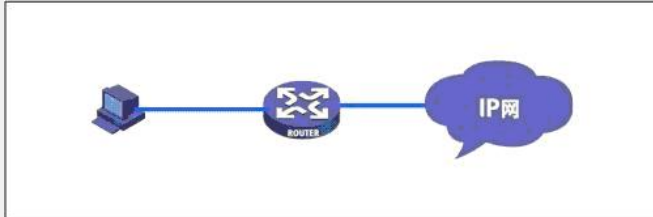# Configure firewall

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Configure firewall

Keywords：MSR;ACL;Firewall

1. Requirements:

The intranet address 192.168.1.0/25 is limited to access external networks, which can not access all web interfaces.

2. Network diagram:

3. Configuration steps:

Device and version：MSR series, version 5.20 and Beta 1202

RTA key configuration scripts

```
#
 //enable firewall
firewall enable
#
//configure firewall default filter method as permit
firewall default permit
#
//Configure DHCP Server ip-pool
 dhcp server ip-pool 1
 network 192.168.1.0 mask 255.255.255.0
 gateway-list 192.168.1.1
 dns-list 202.106.0.20 202.106.46.151
#
//Define ACL for NAT transfer
acl number 2000
rule 0 permit source 192.168.1.0 0.0.0.255
//Define ACL for package filter access control
 acl number 3005
rule 0 deny tcp source 192.168.1.22 0 destination-port eq www
rule 5 permit tcp source 192.168.1.22 0
#
//Define NAT transfer interface
interface Serial0/1
link-protocol ppp
ip address 219.143.125.234 255.255.255.252
nat outbound 2000
#
//Filter inbound flow
interface Ethernet0/1
port link-mode route
ip address 192.168.1.1 255.255.255.0
firewall packet-filter 3005 inbound
#
ip route-static 0.0.0.0 0.0.0.0 Serial0/1
#
```

4. Tips:

1. By default, the firewall is disabled (**firewall disable**). You can execute the **firewall l enable** command to enable it.