

IPNext180TM Hybrid IP-PBX System

NAT Traversal Service for SIP Port Blocking Issue Solving





AddPac Technology

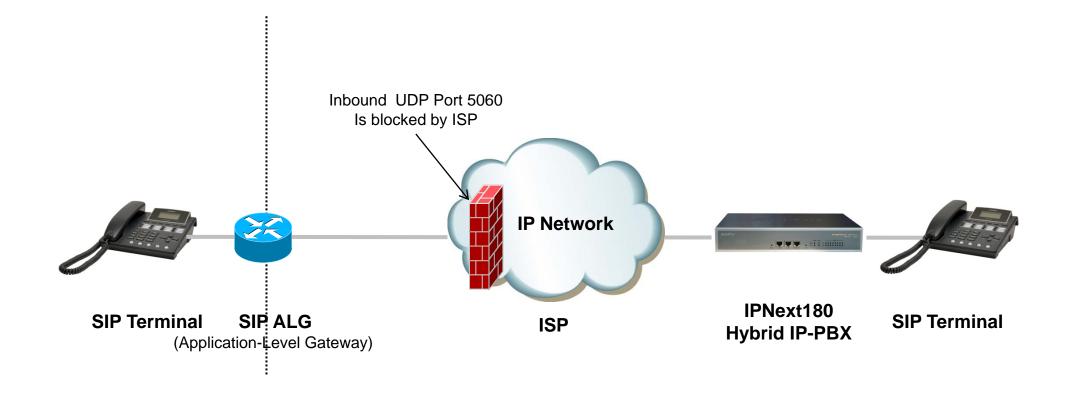
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Contents

- Network Diagram
- IP Telephony Service Environment
- NAT Traversal Service
 - Call Established Mode
 - Change Session Mode
- Smart Multimedia Manager Configuration

Network Environment



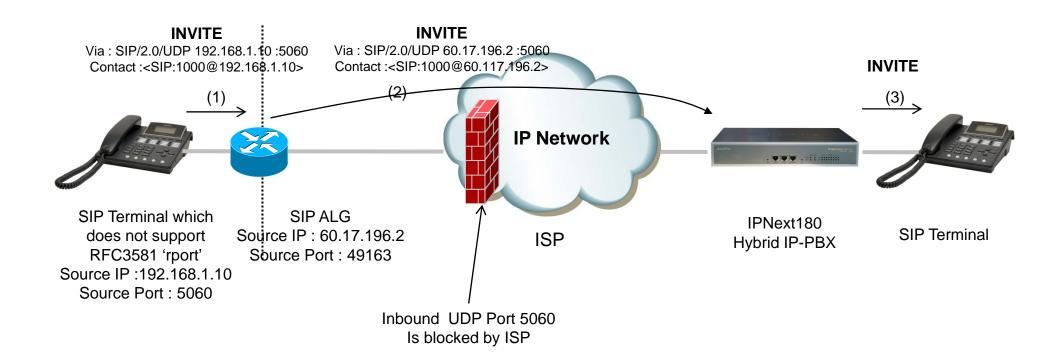
IP Telephony Service Network Environment

- Terminal : IP Phone, VoIP Gateway, etc
 - Located below the NAT
 - Do not support RFC3581 (An Extension to the SIP for Symmetric Response Routing)
- NAT : SOHO Router
 - SIP ALG(Application-level gateway)
 - Replace IP in "Via" header with the public IP and port
 - Replace "Contact" with mapped public IP and port
 - Replace SDP media address with public IP and port
 - In some network environments, the SIP ALG replace "Contact" port in REGISTER message only. It's caused by wrong configuration or abnormal operation.
- Network : ISP Network
 - Inbound UDP port 5060 is blocked by local ISP



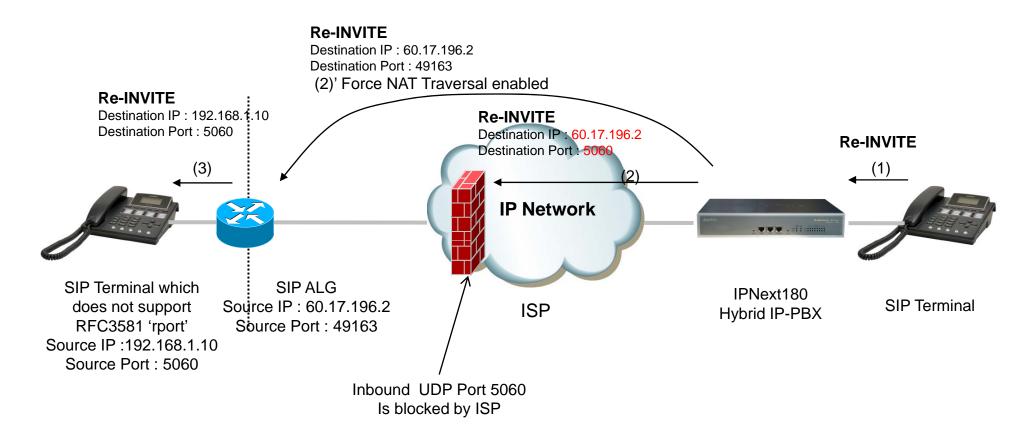
NAT Traversal Service

[Call Established]



NAT Traversal Service

[Change Session]



Smart Multimedia Manager Configuration

- Smart Multimedia Manager
 - Device Management
 - Devices
 - Server
 - » (IPNext) Properties
- Check 'Force NAT Traversal' option

erver Properties			X
IVR SSCP Connections General Call Manager MCU Pr Options SSCP SIP Retry Count Retry Timeout Invite Expire Timeout Minimum Session Expire Response Response Type	resence Medi 5 500 180 0 1800	a UMS RTP Proxy (1-10) (100-4000 msec) (5-600 sec) (0-86400 sec) (30-86400 sec)	
Response Type SDP Type	Default Default	✓✓	
─ Transport Type ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─	✓ TCP		
Force NAT Traversal			
		Ok Cancel	

Thank you!

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