

SBC Troubleshooting



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Foreword



- This course is mainly:
 - Guide Solutions for Call Voice Related Issues
 - Guide Problems & Solutions for Calling
 - Guide Problems & Solutions for Register

Course Objective





How To Solve The Problem Of Registration Failure

Through this course you will be able to



How To Solve The Problem Of Call Failure



How To Solve Call Voice Related Issues

Contents



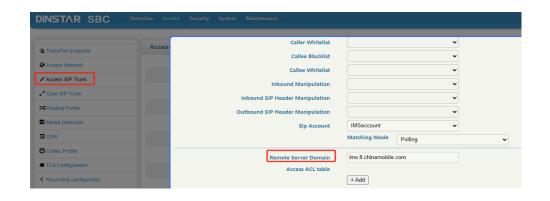
- Chapter One Solution to Registration Failure
 - 2 Chapter Two Solution to Call Failure
- 3 Chapter Three Solution to Call Voice Related Issues

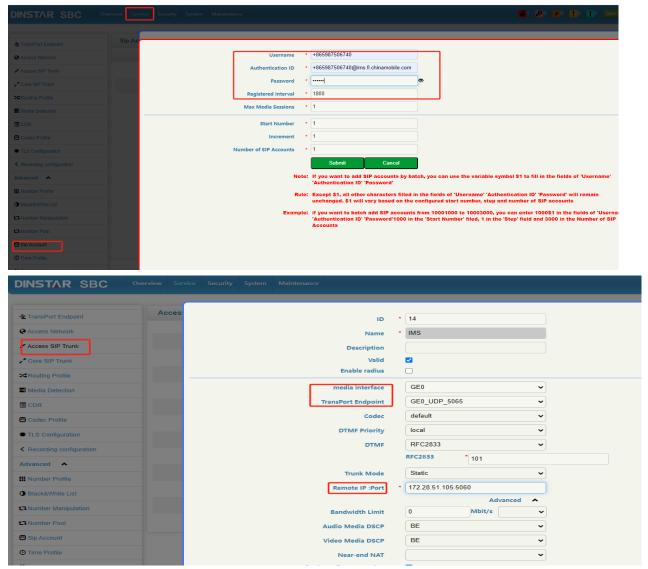
Chapter One Solution to Registration Failure 01





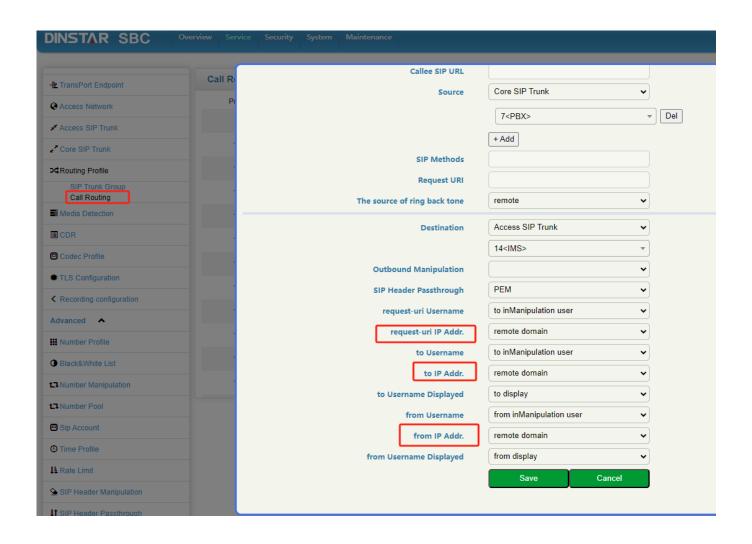
- View Configuration
- SIP account: check the username, authentication ID, and password are correct, with expire time of 1800s or 3600s
- 2. Access SIP Trunk: Check the configuration of media interface. TransPort Endpoint. the remote IP and the remote server domain







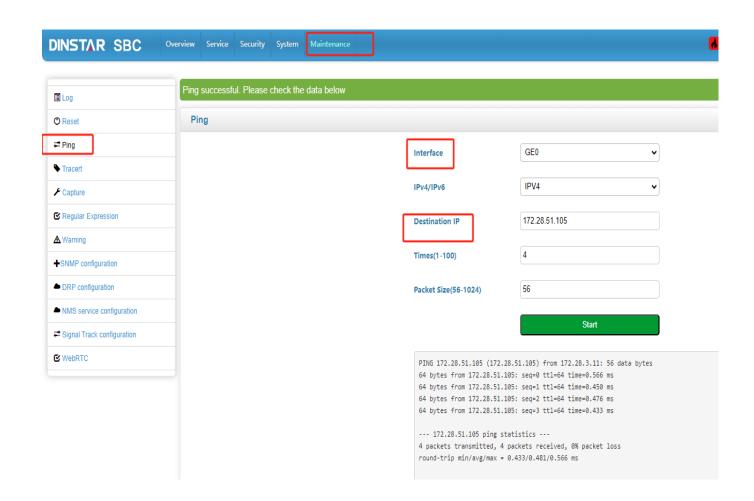
- View Configuration
- 3. Call Routing: check if the request-uri IP Addr. to IP Addr. and from IP Addr. are selected as remote domain





PING

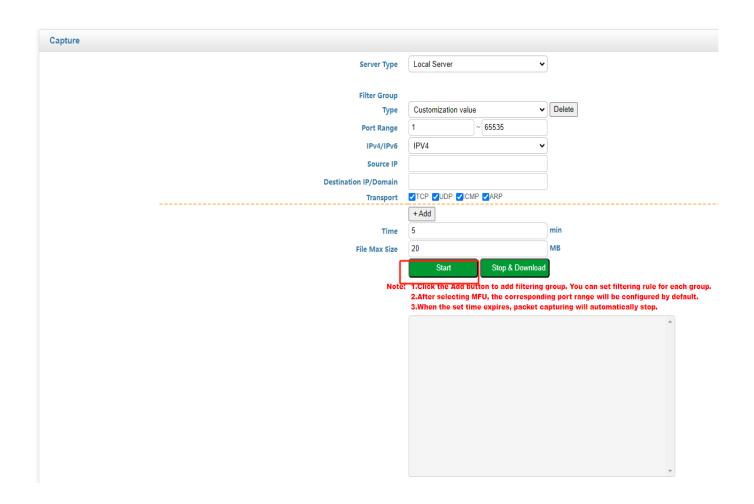
- Click on Maintenance Ping
- 2. Select network port
- 3. Enter the IP address of IMS
- 4. Check the results to determine if the networks are interconnected (only applicable to IMS without ping ban)





Packet capture

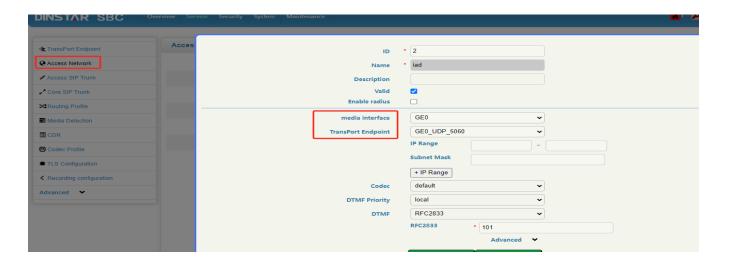
- 1. Click on **Maintenance Capture**
- 2. Default configuration, click start
- 3. Reproduce the problem, the expire time is relatively long, you can disable the account first and then enable it again
- 4. Click to stop & Download

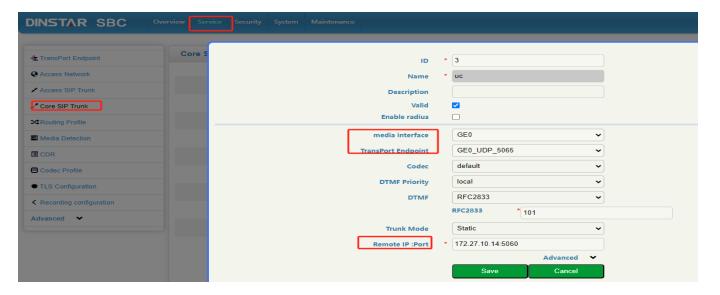


SIP proxy registration failed



- View Configuration
- Access Network: Check if the IP and port of the registered terminal are consistent with the selected access network
- 2. Core SIP Trunk: Check if the IP and port of PBX are correct
- **3. SIP account**: Check if the account and password matches the one provided by PBX





SIP proxy registration failed



- View Configuration
- **4. Route**: Check if the relevant routes have been configured

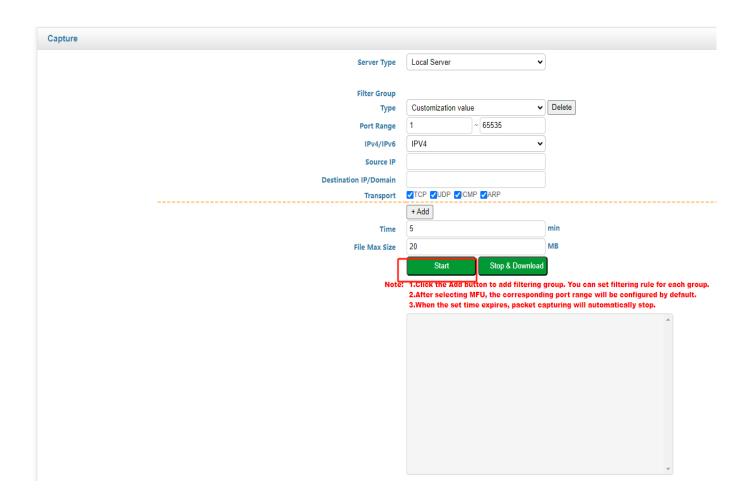


SIP proxy registration failed



Packet capture

- 1. Click on **Maintenance Capture**
- 2. Default configuration, click start
- Registration terminal initiates registration again
- 4. Click to stop & Download



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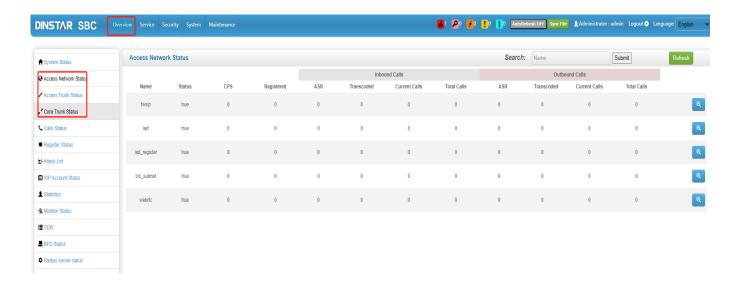
- 1 Chapter One Solution to Registration Failure
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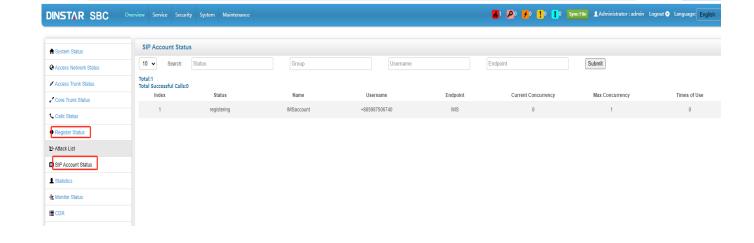
Chapter Two
Solution to Call Failure

02

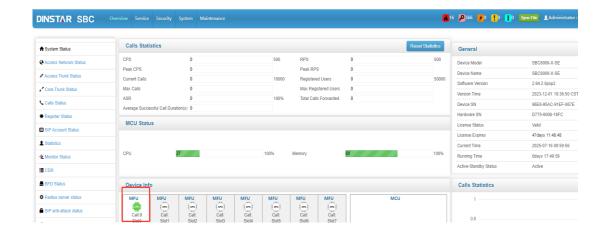


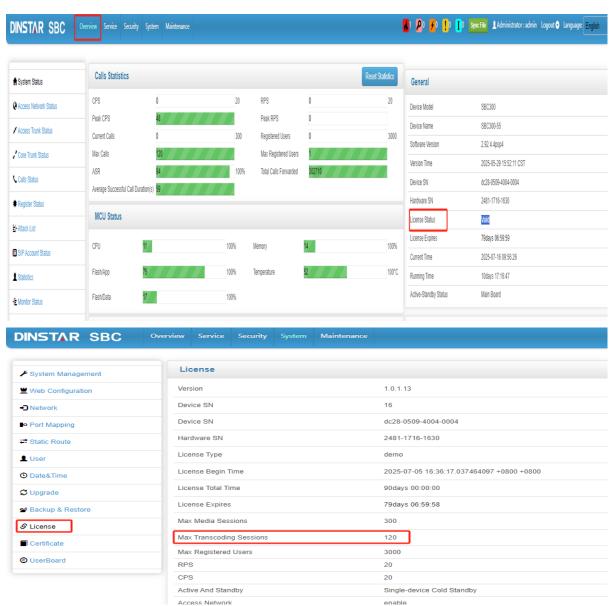
- View Trunks & registration status
- Click Overview Access Network
 Status/Access Trunk Status/Core
 Trunk Status, Check if the trunks
 status is normal
- Click Overview Register Status/ SIP Account Status, Check if the registration status is normal





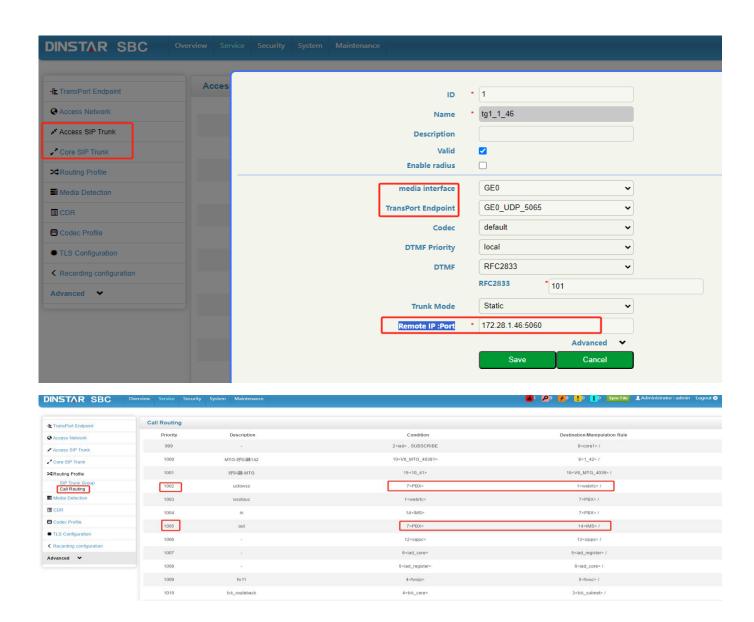
- View License
- Click Overview System Status, Check the License Status
- 2. For calls that require transcoding, it is necessary to check if there is transcoding permission(Sbc8000 still needs to check the DSP status)



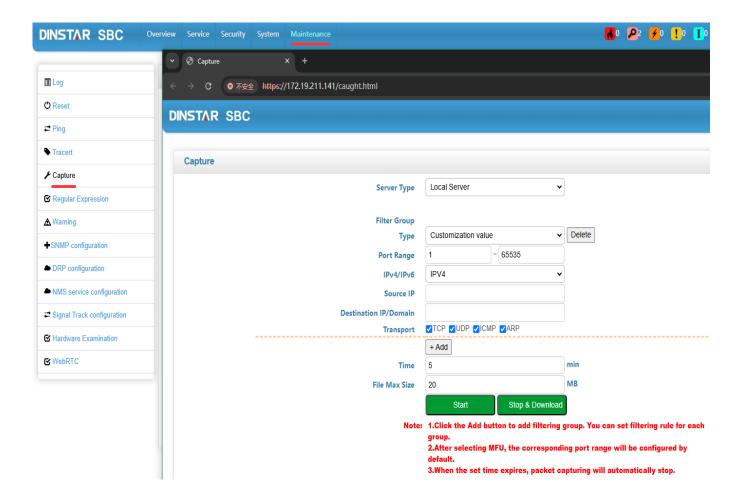




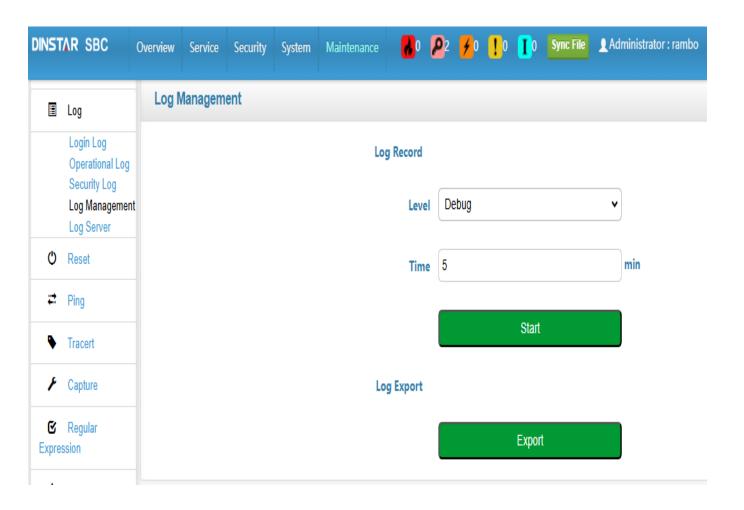
- View Configuration
- Click Service Access SIP Trunk /Core
 SIP Trunk, Check if the media interface.
 TransPort Endpoint. the remote IP
 and port is correct
- Click Routing Profile->Call routing,
 Check if the routing source and
 destination are correct
- 3. Same routing source, check routing priority



- Get Network Capture
- 1. Click on **Maintenance Capture**
- 2. Click Start
- 3. Reproduce the problem
- 4. Click Stop& Download



- Getting The Log
- Click on Maintenance Log -Log Management
- Level selection debug and clickStart
- 3. Reproduce the problem
- 4. Click Export



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Chapter Three Solution to Call Voice Related Issues

03

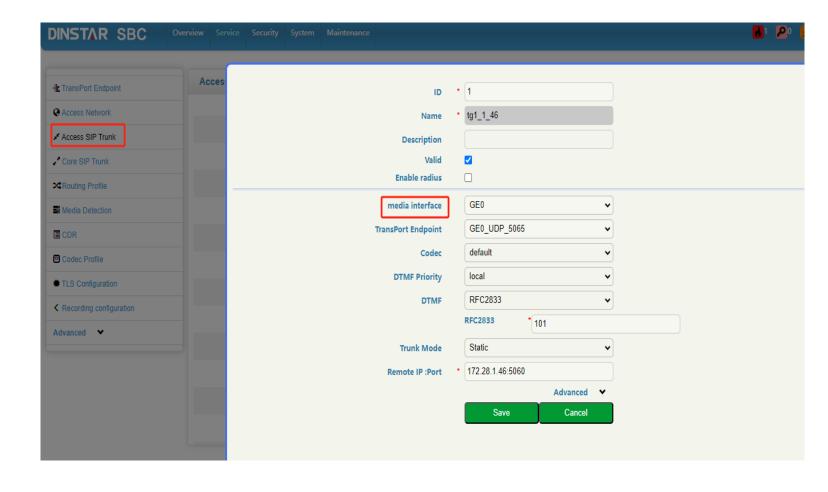


Call Without Sound



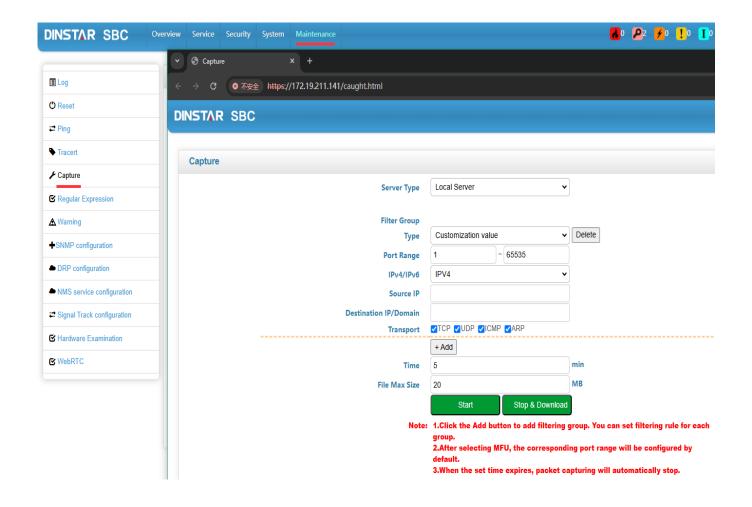
View Configuration

Click Service - Access Network /Access
SIP Trunk /Core SIP Trunk, Check if the
media interface is correct



Call Without Sound

- Get Network Capture
- 1. Click on **Maintenance Capture**
- 2. Click Start
- 3. Reproduce the problem
- 4. Click Stop& Download



















+86 755 6191 9966