



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

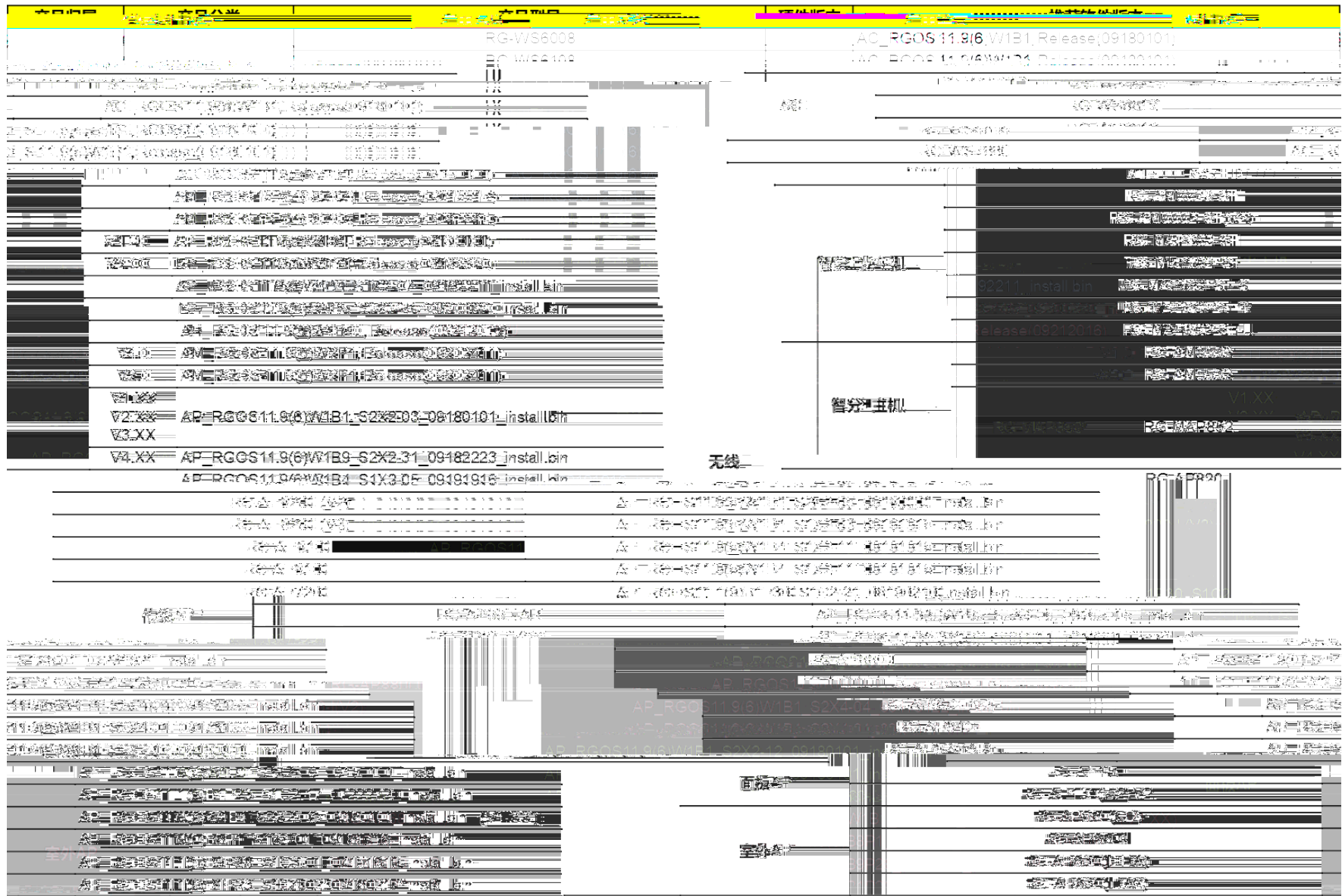
RG-INC-PRO-WLAN-NMC

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

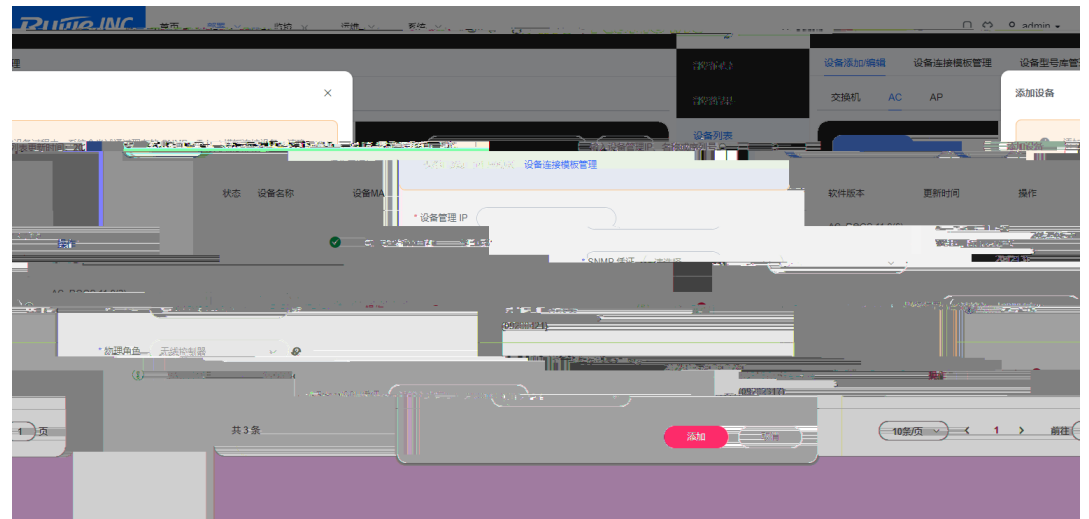
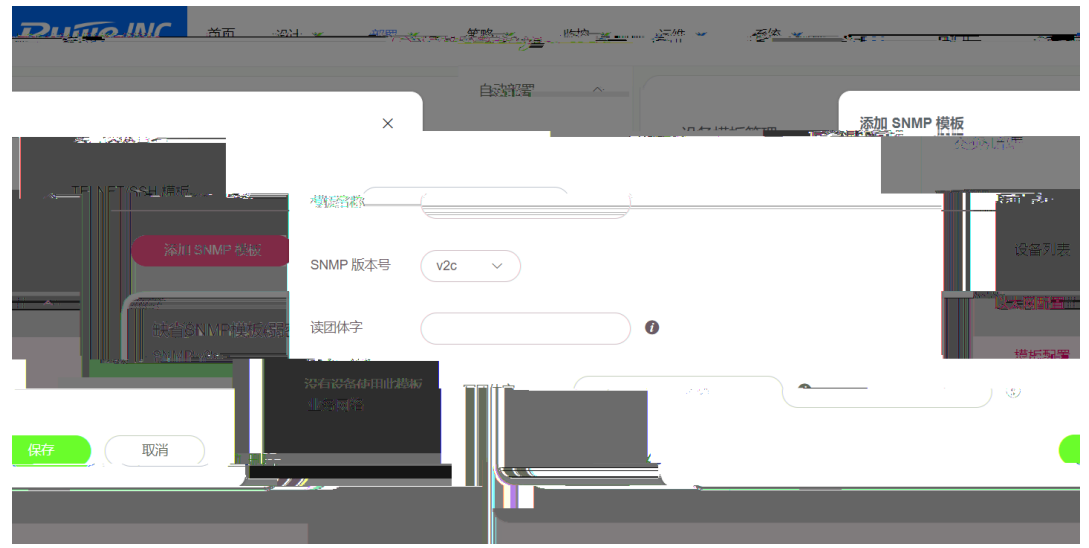




- - - SNMP

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

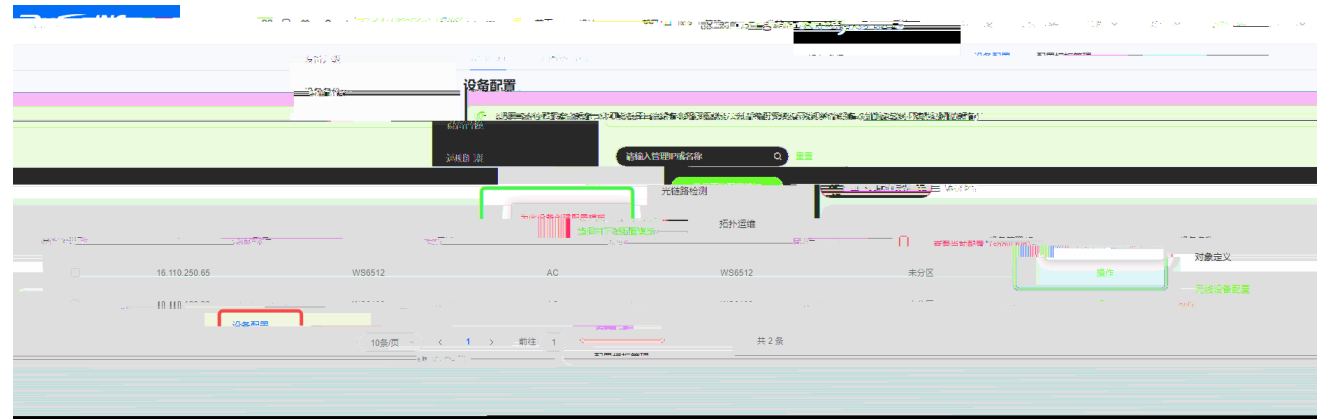
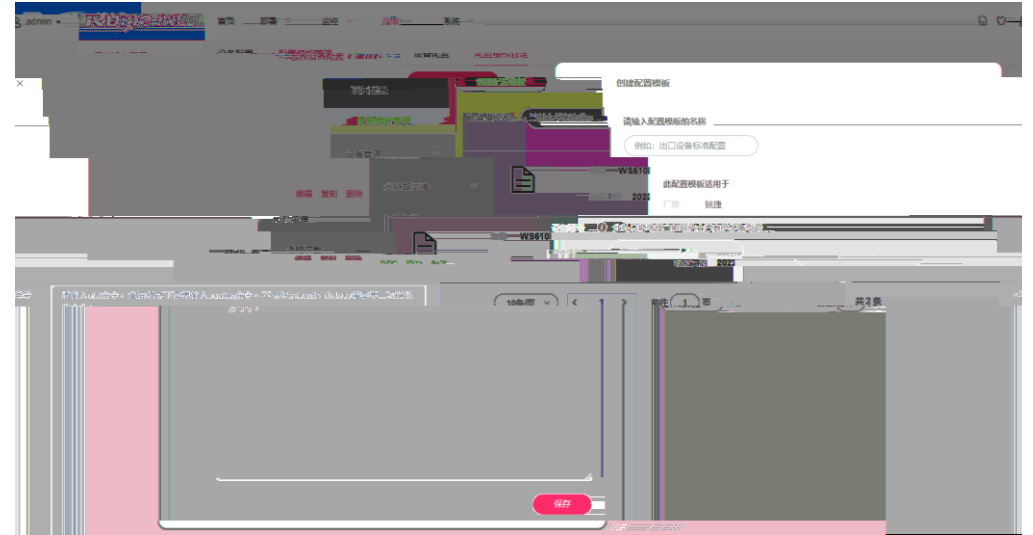
Ruijie(config-grpc-subscription)# sensor-group 7

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

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



cli

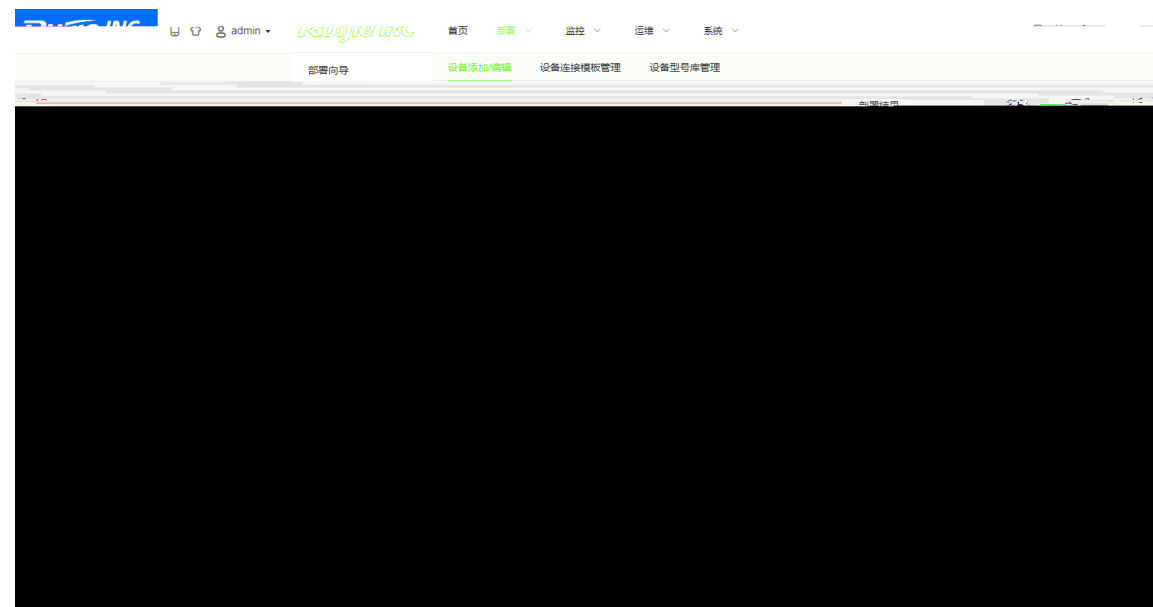
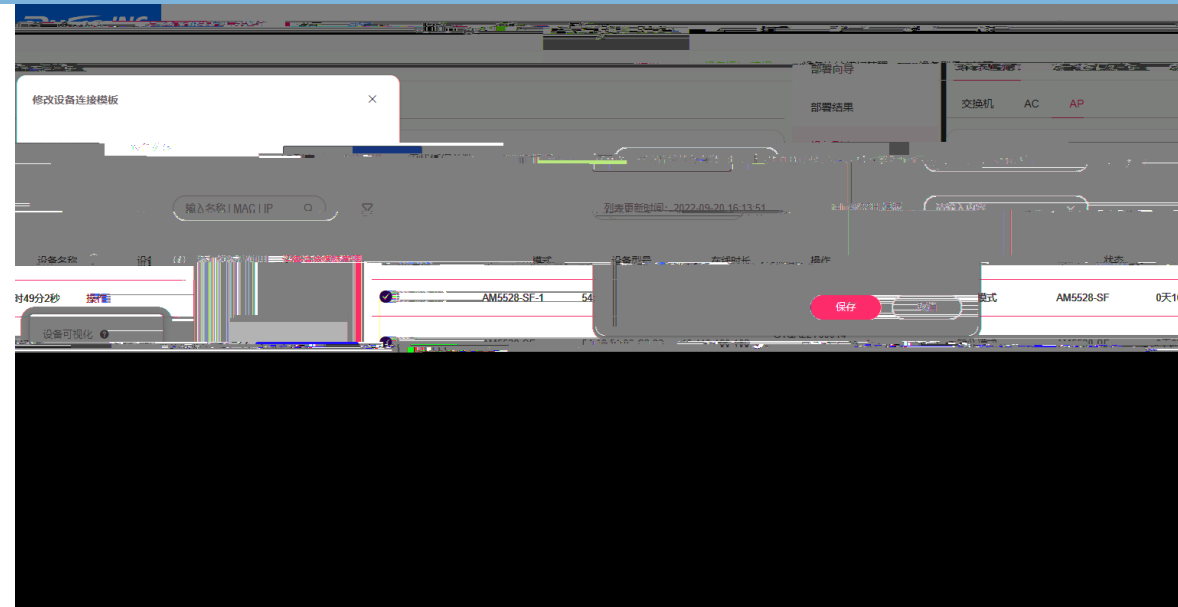


+ - - / - AP -

SNMP

Telnet/SSH

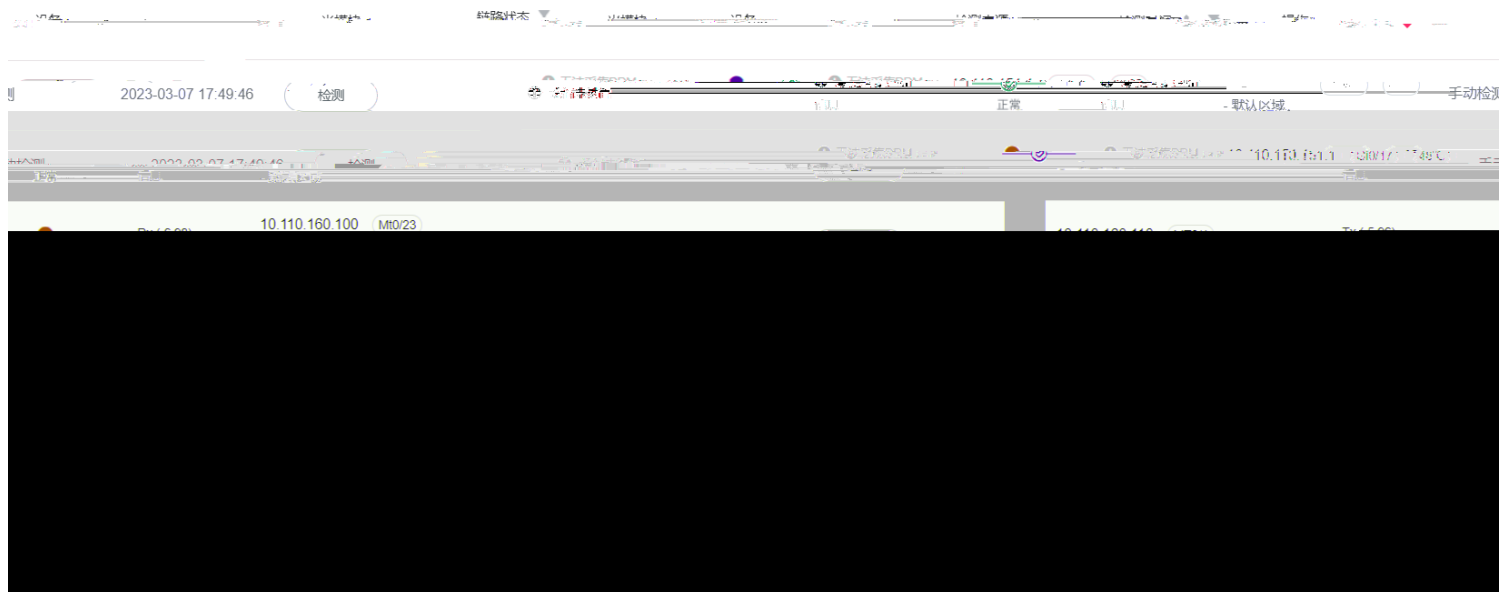
+ - - / - AP -

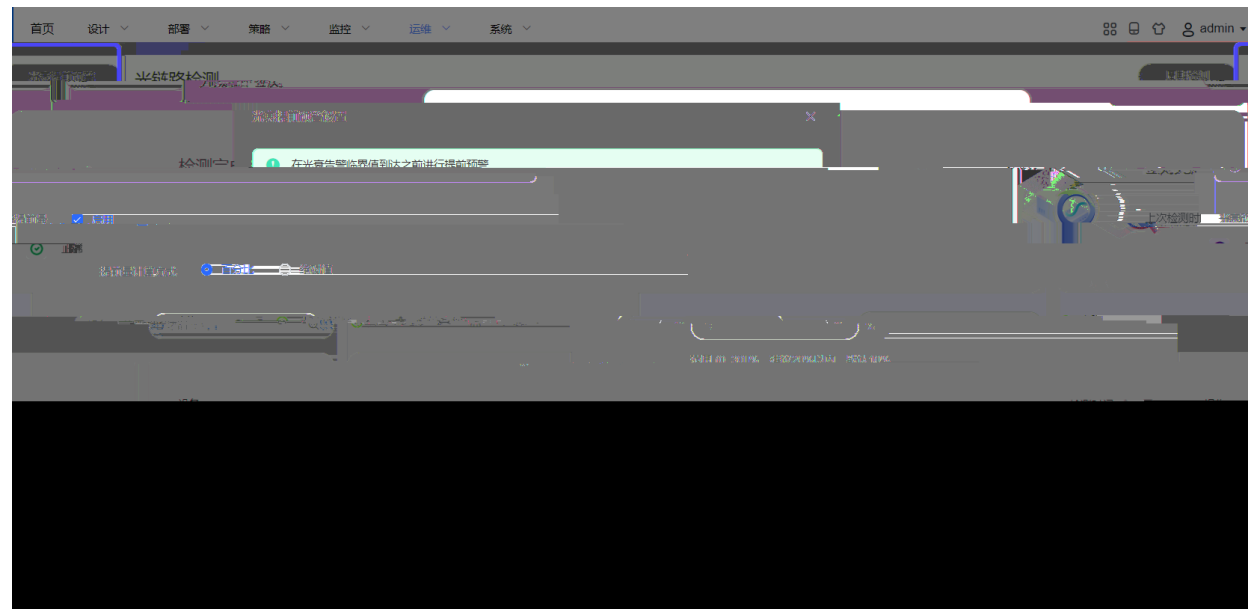
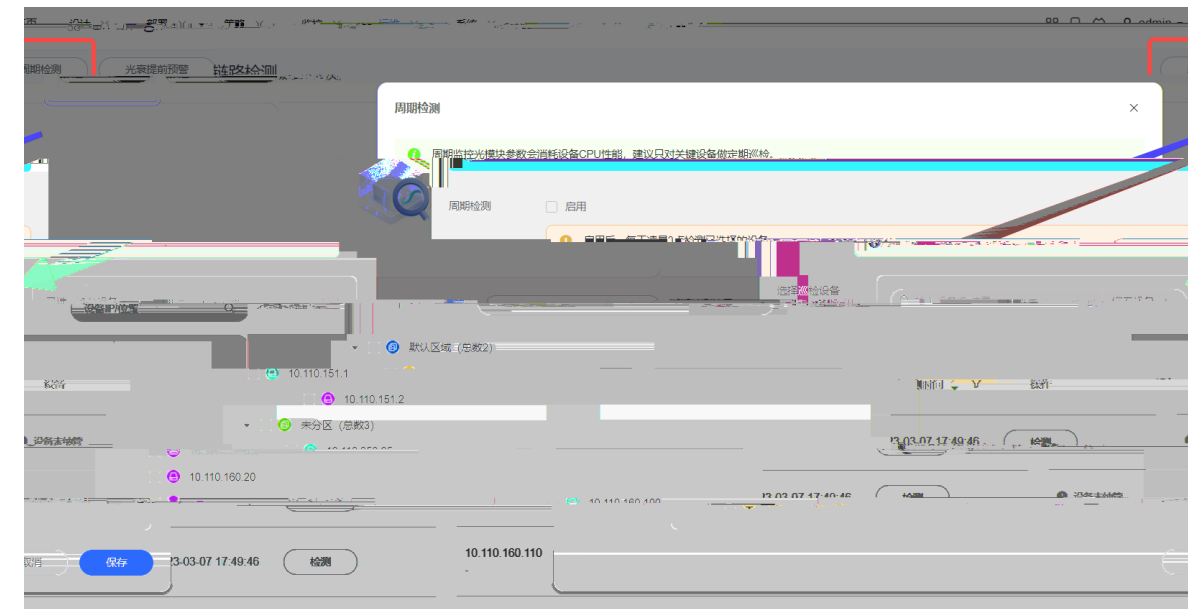




光链路检测







AP

AC/AM/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:  
.....  
send update count: 25217  
recv response count: 25202  
destination: 10.110.151.121:30001  
state: READY  
task list count: 0  
task drop count: 0  
send request count: 25553  
send update count: 25557  
recv response count: 25553  
destination: 10.110.151.130:30001  
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 update count: 25557  
recv response count: 25553  
destination: 10.110.151.139:30001  
state: TRANSIENT-FAILURE  
task list count: 0  
.....  
send update count: 0  
recv response count: 0
```

GRPC transient_failuer

INC

SSH

INC

sudo ufw status numbered

30001

sudo ufw allow 30001/tcp

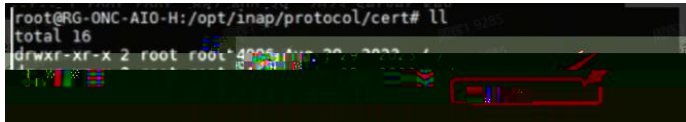
1

30001

GRPC

cd /opt/inap/protocol/cert/

server.crt



IP

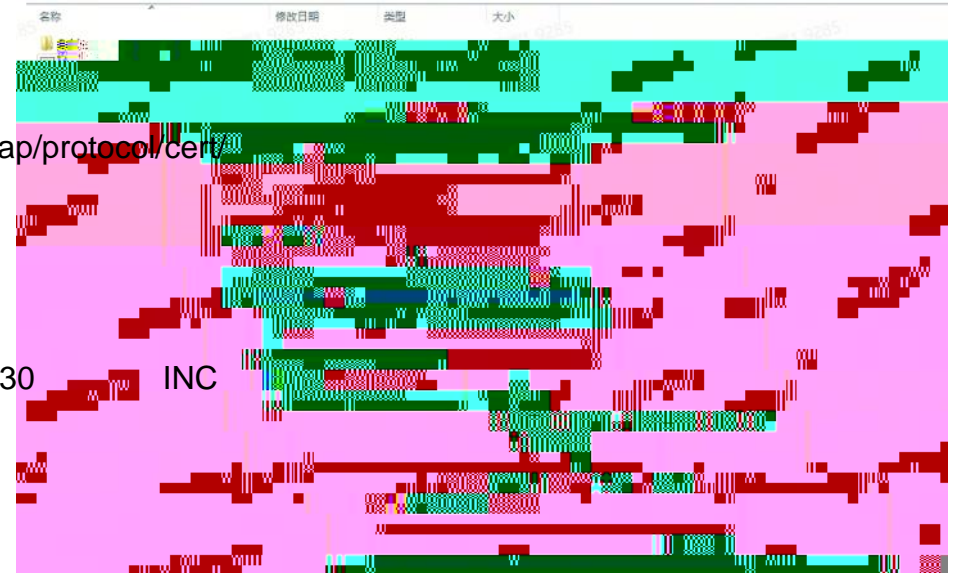
INC-PRO

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

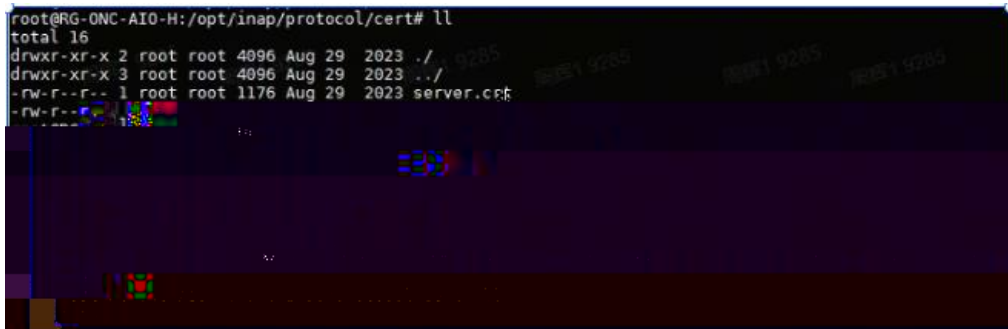
GRPC

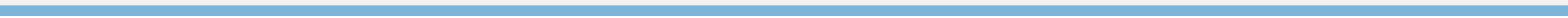
ready()

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 02:17:0d:42:7b:fe type=Veth
    RX packets:0 bytes:0 (0.0 KiB)
    TX errors:0 dropped:0 overruns:0 frame 0
    collisions:0

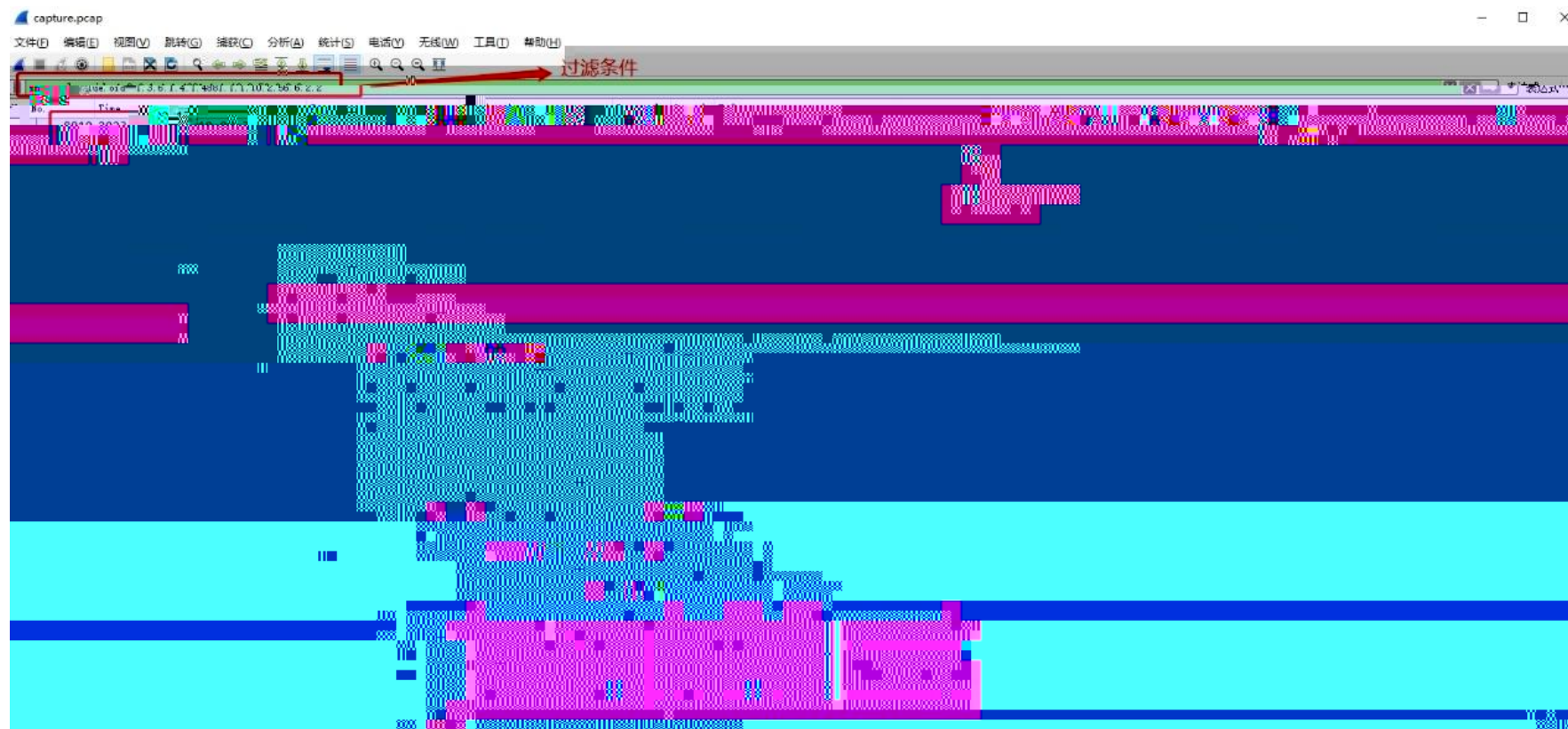
ens3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.10.10.10 netmask 255.255.255.0 broadcast 10.10.10.100
    ether 08:00:27:00:00:00 type=Virtual Ethern
    RX packets:86954773 bytes:9326129110 (86.8 GiB)
    TX packets:12003339 bytes:8746369567 (8.1 GiB)
    TX errors:0 dropped:0 overruns:0 carrier:0 collisions:0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop: txqueuelen 1000 (Local Loopback)
    RX packets 4598939469 bytes 2301346512619 (2.0 TiB)
    TX packets 4598939469 bytes 2301346512619 (2.0 TiB)
```

网卡名称

网卡名称

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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