOG --log-prefix "DROP " --log-tcp-sequence -
-log-tcp-options --log-ip-options
-A logdrop -j DROP
COMMIT
# Completed on Mon Sep 4 15:03:23 2017
```

After Clean Router Reboot:

ASUSWRT-Merlin RT-AC3100 380.68-0 Fri Aug 18 21:40:59 UTC 2017

admin@RT-AC3100-6008:/tmp/home/root# iptables-save

Generated by iptables-save v1.4.14 on Mon Sep 4 15:07:53 2017

*raw

:PREROUTING ACCEPT [3532:682380]

:OUTPUT ACCEPT [2078:559979]

COMMIT

Completed on Mon Sep 4 15:07:53 2017

Generated by iptables-save v1.4.14 on Mon Sep 4 15:07:53 2017

*nat

:PREROUTING ACCEPT [426:36260]

:INPUT ACCEPT [125:15180]

:OUTPUT ACCEPT [62:5234]

:POSTROUTING ACCEPT [55:4794]

:DNSFILTER - [0:0]

:LOCALSRV - [0:0]

:PCREDIRECT - [0:0]

:PUPNP - [0:0]

:VSERVER - [0:0]

:VUPNP - [0:0]

-A PREROUTING -d 159.118.217.130/32 -j VSERVER

-A POSTROUTING -o eth0 -j PUPNP

-A POSTROUTING ! -s 159.118.217.130/32 -o eth0 -j MASQUERADE

-A POSTROUTING -s 192.168.0.0/24 -d 192.168.0.0/24 -o br0 -j MASQUERADE

-A VSERVER -j VUPNP

-A VSERVER -j LOCALSRV

-A VSERVER -j DNAT --to-destination 192.168.0.150

COMMIT

Completed on Mon Sep 4 15:07:53 2017

Generated by iptables-save v1.4.14 on Mon Sep 4 15:07:53 2017

*mangle

:PREROUTING ACCEPT [1480:205569]

:INPUT ACCEPT [648:102523]

:FORWARD ACCEPT [706:95177]

:OUTPUT ACCEPT [493:157245]

:POSTROUTING ACCEPT [1018:241012]

:BWDPI_FILTER - [0:0]

-A PREROUTING -i eth0 -p udp -j BWDPI_FILTER

-A FORWARD -s 192.168.0.0/24 -d 192.168.0.0/24 -o br0 -j MARK --set-xmark 0x1/0x

7

-A BWDPI_FILTER -i eth0 -p udp -m udp --sport 68 --dport 67 -j DROP

-A BWDPI_FILTER -i eth0 -p udp -m udp --sport 67 --dport 68 -j DROP

COMMIT

Completed on Mon Sep 4 15:07:53 2017

Generated by iptables-save v1.4.14 on Mon Sep 4 15:07:53 2017

*filter

:INPUT ACCEPT [0:0]

:FORWARD DROP [0:0]

:OUTPUT ACCEPT [496:158197]

:ACCESS_RESTRICTION - [0:0]

:FUPNP - [0:0]

:INPUT_ICMP - [0:0]

:NSFW - [0:0]

:PControls - [0:0]

:PTCSRVLAN - [0:0]

:PTCSRWWAN - [0:0]

:SECURITY - [0:0]

:logaccept - [0:0]

:logdrop - [0:0]

-A INPUT -i eth0 -p icmp -m icmp --icmp-type 8 -j DROP

-A INPUT -m state --state RELATED,ESTABLISHED -j ACCEPT

-A INPUT -m state --state INVALID -j DROP

-A INPUT ! -i br0 -j PTCSRWWAN

-A INPUT -i br0 -j PTCSRVLAN

-A INPUT -i br0 -m state --state NEW -j ACCEPT

-A INPUT -i lo -m state --state NEW -j ACCEPT

-A INPUT -p udp -m udp --sport 67 --dport 68 -j ACCEPT

-A INPUT -p icmp -j INPUT_ICMP

-A INPUT -j DROP

-A FORWARD -m state --state RELATED,ESTABLISHED -j ACCEPT

-A FORWARD ! -i br0 -o eth0 -j DROP

-A FORWARD -i eth0 -m state --state INVALID -j DROP

-A FORWARD -i br0 -o br0 -j ACCEPT

-A FORWARD -j NSFW

-A FORWARD -m conntrack --ctstate DNAT -j ACCEPT

-A FORWARD -i br0 -j ACCEPT

-A INPUT_ICMP -p icmp -m icmp --icmp-type 8 -j RETURN

-A INPUT_ICMP -p icmp -m icmp --icmp-type 13 -j RETURN

-A INPUT_ICMP -p icmp -j ACCEPT

-A PControls -j ACCEPT

-A SECURITY -d 192.168.0.150/32 -j RETURN

-A SECURITY -p tcp -m tcp --tcp-flags FIN,SYN,RST,ACK SYN -m limit --limit 1/sec
-j RETURN

-A SECURITY -p tcp -m tcp --tcp-flags FIN,SYN,RST,ACK SYN -j DROP

-A SECURITY -p tcp -m tcp --tcp-flags FIN,SYN,RST,ACK RST -m limit --limit 1/sec

```
-j RETURN
-A SECURITY -p tcp -m tcp --tcp-flags FIN,SYN,RST,ACK RST -j DROP
-A SECURITY -p icmp -m icmp --icmp-type 8 -m limit --limit 1/sec -j RETURN
-A SECURITY -p icmp -m icmp --icmp-type 8 -j DROP
-A SECURITY -j RETURN
-A logaccept -m state --state NEW -j LOG --log-prefix "ACCEPT " --log-tcp-sequen
ce --log-tcp-options --log-ip-options
-A logaccept -j ACCEPT
-A logdrop -m state --state NEW -j LOG --log-prefix "DROP " --log-tcp-sequence -
-log-tcp-options --log-ip-options
-A logdrop -j DROP
COMMIT
# Completed on Mon Sep  4 15:07:53 2017
```

After both xbo1 consoles online with BO3 use Vexiras configuration:

```
admin@RT-AC3100-6008:/tmp/home/root# iptables-save
```

```
# Generated by iptables-save v1.4.14 on Mon Sep  4 15:17:20 2017
```

```
*raw
```

```
:PREROUTING ACCEPT [22559:7494713]
```

```
:OUTPUT ACCEPT [5768:1449270]
```

```
COMMIT
```

```
# Completed on Mon Sep  4 15:17:20 2017
```

```
# Generated by iptables-save v1.4.14 on Mon Sep  4 15:17:20 2017
```

```
*nat
```

```
:PREROUTING ACCEPT [191:14241]
```

```
:INPUT ACCEPT [93:8057]
```

```
:OUTPUT ACCEPT [45:4251]
```

```
:POSTROUTING ACCEPT [42:3255]
```

```
:DNSFILTER - [0:0]
```

```
:LOCALSRV - [0:0]
```

```
:PCREDIRECT - [0:0]
```

```
:PUPNP - [0:0]
```

```
:VSERVER - [0:0]
```

```
:VUPNP - [0:0]
```

```
-A PREROUTING -d 159.118.217.130/32 -j VSERVER
```

```
-A POSTROUTING -o eth0 -j PUPNP
```

```
-A POSTROUTING ! -s 159.118.217.130/32 -o eth0 -j MASQUERADE
```

```
-A POSTROUTING -s 192.168.0.0/24 -d 192.168.0.0/24 -o br0 -j MASQUERADE
```

```
-A PUPNP -s 192.168.0.144/32 -p udp -m udp --sport 3075 -j MASQUERADE --to-ports 3149
```

```
-A VSERVER -j VUPNP
```

```
-A VSERVER -j LOCALSRV
```

```
-A VSERVER -j DNAT --to-destination 192.168.0.150
```

```
-A VUPNP -p udp -m udp --dport 3074 -j DNAT --to-destination 192.168.0.192:3074
```

```
-A VUPNP -p udp -m udp --dport 3075 -j DNAT --to-destination 192.168.0.192:3075
```

```
-A VUPNP -p udp -m udp --dport 56884 -j DNAT --to-destination 192.168.0.144:56884
```

```
-A VUPNP -p udp -m udp --dport 3149 -j DNAT --to-destination 192.168.0.144:3075
```

```
-A VUPNP -p udp -m udp --dport 62638 -j DNAT --to-destination 192.168.0.151:62638
```

```
COMMIT
```

```
# Completed on Mon Sep  4 15:17:20 2017
```

```
# Generated by iptables-save v1.4.14 on Mon Sep  4 15:17:20 2017
```

```
*mangle
```

```
:PREROUTING ACCEPT [20509:7018016]
```

```
:INPUT ACCEPT [5715:905392]
```

```
:FORWARD ACCEPT [14097:6045747]
```

```
:OUTPUT ACCEPT [4184:1046768]
```

```
:POSTROUTING ACCEPT [17497:7034379]
```

```
:BWDPI_FILTER - [0:0]
```

```
-A PREROUTING -i eth0 -p udp -j BWDPI_FILTER
-A FORWARD -s 192.168.0.0/24 -d 192.168.0.0/24 -o br0 -j MARK --set-xmark 0x1/0x7
-A BWDPI_FILTER -i eth0 -p udp -m udp --sport 68 --dport 67 -j DROP
-A BWDPI_FILTER -i eth0 -p udp -m udp --sport 67 --dport 68 -j DROP
COMMIT
# Completed on Mon Sep  4 15:17:20 2017
# Generated by iptables-save v1.4.14 on Mon Sep  4 15:17:20 2017
```


Exiting BO3 and loading IW game:

Generated by iptables-save v1.4.14 on Mon Sep 4 15:24:48 2017

*raw

:PREROUTING ACCEPT [32832:11599201]

:OUTPUT ACCEPT [7960:1940167]

COMMIT

Completed on Mon Sep 4 15:24:48 2017

Generated by iptables-save v1.4.14 on Mon Sep 4 15:24:48 2017

*nat

:PREROUTING ACCEPT [152:13528]

:INPUT ACCEPT [82:9008]

:OUTPUT ACCEPT [41:4312]

:POSTROUTING ACCEPT [35:2618]

:DNSFILTER - [0:0]

:LOCALSRV - [0:0]

:PCREDIRECT - [0:0]

:PUPNP - [0:0]

:VSERVER - [0:0]

:VUPNP - [0:0]

-A PREROUTING -d 159.118.217.130/32 -j VSERVER

-A POSTROUTING -o eth0 -j PUPNP

-A POSTROUTING ! -s 159.118.217.130/32 -o eth0 -j MASQUERADE

-A POSTROUTING -s 192.168.0.0/24 -d 192.168.0.0/24 -o br0 -j MASQUERADE

-A PUPNP -s 192.168.0.144/32 -p udp -m udp --sport 3075 -j MASQUERADE --to-ports 3149

-A PUPNP -s 192.168.0.144/32 -p udp -m udp --sport 3076 -j MASQUERADE --to-ports 3150

-A VSERVER -j VUPNP

-A VSERVER -j LOCALSRV

-A VSERVER -j DNAT --to-destination 192.168.0.150

-A VUPNP -p udp -m udp --dport 3074 -j DNAT --to-destination 192.168.0.192:3074

-A VUPNP -p udp -m udp --dport 3075 -j DNAT --to-destination 192.168.0.192:3075

-A VUPNP -p udp -m udp --dport 56884 -j DNAT --to-destination 192.168.0.144:56884

-A VUPNP -p udp -m udp --dport 3149 -j DNAT --to-destination 192.168.0.144:3075

-A VUPNP -p udp -m udp --dport 3076 -j DNAT --to-destination 192.168.0.192:3076

-A VUPNP -p udp -m udp --dport 3150 -j DNAT --to-destination 192.168.0.144:3076

COMMIT

Completed on Mon Sep 4 15:24:48 2017

Generated by iptables-save v1.4.14 on Mon Sep 4 15:24:48 2017

*mangle

:PREROUTING ACCEPT [30780:11122390]

:INPUT ACCEPT [8842:1414121]

:FORWARD ACCEPT [20886:9607591]

:OUTPUT ACCEPT [6376:1537665]

:POSTROUTING ACCEPT [26424:11082475]

```
:BWDPI_FILTER - [0:0]
-A PREROUTING -i eth0 -p udp -j BWDPI_FILTER
-A FORWARD -s 192.168.0.0/24 -d 192.168.0.0/24 -o br0 -j MARK --set-xmark 0x1/0x7
-A BWDPI_FILTER -i eth0 -p udp -m udp --sport 68 --dport 67 -j DROP
-A BWDPI_FILTER -i eth0 -p udp -m udp --sport 67 --dport 68 -j DROP
COMMIT
# Completed on Mon Sep  4 15:24:48 2017
# Generated by iptables-save v1.4.14 on Mon Sep  4 15:24:48 2017
*filter
:INPUT ACCEPT [0:0]
:FORWARD DROP [0:0]
:OUTPUT ACCEPT [294:59142]
:ACCESS_RESTRICTION - [0:0]
:FUPNP - [0:0]
:INPUT_ICMP - [0:0]
:NSFW - [0:0]
:PControls - [0:0]
:PTCSRVLAN - [0:0]
:PTCSRVWAN - [0:0]
:SECURITY - [0:0]
:logaccept - [0:0]
:logdrop - [0:0]
-A INPUT -i eth0 -p icmp -m icmp --icmp-type 8 -j DROP
-A INPUT -m state --state RELATED,ESTABLISHED -j ACCEPT
-A INPUT -m state --state INVALID -j DROP
-A INPUT ! -i br0 -j PTCSRVWAN
-A INPUT -i br0 -j PTCSRVLAN
-A INPUT -i br0 -m state --state NEW -j ACCEPT
-A INPUT -i lo -m state --state NEW -j ACCEPT
-A INPUT -p udp -m udp --sport 67 --dport 68 -j ACCEPT
-A INPUT -p icmp -j INPUT_ICMP
-A INPUT -j DROP
-A FORWARD -m state --state RELATED,ESTABLISHED -j ACCEPT
-A FORWARD ! -i br0 -o eth0 -j DROP
-A FORWARD -i eth0 -m state --state INVALID -j DROP
-A FORWARD -i br0 -o br0 -j ACCEPT
-A FORWARD -j NSFW
-A FORWARD -m conntrack --ctstate DNAT -j ACCEPT
-A FORWARD -i br0 -j ACCEPT
-A FUPNP -d 192.168.0.192/32 -p udp -m udp --dport 3074 -j ACCEPT
-A FUPNP -d 192.168.0.192/32 -p udp -m udp --dport 3075 -j ACCEPT
-A FUPNP -d 192.168.0.144/32 -p udp -m udp --dport 56884 -j ACCEPT
-A FUPNP -d 192.168.0.144/32 -p udp -m udp --dport 3075 -j ACCEPT
```

```
-A FUPNP -d 192.168.0.192/32 -p udp -m udp --dport 3076 -j ACCEPT
-A FUPNP -d 192.168.0.144/32 -p udp -m udp --dport 3076 -j ACCEPT
-A INPUT_ICMP -p icmp -m icmp --icmp-type 8 -j RETURN
-A INPUT_ICMP -p icmp -m icmp --icmp-type 13 -j RETURN
-A INPUT_ICMP -p icmp -j ACCEPT
-A PControls -j ACCEPT
-A SECURITY -d 192.168.0.150/32 -j RETURN
-A SECURITY -p tcp -m tcp --tcp-flags FIN,SYN,RST,ACK SYN -m limit --limit 1/sec -j RETURN
-A SECURITY -p tcp -m tcp --tcp-flags FIN,SYN,RST,ACK SYN -j DROP
-A SECURITY -p tcp -m tcp --tcp-flags FIN,SYN,RST,ACK RST -m limit --limit 1/sec -j RETURN
-A SECURITY -p tcp -m tcp --tcp-flags FIN,SYN,RST,ACK RST -j DROP
-A SECURITY -p icmp -m icmp --icmp-type 8 -m limit --limit 1/sec -j RETURN
-A SECURITY -p icmp -m icmp --icmp-type 8 -j DROP
-A SECURITY -j RETURN
-A logaccept -m state --state NEW -j LOG --log-prefix "ACCEPT " --log-tcp-sequence
--log-tcp-options --log-ip-options
-A logaccept -j ACCEPT
-A logdrop -m state --state NEW -j LOG --log-prefix "DROP " --log-tcp-sequence
--log-tcp-options --log-ip-options
-A logdrop -j DROP
COMMIT
# Completed on Mon Sep  4 15:24:48 2017
```

Capture of IPTables after OEM FW installed back on to router after Merlin FW:
v3.0.0.4.382_15852

```
admin@RT-AC3100:/tmp/home/root# iptables-save
# Generated by iptables-save v1.4.12.2 on Tue Sep  5 22:56:33 2017
*raw
:PREROUTING ACCEPT [8404:2052217]
:OUTPUT ACCEPT [2706:1004540]
COMMIT
# Completed on Tue Sep  5 22:56:33 2017
# Generated by iptables-save v1.4.12.2 on Tue Sep  5 22:56:33 2017
*nat
:PREROUTING ACCEPT [77:4976]
:INPUT ACCEPT [43:3323]
:OUTPUT ACCEPT [29:3290]
:POSTROUTING ACCEPT [25:1648]
:LOCALSRV - [0:0]
:PCREDIRECT - [0:0]
:VSERVER - [0:0]
:VUPNP - [0:0]
:YADNS - [0:0]
-A PREROUTING -d 96.19.9.11/32 -j VSERVER
-A POSTROUTING ! -s 96.19.9.11/32 -o eth0 -j MASQUERADE
-A POSTROUTING -s 192.168.0.0/24 -d 192.168.0.0/24 -o br0 -j MASQUERADE
-A VSERVER -j VUPNP
-A VSERVER -j LOCALSRV
-A VSERVER -j DNAT --to-destination 192.168.0.150
-A VUPNP -p udp -m udp --dport 55474 -j DNAT --to-destination 192.168.0.151:55474
COMMIT
# Completed on Tue Sep  5 22:56:33 2017
# Generated by iptables-save v1.4.12.2 on Tue Sep  5 22:56:33 2017
*mangle
:PREROUTING ACCEPT [6183:1720014]
:INPUT ACCEPT [1484:187526]
:FORWARD ACCEPT [4683:1531936]
:OUTPUT ACCEPT [1275:452913]
:POSTROUTING ACCEPT [5963:1988025]
:BWDPI_FILTER - [0:0]
-A PREROUTING -i eth0 -p udp -j BWDPI_FILTER
-A FORWARD -s 192.168.0.0/24 -d 192.168.0.0/24 -o br0 -j MARK --set-xmark 0x1/0x7
-A BWDPI_FILTER -i eth0 -p udp -m udp --sport 68 --dport 67 -j DROP
-A BWDPI_FILTER -i eth0 -p udp -m udp --sport 67 --dport 68 -j DROP
COMMIT
```

Completed on Tue Sep 5 22:56:33 2017

Generated by iptables-save v1.4.12.2 on Tue Sep 5 22:56:33 2017

*filter

:INPUT ACCEPT [0:0]

:FORWARD ACCEPT [29:1838]

:OUTPUT ACCEPT [196:64226]

:ACCESS_RESTRICTION - [0:0]

:FUPNP - [0:0]

:INPUT_ICMP - [0:0]

:PControls - [0:0]

:PTCSRVLAN - [0:0]

:PTCSRWWAN - [0:0]

:SECURITY - [0:0]

:default_block - [0:0]

:logaccept - [0:0]

:logdrop - [0:0]

-A INPUT -i eth0 -p icmp -m icmp --icmp-type 8 -j DROP

-A INPUT -m state --state RELATED,ESTABLISHED -j ACCEPT

-A INPUT -m state --state INVALID -j DROP

-A INPUT ! -i br0 -j PTCSRWWAN

-A INPUT -i br0 -j PTCSRVLAN

-A INPUT -i br0 -m state --state NEW -j ACCEPT

-A INPUT -i lo -m state --state NEW -j ACCEPT

-A INPUT -p udp -m udp --sport 67 --dport 68 -j ACCEPT

-A INPUT -p icmp -j INPUT_ICMP

-A INPUT -j DROP

-A FORWARD -m state --state RELATED,ESTABLISHED -j ACCEPT

-A FORWARD ! -i br0 -o eth0 -j DROP

-A FORWARD -m state --state INVALID -j DROP

-A FORWARD -i br0 -o br0 -j ACCEPT

-A FORWARD -m conntrack --ctstate DNAT -j ACCEPT

-A FUPNP -d 192.168.0.151/32 -p udp -m udp --dport 55474 -j ACCEPT

-A INPUT_ICMP -p icmp -m icmp --icmp-type 8 -j RETURN

-A INPUT_ICMP -p icmp -m icmp --icmp-type 13 -j RETURN

-A INPUT_ICMP -p icmp -j ACCEPT

-A PControls -j ACCEPT

-A SECURITY -d 192.168.0.150/32 -j RETURN

-A SECURITY -p tcp -m tcp --tcp-flags FIN,SYN,RST,ACK SYN -m limit --limit 1/sec -j RETURN

-A SECURITY -p tcp -m tcp --tcp-flags FIN,SYN,RST,ACK SYN -j DROP

-A SECURITY -p tcp -m tcp --tcp-flags FIN,SYN,RST,ACK RST -m limit --limit 1/sec -j RETURN

-A SECURITY -p tcp -m tcp --tcp-flags FIN,SYN,RST,ACK RST -j DROP

-A SECURITY -p icmp -m icmp --icmp-type 8 -m limit --limit 1/sec -j RETURN

-A SECURITY -p icmp -m icmp --icmp-type 8 -j DROP

```
-A SECURITY -j RETURN
-A logaccept -m state --state NEW -j LOG --log-prefix "ACCEPT " --log-tcp-sequence
--log-tcp-options --log-ip-options
-A logaccept -j ACCEPT
-A logdrop -m state --state NEW -j LOG --log-prefix "DROP " --log-tcp-sequence
--log-tcp-options --log-ip-options
-A logdrop -j DROP
COMMIT
# Completed on Tue Sep 5 22:56:33 2017
```

OEM FW with Moderate NAT in game BO3 on 2nd console:

```
admin@RT-AC3100:/tmp/home/root# iptables-save
```

```
# Generated by iptables-save v1.4.12.2 on Wed Sep  6 17:41:19 2017
```

```
*raw
```

```
:PREROUTING ACCEPT [23812:9302057]
```

```
:OUTPUT ACCEPT [5030:1565082]
```

```
COMMIT
```

```
# Completed on Wed Sep  6 17:41:19 2017
```

```
# Generated by iptables-save v1.4.12.2 on Wed Sep  6 17:41:19 2017
```

```
*nat
```

```
:PREROUTING ACCEPT [147:9283]
```

```
:INPUT ACCEPT [54:4226]
```

```
:OUTPUT ACCEPT [46:3226]
```

```
:POSTROUTING ACCEPT [46:3376]
```

```
:LOCALSRV - [0:0]
```

```
:PCREDIRECT - [0:0]
```

```
:VSERVER - [0:0]
```

```
:VUPNP - [0:0]
```

```
:YADNS - [0:0]
```

```
-A PREROUTING -d 96.19.9.11/32 -j VSERVER
```

```
-A POSTROUTING ! -s 96.19.9.11/32 -o eth0 -j MASQUERADE
```

```
-A POSTROUTING -s 192.168.0.0/24 -d 192.168.0.0/24 -o br0 -j MASQUERADE
```

```
-A VSERVER -j VUPNP
```

```
-A VSERVER -j LOCALSRV
```

```
-A VSERVER -j DNAT --to-destination 192.168.0.150
```

```
-A VUPNP -p udp -m udp --dport 3074 -j DNAT --to-destination 192.168.0.199:3074
```

```
-A VUPNP -p udp -m udp --dport 3075 -j DNAT --to-destination 192.168.0.199:3075
```

```
-A VUPNP -p tcp -m tcp --dport 8080 -j DNAT --to-destination 192.168.0.173:443
```

```
-A VUPNP -p udp -m udp --dport 56884 -j DNAT --to-destination 192.168.0.198:56884
```

```
COMMIT
```

```
# Completed on Wed Sep  6 17:41:19 2017
```

```
# Generated by iptables-save v1.4.12.2 on Wed Sep  6 17:41:19 2017
```

```
*mangle
```

```
:PREROUTING ACCEPT [15212:6543649]
```

```
:INPUT ACCEPT [2944:381869]
```

```
:FORWARD ACCEPT [12137:6152826]
```

```
:OUTPUT ACCEPT [2160:651591]
```

```
:POSTROUTING ACCEPT [14283:6803849]
```

```
:BWDPI_FILTER - [0:0]
```

```
-A PREROUTING -i eth0 -p udp -j BWDPI_FILTER
```

```
-A PREROUTING -i eth0 -p udp -j BWDPI_FILTER
```

```
-A FORWARD -s 192.168.0.0/24 -d 192.168.0.0/24 -o br0 -j MARK --set-xmark 0x1/0x7
```

```
-A BWDPI_FILTER -i eth0 -p udp -m udp --sport 68 --dport 67 -j DROP
```

```
-A BWDPI_FILTER -i eth0 -p udp -m udp --sport 67 --dport 68 -j DROP
COMMIT
# Completed on Wed Sep  6 17:41:19 2017
# Generated by iptables-save v1.4.12.2 on Wed Sep  6 17:41:19 2017
*filter
:INPUT ACCEPT [0:0]
:FORWARD ACCEPT [1400:1092241]
:OUTPUT ACCEPT [146:18134]
:ACCESS_RESTRICTION - [0:0]
:FUPNP - [0:0]
:INPUT_ICMP - [0:0]
:PControls - [0:0]
:PTCSRVLAN - [0:0]
:PTCSRWWAN - [0:0]
:SECURITY - [0:0]
:default_block - [0:0]
:logaccept - [0:0]
:logdrop - [0:0]
-A INPUT -i eth0 -p icmp -m icmp --icmp-type 8 -j DROP
-A INPUT -m state --state RELATED,ESTABLISHED -j ACCEPT
-A INPUT -m state --state INVALID -j DROP
-A INPUT ! -i br0 -j PTCSRWWAN
-A INPUT -i br0 -j PTCSRVLAN
-A INPUT -i br0 -m state --state NEW -j ACCEPT
-A INPUT -i lo -m state --state NEW -j ACCEPT
-A INPUT -p udp -m udp --sport 67 --dport 68 -j ACCEPT
-A INPUT -p icmp -j INPUT_ICMP
-A INPUT -j DROP
-A FORWARD -m state --state RELATED,ESTABLISHED -j ACCEPT
-A FORWARD ! -i br0 -o eth0 -j DROP
-A FORWARD -m state --state INVALID -j DROP
-A FORWARD -i br0 -o br0 -j ACCEPT
-A FORWARD -m conntrack --ctstate DNAT -j ACCEPT
-A FUPNP -d 192.168.0.199/32 -p udp -m udp --dport 3074 -j ACCEPT
-A FUPNP -d 192.168.0.199/32 -p udp -m udp --dport 3075 -j ACCEPT
-A FUPNP -d 192.168.0.173/32 -p tcp -m tcp --dport 443 -j ACCEPT
-A FUPNP -d 192.168.0.198/32 -p udp -m udp --dport 56884 -j ACCEPT
-A INPUT_ICMP -p icmp -m icmp --icmp-type 8 -j RETURN
-A INPUT_ICMP -p icmp -m icmp --icmp-type 13 -j RETURN
-A INPUT_ICMP -p icmp -j ACCEPT
-A PControls -j ACCEPT
-A SECURITY -d 192.168.0.150/32 -j RETURN
-A SECURITY -p tcp -m tcp --tcp-flags FIN,SYN,RST,ACK SYN -m limit --limit 1/sec -j RETURN
```



```
-A SECURITY -p tcp -m tcp --tcp-flags FIN,SYN,RST,ACK SYN -j DROP
-A SECURITY -p tcp -m tcp --tcp-flags FIN,SYN,RST,ACK RST -m limit --limit 1/sec -j RETURN
-A SECURITY -p tcp -m tcp --tcp-flags FIN,SYN,RST,ACK RST -j DROP
-A SECURITY -p icmp -m icmp --icmp-type 8 -m limit --limit 1/sec -j RETURN
-A SECURITY -p icmp -m icmp --icmp-type 8 -j DROP
-A SECURITY -j RETURN
-A logaccept -m state --state NEW -j LOG --log-prefix "ACCEPT " --log-tcp-sequence
--log-tcp-options --log-ip-options
-A logaccept -j ACCEPT
-A logdrop -m state --state NEW -j LOG --log-prefix "DROP " --log-tcp-sequence
--log-tcp-options --log-ip-options
-A logdrop -j DROP
COMMIT
# Completed on Wed Sep  6 17:41:19 2017
```