



IPNext180™

Hybrid IP-PBX System

High Performance Hybrid IP-PBX Solution

NAT Traversal Service for SIP Port Blocking Issue Solving



AddPac

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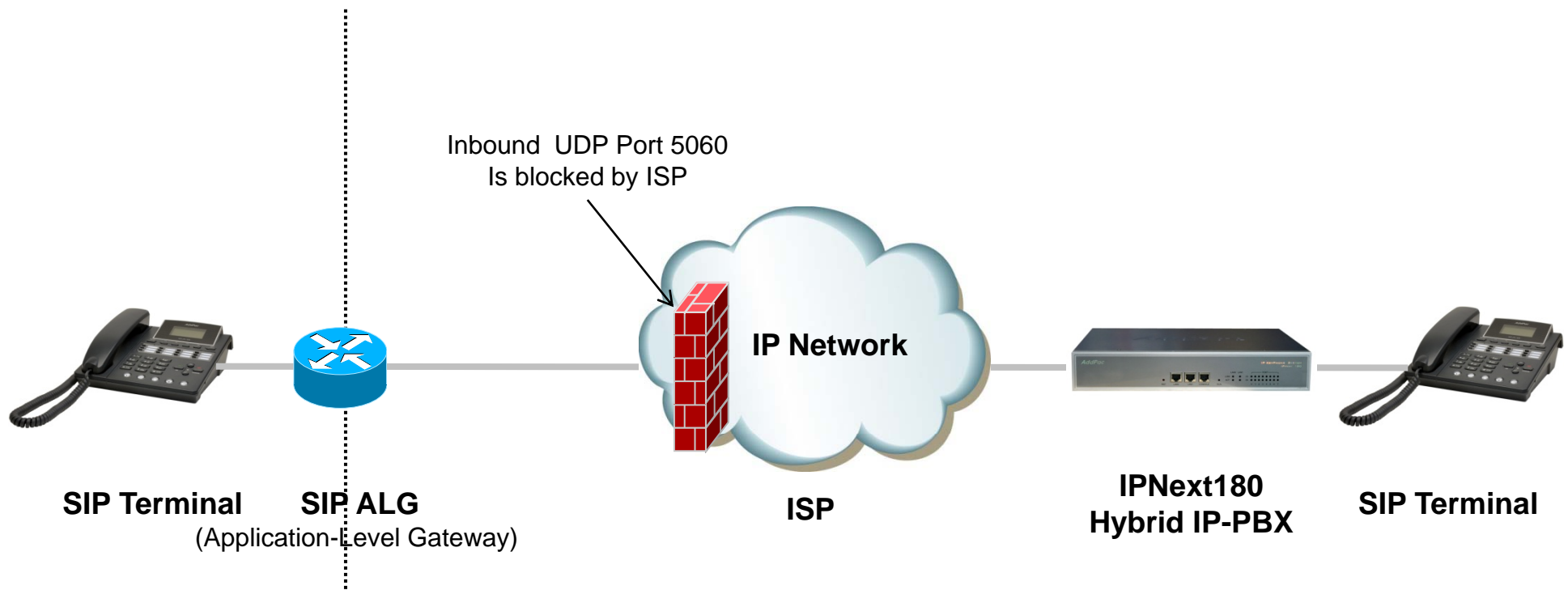
2011, Sales and Marketing

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Network Environment

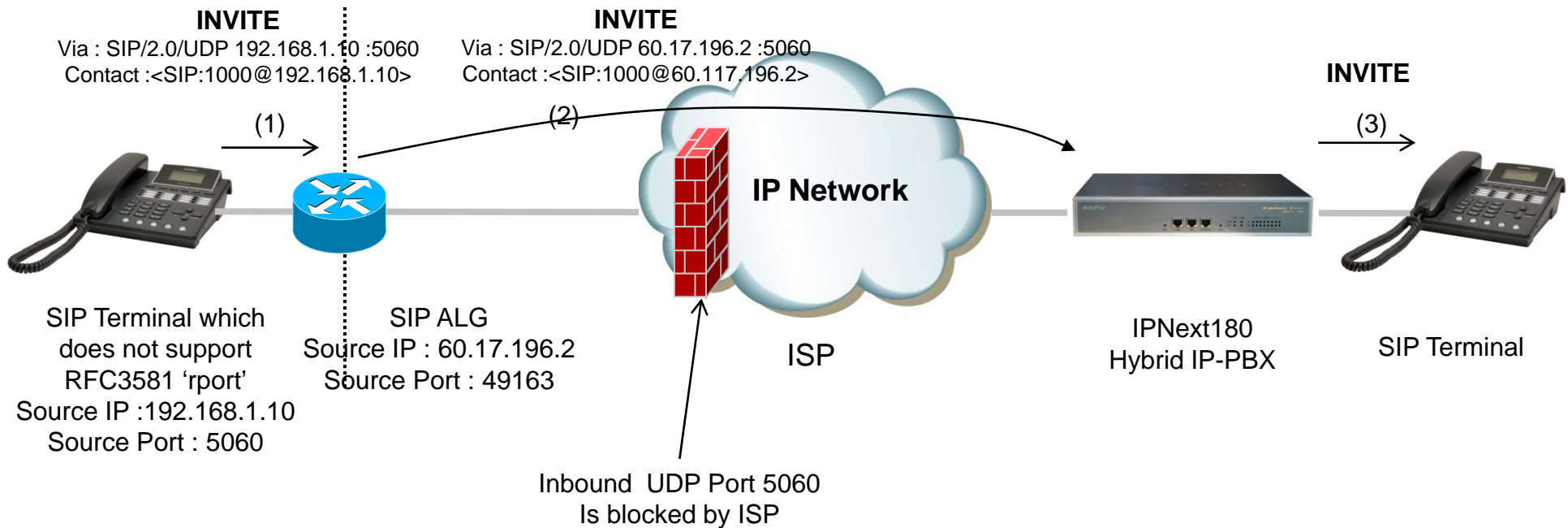


IP Telephony Service Network Environment

- 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

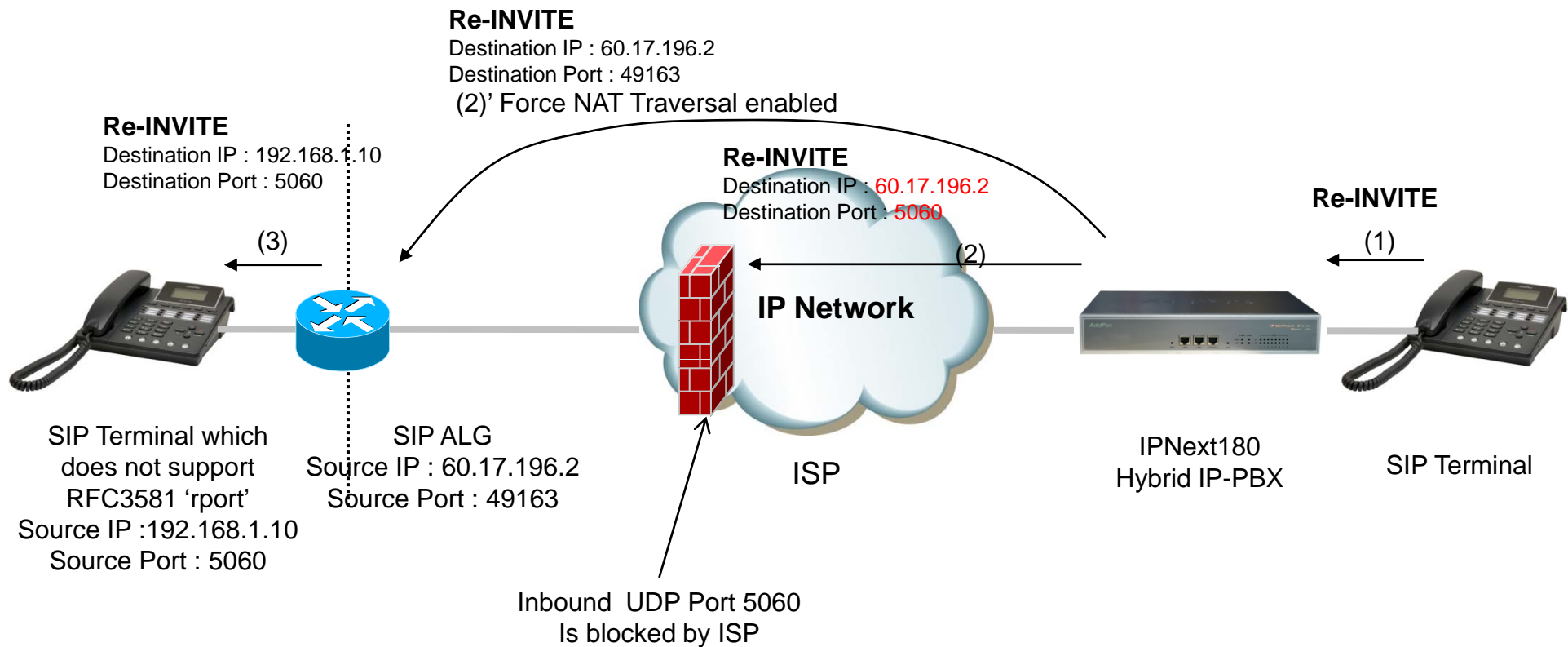
NAT Traversal Service

[Call Established]



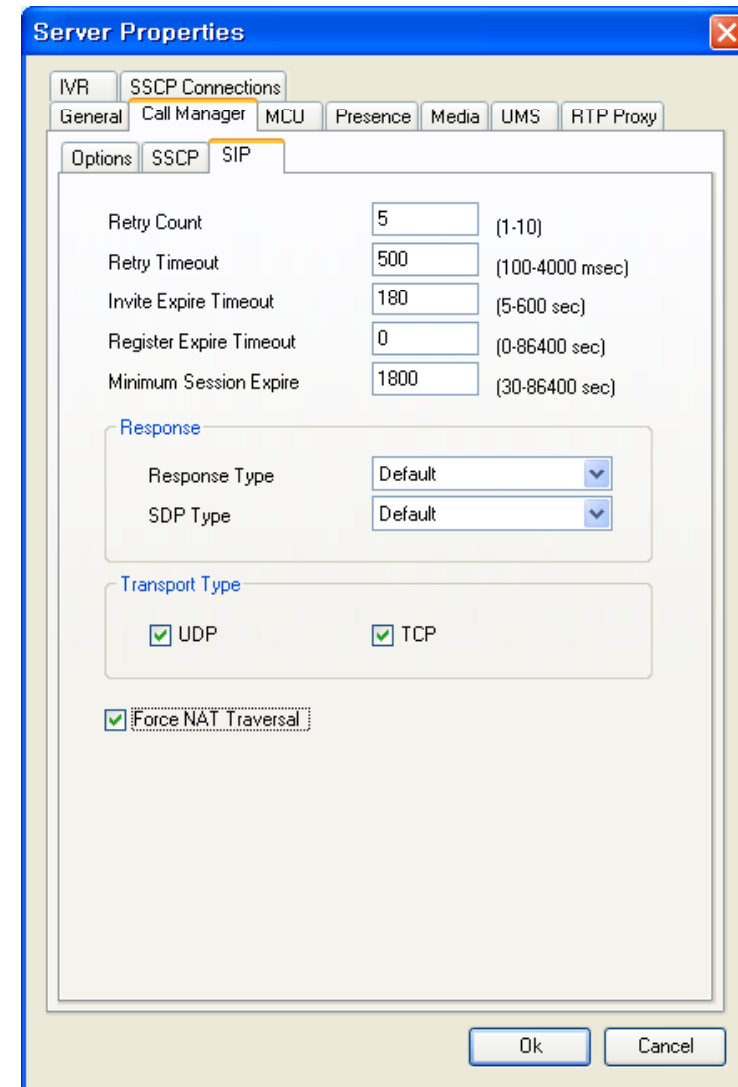
NAT Traversal Service

[Change Session]



Smart Multimedia Manager Configuration

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





Thank you!

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