

shaper_start.sh

shaper_start.sh OS FreeBSD.

```
cp /usr/abills/misc/freebsd/shaper_start.sh /usr/local/etc/rc.d/
```

start [test]	
stop [test]	
test	10 .

rc.conf

abills_shaper_enable="YES"	. , shaper_start.sh. /etc/fw.conf
abills_shaper_if="em0"	(ng*)
abills_nas_id=""	
abills_ip_sessions=""	IP
abills_nat="EXTERNAL_IP:INTERNAL_IPS,INTERNAL_IPS2:NAT_IF"	NAT EXTERNAL_IP - IP . INTERNAL_IPS - , INTERNAL_IPS2 - , NAT_IF - . . . ;
abills_dhcp_shaper=""	IPoE . FreeRADIUS DHCP
abills_neg_deposit=""	
abills_portal_ip="me"	IP . me
abills_mikrotik_shaper=""	Mikrotik ,
abills_ipn_nas_id="1"	IPN
abills_ipn_if=""	IPN
abills_ipn_allow_ip=""	,
abills_squid_redirect="YES"	40- (ipfw table 40 list) IP 40-. : squid 2.6 : squid.conf http_port 192.168.0.1:3128 transparent

ng_car
ng_car abills/libexec/config.pl \$conf{ng_car}=1;

DUMMYNET
DUMMYNET abills/libexec/config.pl .

2

```
GW2_IF_IP="192.168.0.2" # IP
GW2_IP="192.168.0.1" # IP
GW2_REDIRECT_IPS="10.0.0.0/24" #
```

/etc/fw.conf /etc/rc.conf. /etc/fw.conf

```
firewall_type="/etc/fw.conf"
```

```
add 10 allow ip from any to 10.0.0.1 via em0  
add 12 allow ip from 10.0.0.1 to any via em0
```

NAT

NAT ([FreeBSD](#))

```
options          IPFIREWALL_NAT
```

NAT

33	IP
34	IP

115	
116	

13	
----	--

/etc/rc.conf

```
abills_paysys_tmp_access="YES"
```

120	
121	

16	.
	UID

```
${IPFW} add 120 allow all from "table(16)" to any via ${IF}  
${IPFW} add 121 allow all from any to "table(16)" via ${IF}
```

