

RG-INC Intent Network Commander

RG-ONC RG-INC

RG-INC-PRO-WLAN

RG-INC

INC-WLAN

INC-WLAN

INC-WLAN



- 1 PC
- 2 RG-INC-PRO
- 3 ubuntu-22.04.3-live-server-amd64.iso
- 4 **RG-INC-PRO_1.52_Build20240722** RG-INC-PRO

- 1 Ubuntu
- 2 Ubuntu INC
- 3 INC

RG-INC-PRO

<https://www.ruijie.com.cn/fw/rj-cp-inc/>



RG-INC-PRO-Base

RG-INC

RG-INC-PRO-WLAN-NMC

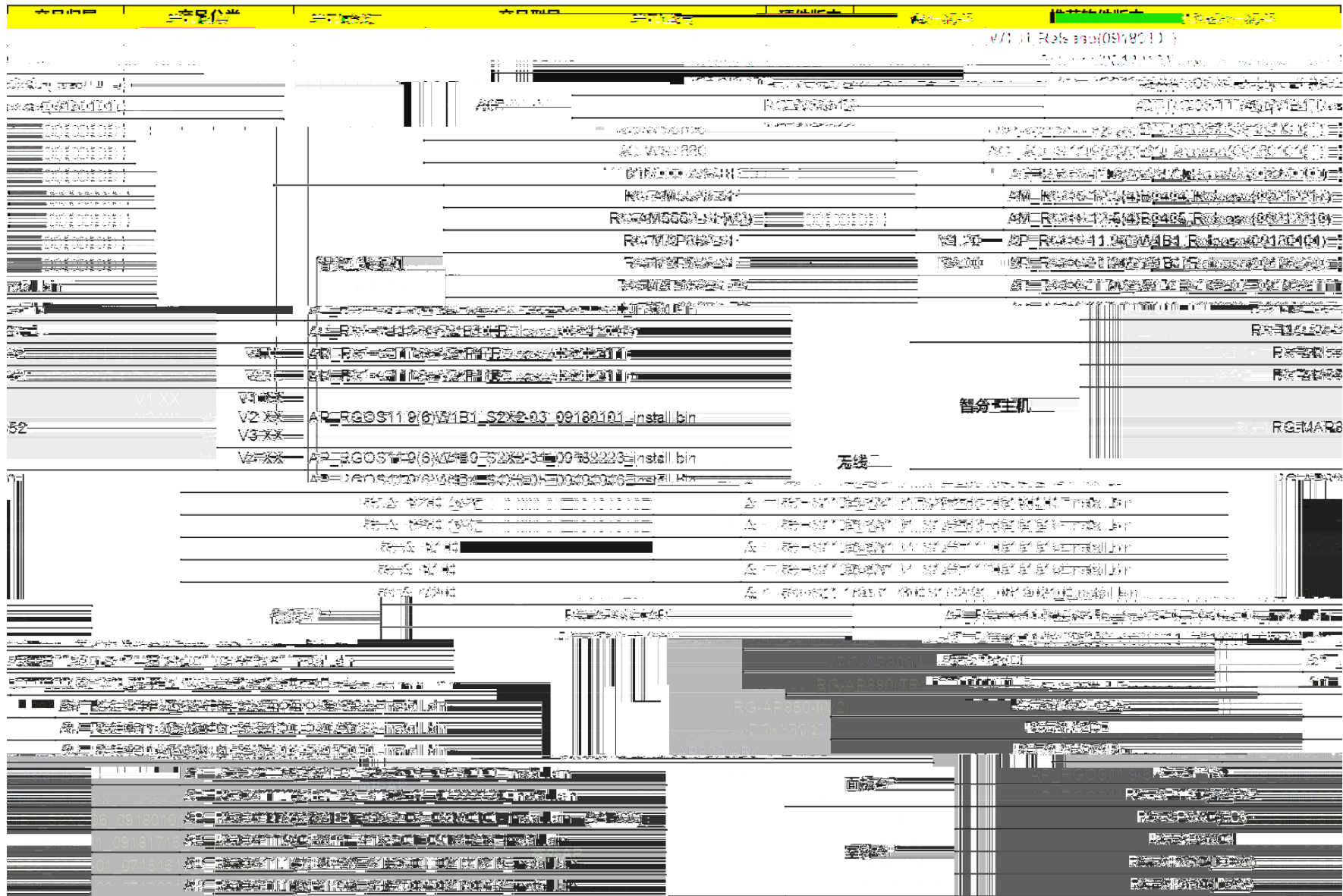
RG-INC

RG-INC-PRO-WLAN-DEVICE-50

RG-INC

License

License



AC

```
Ruijie#conf
```

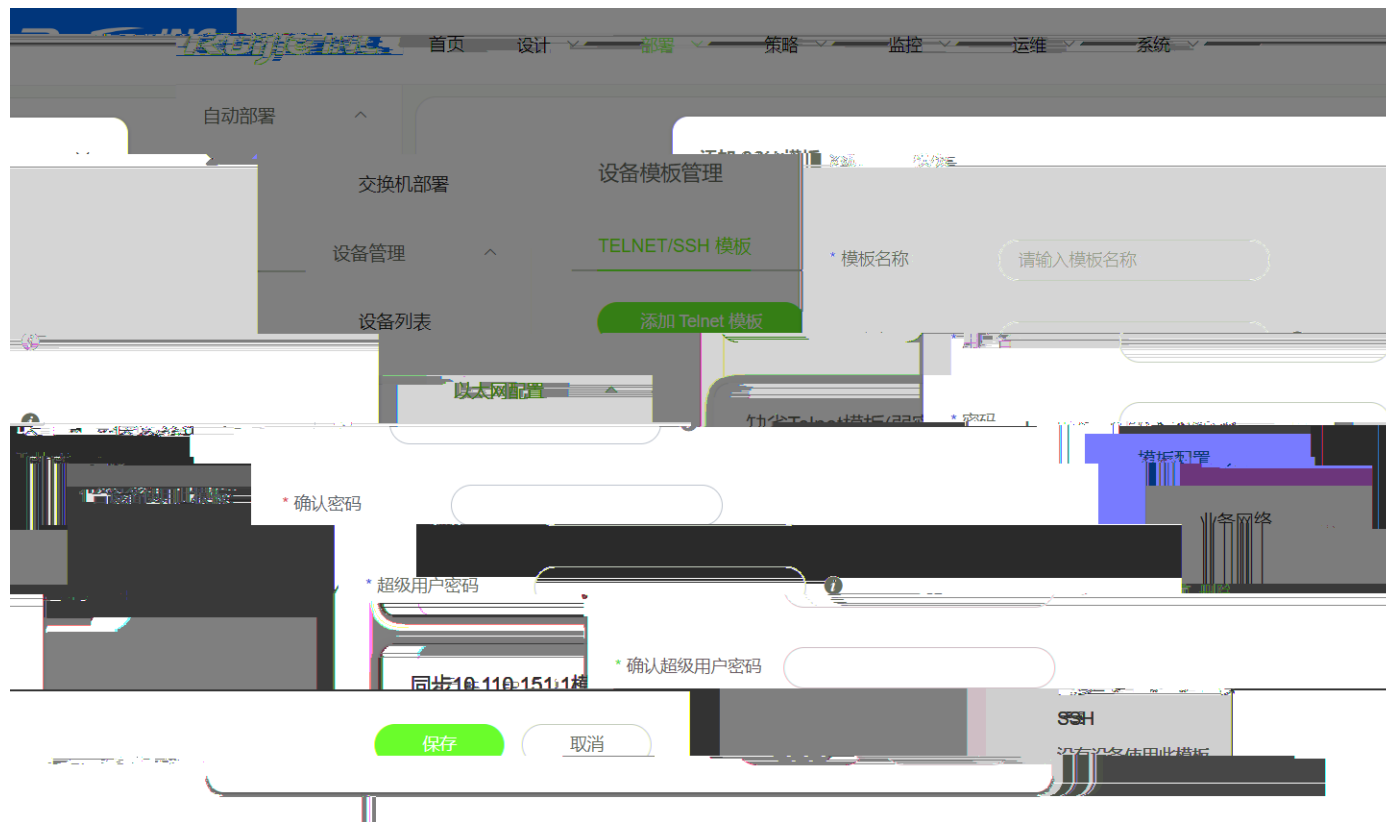
```
Ruijie(config)#inc-config grpc-config INC-IP 30001
```

```
Ruijie(config)#enable service ssh-server
```

```
Ruijie(config)#line vty 0 4
```

INC

TELNET/SSH

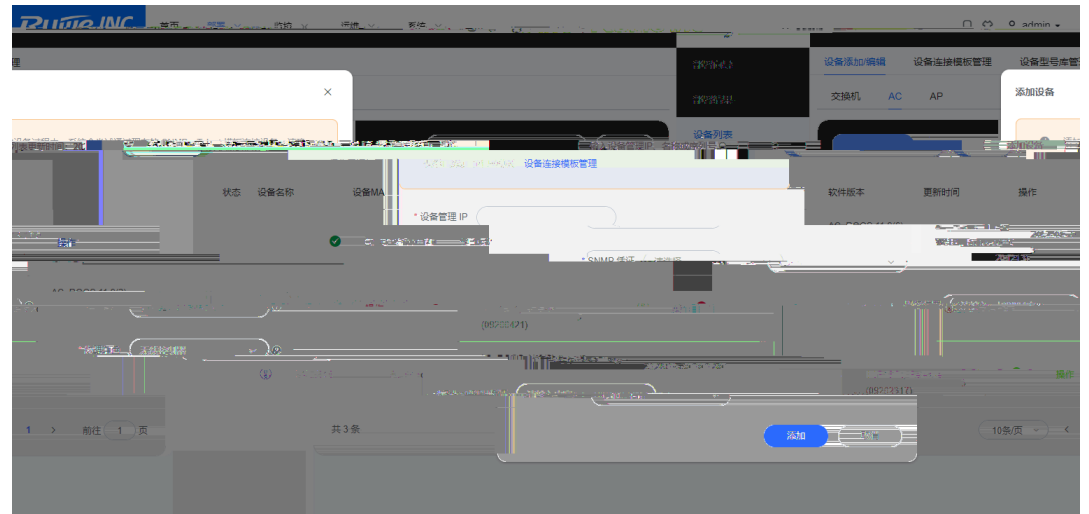
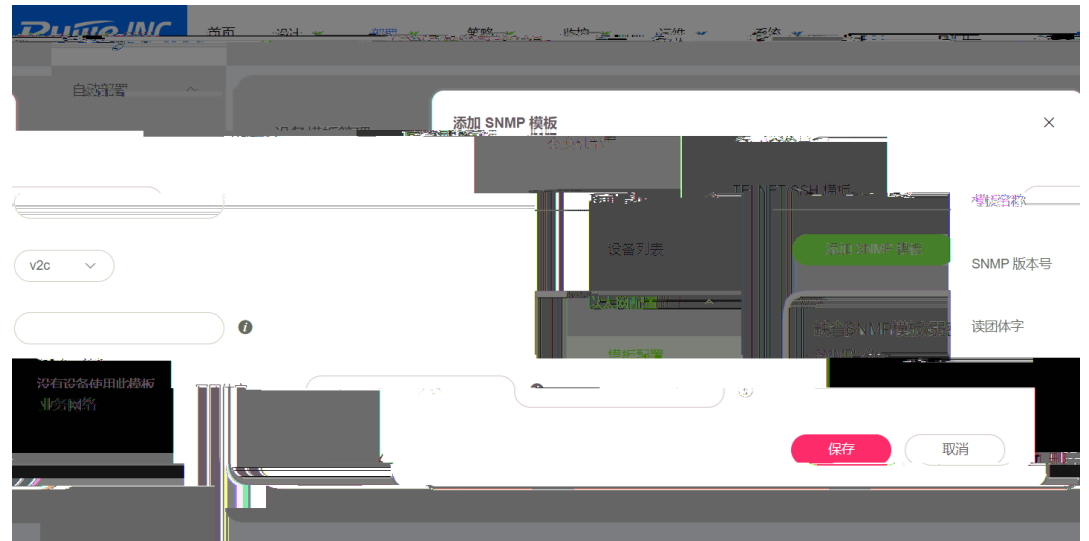




- - - SNMP

AC

IP - SNMP - Telnet/SSH



AC

GRPC

AP

GRPC

Ruijie(config)# grpc

Ruijie(config-grpc)# subscription 1

Ruijie(config-grpc-subscription)# sensor-group 1 sample-interval 300000 // AC

Ruijie(config-grpc-subscription)# sensor-group 2 sample-interval 300000 // AC

Ruijie(config-grpc-subscription)# sensor-group 3 sample-interval 120000 // AP 30

Ruijie(config-grpc-subscription)# sensor-group 4 sample-interval 1800000 // 30

Ruijie(config-grpc-subscription)# sensor-group 5 sample-interval 60000 // 30

Ruijie(config-grpc-subscription)# sensor-group 6 sample-interval 1800000 // AP AP

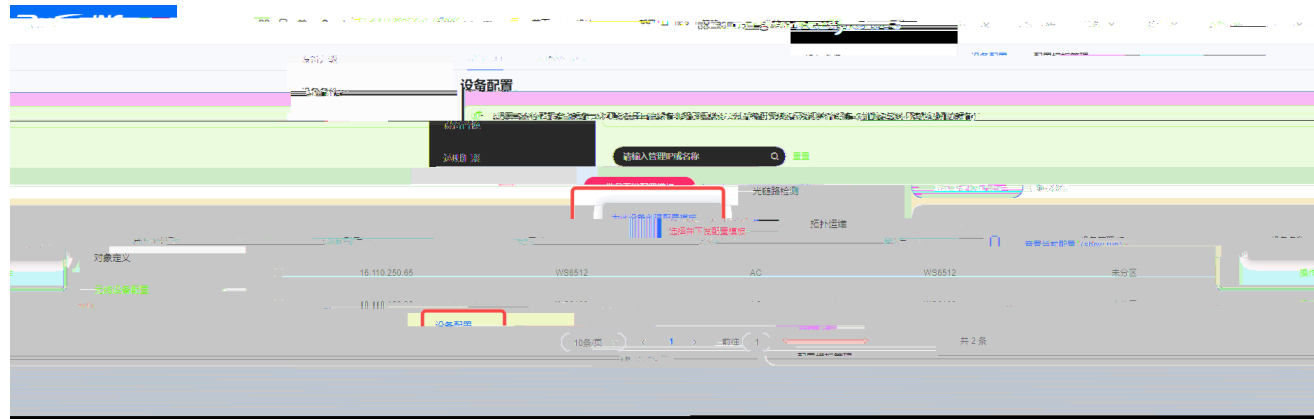
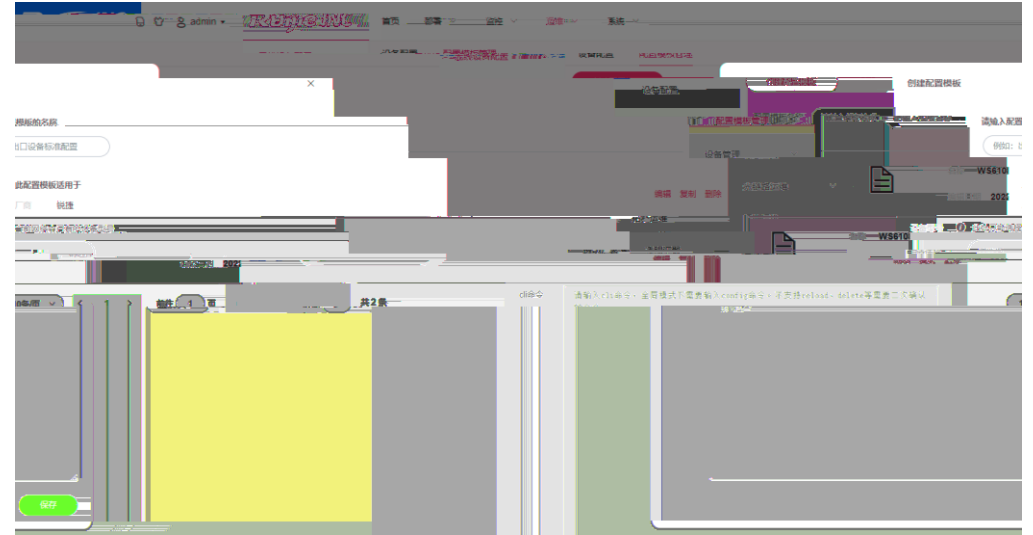
Ruijie(config-grpc-subscription)# sensor-group 7

Ruijie(config-grpc-subscription)# destination-group 1

Ruijie(config-grpc-subscription)# exit-grpc-subscription



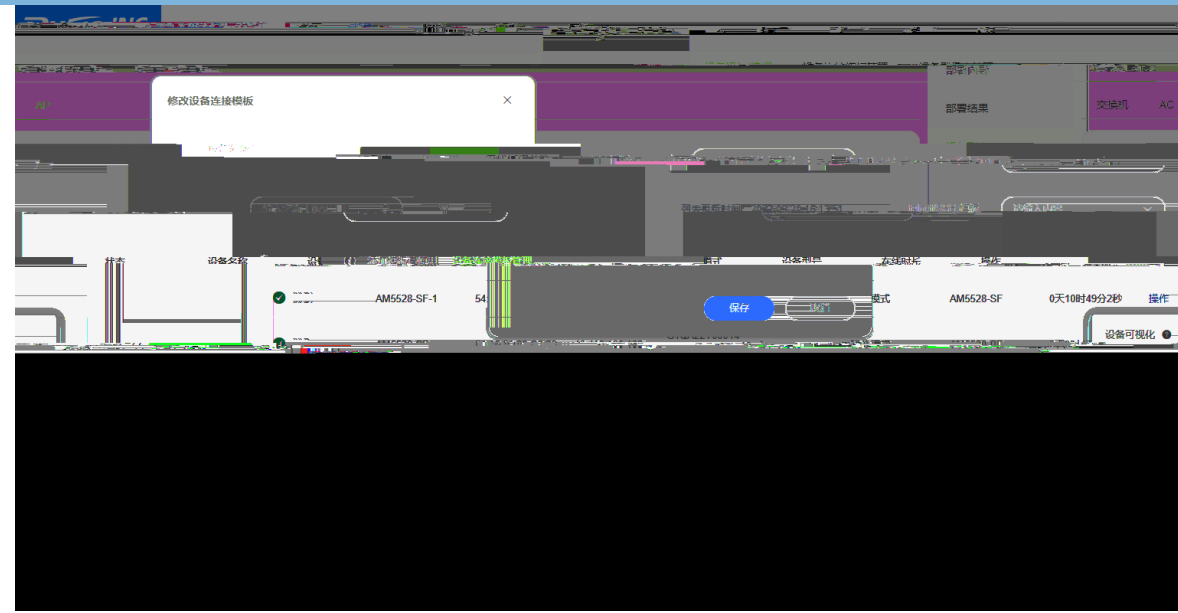
cli



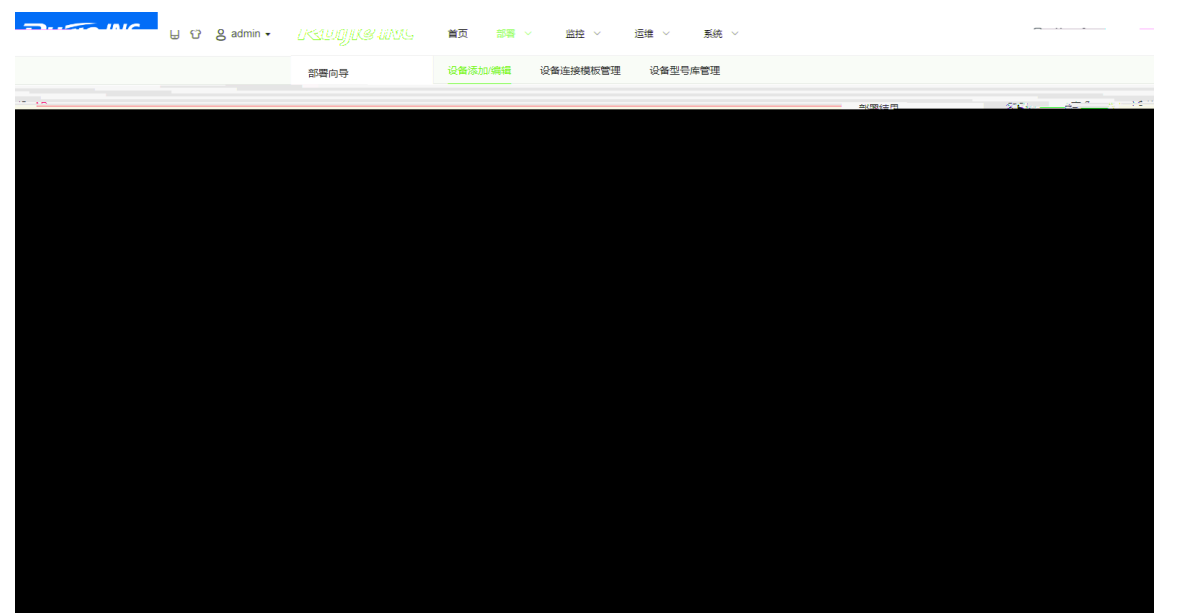


+ - - / - AP -

SNMP Telnet/SSH

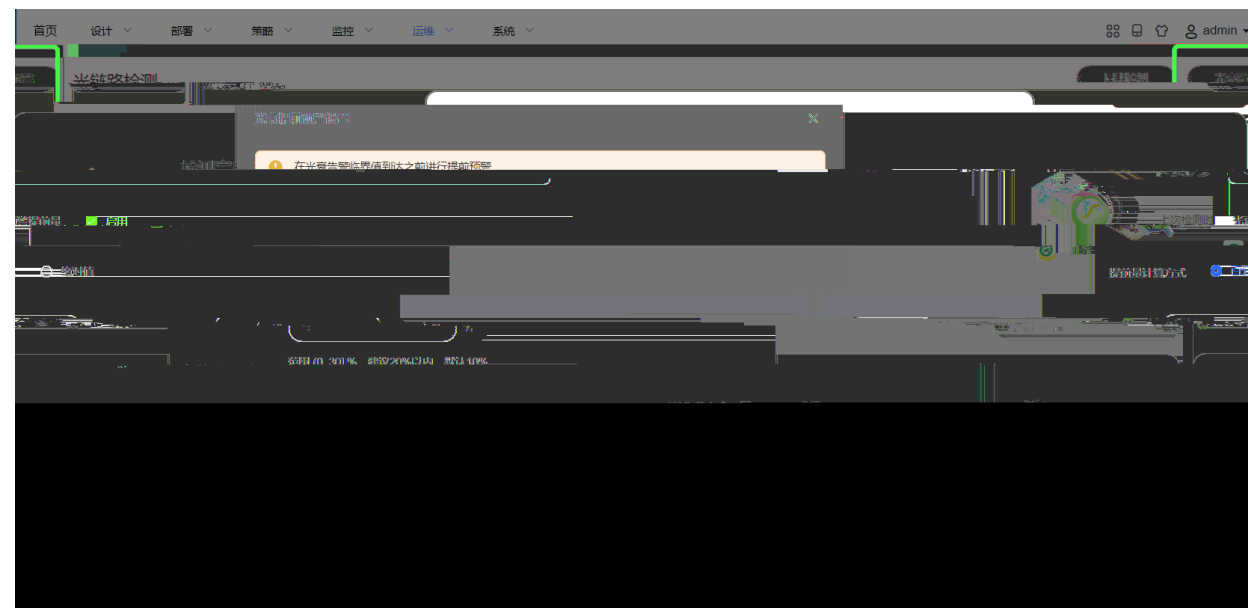
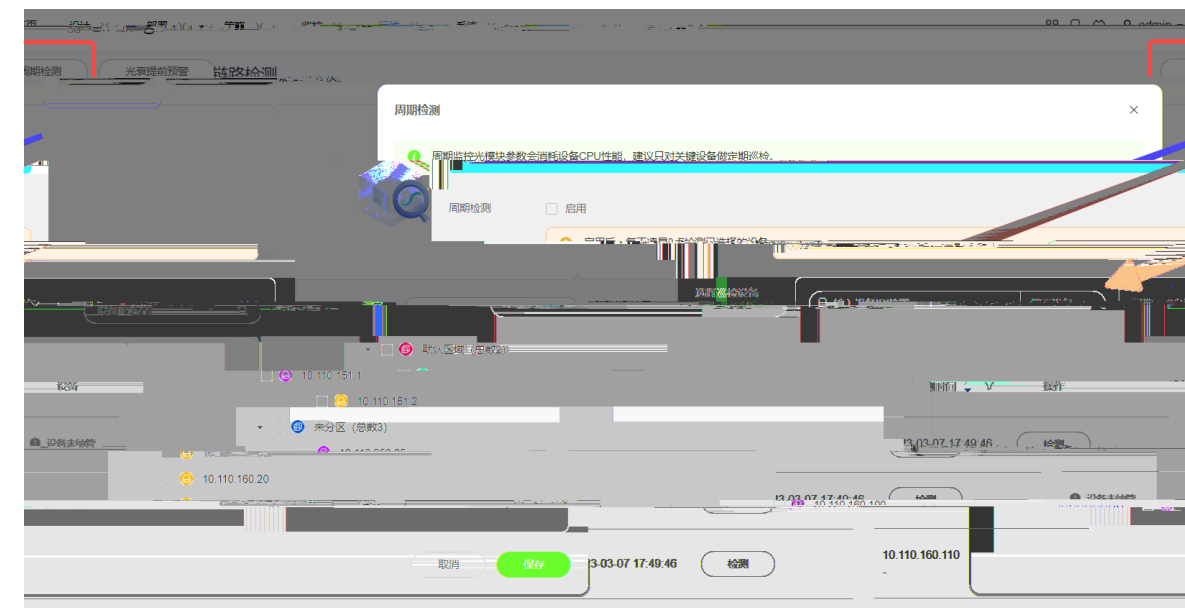


+ - - / - AP -









AP

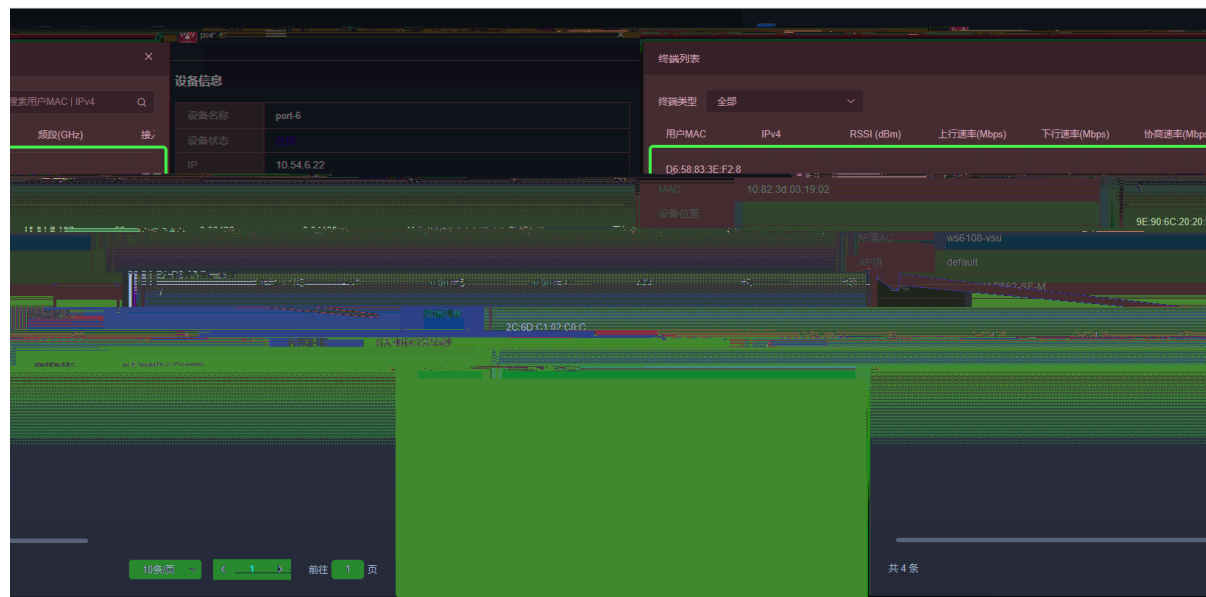
AC/AM/AP



AP " " AP



AP



AP



1 show service // AC

SNMP SSH

```
WS6108(config)#show service
web-server : enabled
web-server(https): enabled
snmp-agent : enabled
telnet-server : enabled
WS6108(config)#
```

```
WS6108(config)#show service
web-server : enabled
web-server(https): enabled
snmp-agent : enabled
telnet-server : enabled
```

2 show run | in snmp // AC snmp

INC

```
snmp-server community ruijie@123 rw
```

3 show run | in snmp // AC snmp

INC

1 AC AC AC_RGOS 11.9(6)W2B1

2 show run | in inc // AC AC INC

```
WS6108(config)#show run | in inc  
inc-config grpc-config 10.110.151.120 30001
```

3 GRPC AC INC

```
destination group 1:  
state: READY  
task list count: 0  
task drop count: 0  
send request count: 25553  
send update count: 25557  
recv response count: 25553  
destination: 10.110.151.121:30001  
state: READY  
task list count: 0  
task drop count: 0  
send request count: 25507  
send update count: 25511  
recv response count: 25505  
destination: 10.110.151.131:30001  
state: READY  
task list count: 0  
task drop count: 0  
send request count: 25552  
send update count: 25557  
recv response count: 25553  
destination: 10.110.151.139:30001  
state: TRANSIENT  
task list count:  
task drop count:  
send request count:  
send update count:  
recv response count:
```

GRPC transient_failuer

INC

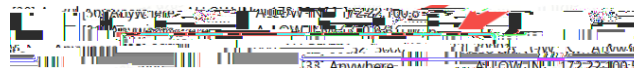
SSH

INC

sudo ufw status numbered

30001

sudo ufw allow 30001/tcp



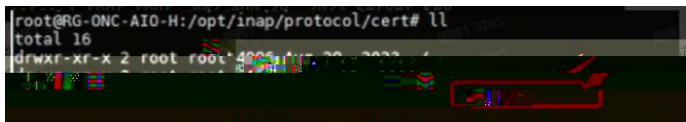
1

30001

GRPC

cd /opt/inap/protocol/cert/

server.crt



IP

INC-PRO

IP



INC-PRO

IP

cd /opt/inap/protocol/cert/

rm -rf server.crt //

rm -rf server.key //

docker restart `docker ps | grep protocol|awk '{print \$1}'` //

AC

show grpc gnmi subscription

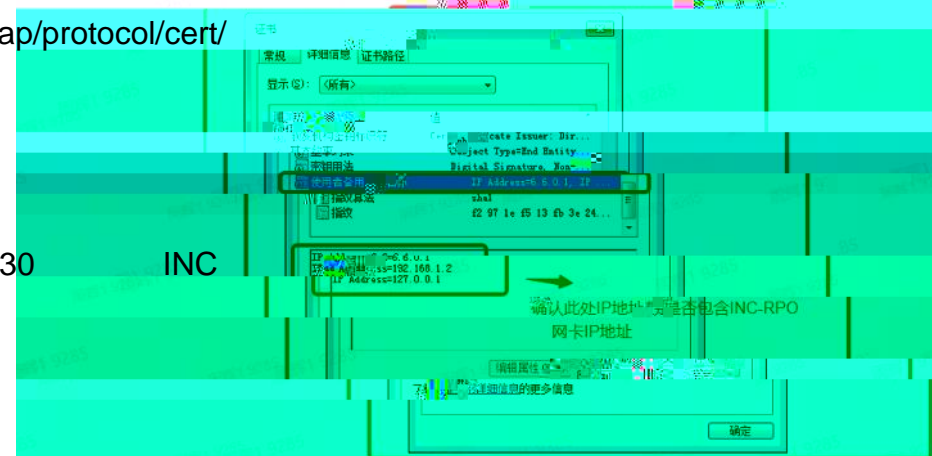
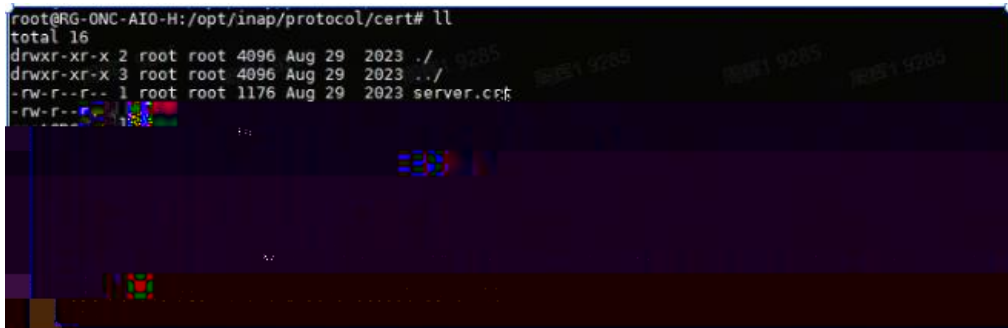
GRPC

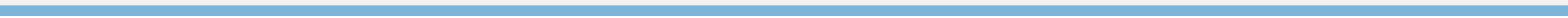
ready()

30

INC

AP AM





- 1 SSH INC
- 2 ifconfig
- 3 tcpdump -i ens3 -w /opt/20230217.pcap
tcpdump -i ens3 -w /opt/20230217_0.pcap

```
[root@localhost config]# ifconfig
docker0: flags=4099<UP, BROADCAST, MULTICAST> mtu 1500
    inet 172.17.0.1 netmask 255.255.0.0 broadcast 172.17.255.255
    inet6 fe80::42:7bff:feae:29e4 prefixlen 64 scopeid 0x20<link>
    ether 02:1b:ae:29:e4:29:0:0 (Ethernet)
    RX packets: 0 bytes 0 (0.0 B)
    TX: errors 0 dropped 0 overruns 0 frame 0
    flags: 0

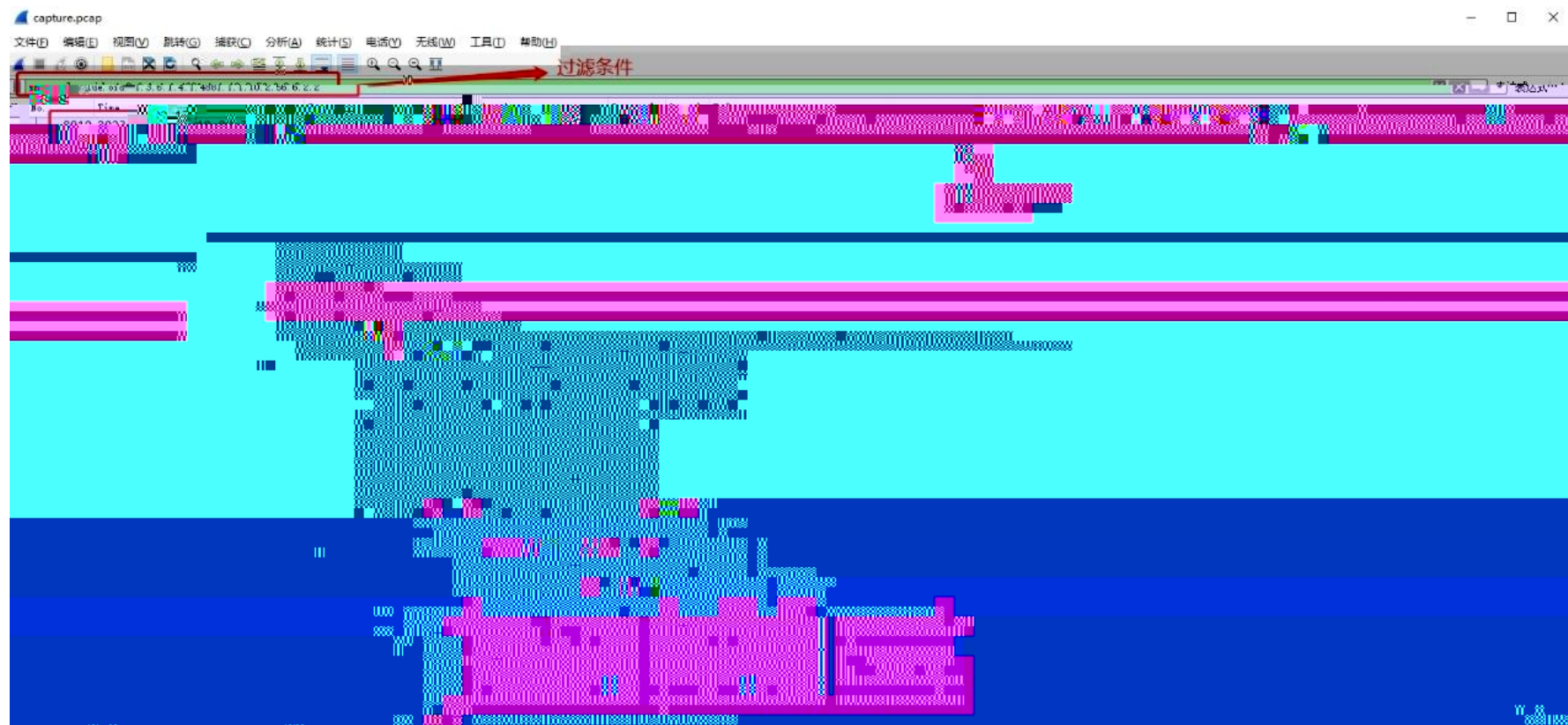
ens3: flags=4163<UP, BROADCAST, RUNNING, MULTICAST> mtu 1500
    inet 172.17.0.1 netmask 255.255.0.0 broadcast 172.17.255.255
    inet6 fe80::994:e3a9:11e4:7c87 prefixlen 64 scopeid 0x20<link>
    inet6 fe80::94e3:baad:1f3f:2677 prefixlen 64 scopeid 0x20<link>
    ether 00:09:2d:9a:30:00 (Ethernet)
    RX packets: 6695473 bytes 93262729119 (86.8 GiB)
    TX: packets: 12002839 bytes 3746206950 (3.4 GiB)
    flags: 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP, LOOPBACK, RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    prefixlen 128 scopeid 0x10<host>
    inet6 ::1 prefixlen 128 scopeid 0x01<host>
    ether 00:00:00:00:00:00 (Local Loopback)
    RX packets: 4598939469 bytes 2301346512619 (2.0 TiB)
    TX: packets: 4598939469 bytes 2301346512619 (2.0 TiB)
    flags: 0 overruns 0 carrier 0 collisions 0
```

网卡名称

服务器IP

snmp.value.oid==1.3.6.1.4.1.4881.1.1.10.2.56.6.2.2



INC-WLAN

INC AC

INC-WLAN

INC-WLAN

THANKS

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100036

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