

# ?? USG6000E-S02 ????????

配置 USG6000E-S02 配置 WAN 口 DHCP 配置 NAT 配置

配置 WAN 口 DHCP 配置 IP 地址 interface  
配置 IP 地址

配置 CLI 配置

## 1. ????????

配置 LAN 口 IP 地址 Trust 配置 Untrust 配置

```
<Huawei> system-view
[Huawei] sysname FW1

# --- 配置 LAN 口 (接口 GE1/0/1) ---
[FW1] interface GigabitEthernet 1/0/1
[FW1-GigabitEthernet1/0/1] ip address 192.168.8.1 24
[FW1-GigabitEthernet1/0/1] service-manage all permit # 配置 Ping/SSH 权限
[FW1-GigabitEthernet1/0/1] quit

# --- 配置 WAN 口 (接口 GE1/0/0) ---
[FW1] interface GigabitEthernet 1/0/0
[FW1-GigabitEthernet1/0/0] ip address dhcp-alloc # 配置 DHCP 获取 IP
[FW1-GigabitEthernet1/0/0] quit

# --- 配置信任区域 ---
[FW1] firewall zone trust
[FW1-zone-trust] add interface GigabitEthernet 1/0/1
[FW1-zone-trust] quit

[FW1] firewall zone untrust
[FW1-zone-untrust] add interface GigabitEthernet 1/0/0
[FW1-zone-untrust] quit
```

## 2. ????????

XXXXXXXXXXXXXXXXXXXX

WAN IP DHCP XXXXXXXXXXXX

IP

XXXXXXXXXXXX

DHCP XXXXXXXXXXXX

```
[FW1] ip route-static 0.0.0.0 0.0.0.0 GigabitEthernet 1/0/0
```

### 3. ?? NAT Server (????)

XXXXXXXXXX

WAN IP XXXXXXXX

global interface XXXXXXXX

WAN

XXXXXX

IP 6011 XXXXXXXX

6011 XX

```
[FW1] interface GigabitEthernet 1/0/0
```

```
[FW1-GigabitEthernet1/0/0] nat server protocol tcp global interface GigabitEthernet 1/0/0 6011
inside 192.168.8.48 6011
```

```
[FW1-GigabitEthernet1/0/0] quit
```

### 4. ??????? (????)

XXXXXXXXXXXX

XX XXXXXXXXXXXX

UntrustXXXXXXXXXX

TrustXX

XXXXXXXXXXXXXXXXXXXX

IP (192.168.8.48)XXXXXXXXXX

NAT Server

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

```
[FW1] security-policy
```

```
[FW1-policy-security] rule name Allow_WAN_to_Server
```

```
[FW1-policy-security-rule-Allow_WAN_to_Server] source-zone untrust # XXXXXXXX
```

```
[FW1-policy-security-rule-Allow_WAN_to_Server] destination-zone trust # XXXXXXXX
```

```
[FW1-policy-security-rule-Allow_WAN_to_Server] destination-address 192.168.8.48 32 # XXXXXXXX
IP
```

```
[FW1-policy-security-rule-Allow_WAN_to_Server] service protocol tcp destination-port 6011 #
```

```
XXXXX
```

```
[FW1-policy-security-rule-Allow_WAN_to_Server] action permit # XXXXXXX
```

```
[FW1-policy-security-rule-Allow_WAN_to_Server] quit
```

```
[FW1-policy-security] quit
```

### 5. ?????

XXXXXXXXXXXXXXXXXXXX

```
[FW1] return
```

```
<FW1> save
```

# ? ???????

## 1. ?????

- **IP** `display ip interface brief` GE1/0/0  
IP 10.x.x.x 100.64.x.x IP  
IPv6
- 80, 443, 8080 6011

## 2. IP

- **NAT (NAT Loopback)**  
nat-policy 192.168.8.48:6011
- 192.168.8.48:6011

## 3. Web

- Web -> NAT > >
- - 
  - WAN (GE1/0/0)
  - TCP
  - 6011
  - IP 192.168.8.48
  - 6011
- " " "

USG6000E-S02 SSH VTY AAA

CLI Console Telnet

IP WAN

WAN DHCP IP nat server  
global interface IP (223.241.233.98)

NAT

# 1. ?? WAN ? IP ? DNS

WAN GigabitEthernet 1/0/0

```
<Huawei> system-view
[Huawei] interface GigabitEthernet 1/0/0
# DHCP
[Huawei-GigabitEthernet1/0/0] undo ip address dhcp-alloc
```

```
# 配置公网 IP 地址
[Huawei-GigabitEthernet1/0/0] ip address 223.241.233.98 255.255.255.0

# 配置 DNS (配置 DNS 服务器)
[Huawei-GigabitEthernet1/0/0] quit
[Huawei] dns resolve
[Huawei] dns server 61.132.163.68
```

## 2. ???????

配置静态路由

```
# 配置静态路由
[Huawei] undo ip route-static 0.0.0.0 0.0.0.0
[Huawei] ip route-static 0.0.0.0 0.0.0.0 223.241.233.1
```

## 3. ?? NAT Server (????)

配置 NAT Server 所需配置项: `interface` 接口名称, `ip-address` 公网 IP 地址

配置步骤:

1. 配置 WAN 接口
2. 配置 NAT Server
3. 配置公网 IP 地址

```
[Huawei] interface GigabitEthernet 1/0/0

# 配置 NAT Server (配置 NAT Server)
[Huawei-GigabitEthernet1/0/0] undo nat server protocol tcp global interface GigabitEthernet
1/0/0 6011 inside 192.168.8.48 6011

# 配置公网 IP 地址
[Huawei-GigabitEthernet1/0/0] nat server protocol tcp global 223.241.233.98 6011 inside
192.168.8.48 6011
[Huawei-GigabitEthernet1/0/0] quit
```

## 4. ???????



```
[Huawei-GigabitEthernet1/0/0] ip address 223.241.233.98 255.255.255.0
```

```
# 配置 DNS (配置 DNS)
```

```
[Huawei-GigabitEthernet1/0/0] quit
```

```
[Huawei] dns resolve
```

```
[Huawei] dns server 61.132.163.68
```

## 2. ???????

```
配置 IP 地址
```

```
# 配置静态路由
```

```
[Huawei] undo ip route-static 0.0.0.0 0.0.0.0
```

```
[Huawei] ip route-static 0.0.0.0 0.0.0.0 223.241.233.1
```

## 3. ?? NAT Server (????)

```
配置 IP 地址
```

```
IP 地址
```

```
interface 配置
```

```
ip-address 配置
```

```
配置
```

1. 配置 WAN 接口

2. 配置 NAT 服务器

3. 配置 IP 地址

```
[Huawei] interface GigabitEthernet 1/0/0
```

```
# 配置 NAT 服务器
```

```
[Huawei-GigabitEthernet1/0/0] undo nat server protocol tcp global interface GigabitEthernet 1/0/0 6011 inside 192.168.8.48 6011
```

```
# 配置 NAT 服务器 IP 地址
```

```
[Huawei-GigabitEthernet1/0/0] nat server protocol tcp global 223.241.233.98 6011 inside 192.168.8.48 6011
```

```
[Huawei-GigabitEthernet1/0/0] quit
```

## 4. ???????

```
配置 IP 地址
```

```
配置
```

```
[Huawei] display current-configuration | include rule.*Allow_WAN_to_Server
#  permit
```

## 5. ?????

```
[Huawei] return
<Huawei> save
```

## ? ??????

配置项	配置值	说明
WAN IP	223.241.233.98 / 24	公网 IP 地址
公网 IP	223.241.233.1	公网 IP 地址
DNS	61.132.163.68	公网 DNS 地址
NAT	223.241.233.98:6011 -> 192.168.8.48:6011	NAT 映射规则

```
telnet 223.241.233.98 6011
```

## ?? ??????

### 1. ???? RSA ???

```
SSH
```

```
<Huawei> system-view
[Huawei] rsa local-key-pair create
# 2048
#
```

### 2. ?? SSH ????? VTY ????

```
SSH
```

```
[Huawei] stelnet server enable # 配置 Secure Telnet (SSH) 服务
[Huawei] user-interface vty 0 4 # 配置 VTY 用户界面
[Huawei-ui-vty0-4] authentication-mode aaa # 配置 AAA 认证模式
[Huawei-ui-vty0-4] protocol inbound ssh # 配置 SSH 协议，禁用 Telnet
[Huawei-ui-vty0-4] user privilege level 15 # 配置用户特权级别
[Huawei-ui-vty0-4] quit
```

### 3. 配置 AAA 认证和 SSH 服务

配置 AAA 认证和 SSH 服务

```
[Huawei] aaa # 配置 AAA 认证
[Huawei-aaa] manager-user sshadmin # 配置本地用户 sshadmin
[Huawei-aaa-manager-user-sshadmin] password cipher YourPassword@123 # 配置密码
[Huawei-aaa-manager-user-sshadmin] service-type ssh # 配置服务类型
[Huawei-aaa-manager-user-sshadmin] level 15 # 配置特权级别
[Huawei-aaa-manager-user-sshadmin] quit
[Huawei-aaa] quit
```

### 4. 配置 SSH 服务

配置 SSH 服务

```
[Huawei] return
<Huawei> save
```

### 配置 SSH 服务并验证

配置 SSH 服务并验证

- 配置 SSH 服务并验证

```
[Huawei] interface GigabitEthernet 0/0/0
[Huawei-GigabitEthernet0/0/0] service-manage ssh permit
[Huawei-GigabitEthernet0/0/0] quit
```

- 配置 (Security Policy) 并验证

```
[Huawei] security-policy
[Huawei-policy-security] rule name Allow_SSH_Local
[Huawei-policy-security-rule-Allow_SSH_Local] source-zone trust      #
[ ]
[Huawei-policy-security-rule-Allow_SSH_Local] destination-zone local # [ ] local
[ ]
[Huawei-policy-security-rule-Allow_SSH_Local] service ssh           # [ ] ssh
[Huawei-policy-security-rule-Allow_SSH_Local] action permit         # [ ]
[Huawei-policy-security-rule-Allow_SSH_Local] quit
```

? ?????

[ ]

Putty [ ] Xshell [ ]

CMD [ ]

- [ ] : ssh sshadmin@[ ]IP[ ]>
- [ ] : [ ] 22
- [ ] : [ ] [YourPassword@123](#)
- {

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