



# IPNext320™

## Hybrid IP-PBX System

High Performance Hybrid IP-PBX Solution

### NAT Traversal Service for SIP Port Blocking Issue Solving



# **AddPac**

## AddPac Technology

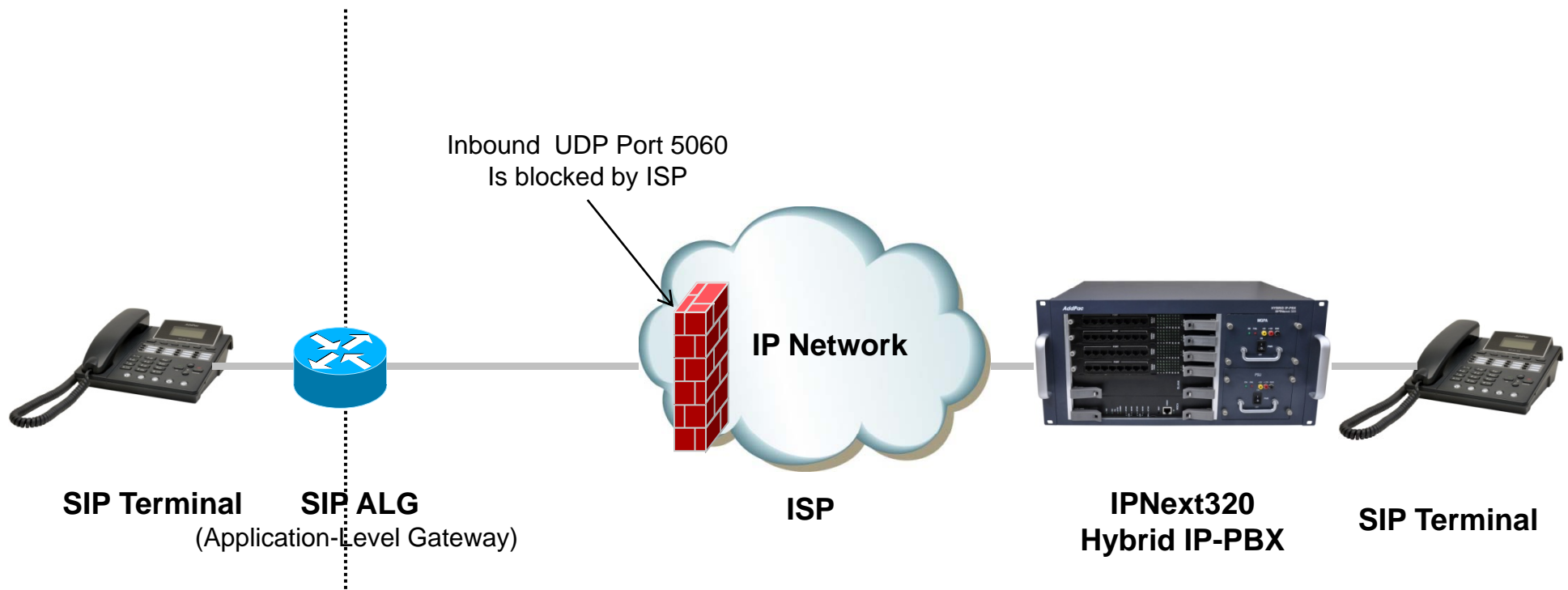
2012, Sales and Marketing

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# Network Environment

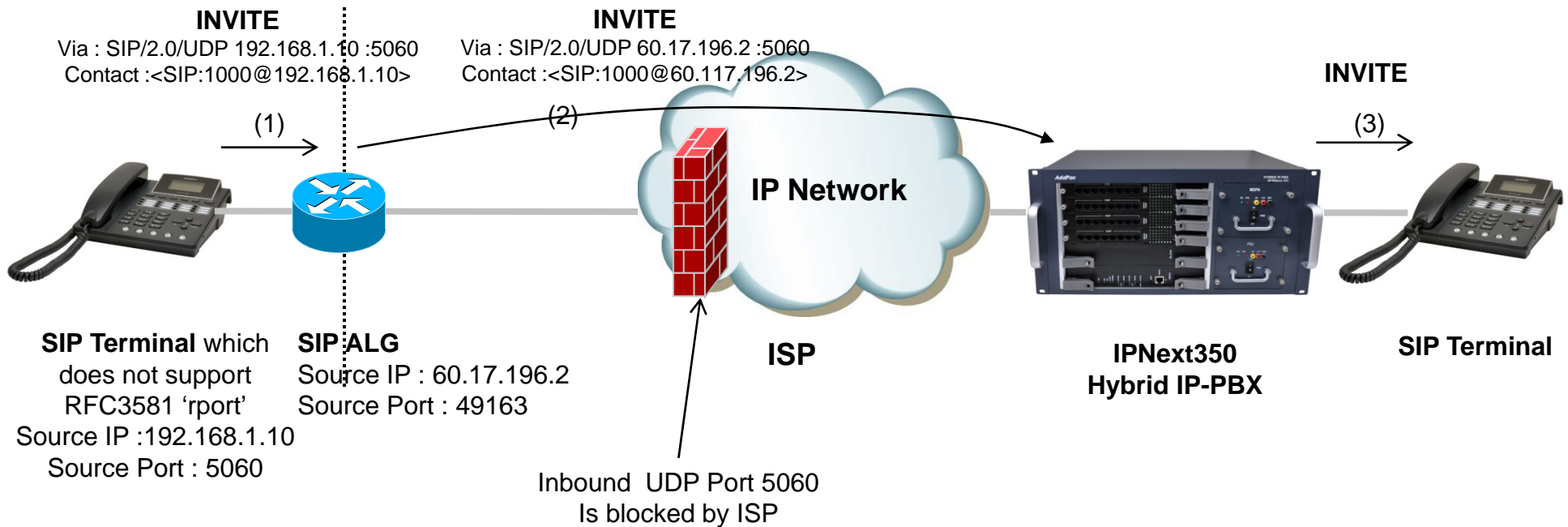


# IP Telephony Service Network Environment

- 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

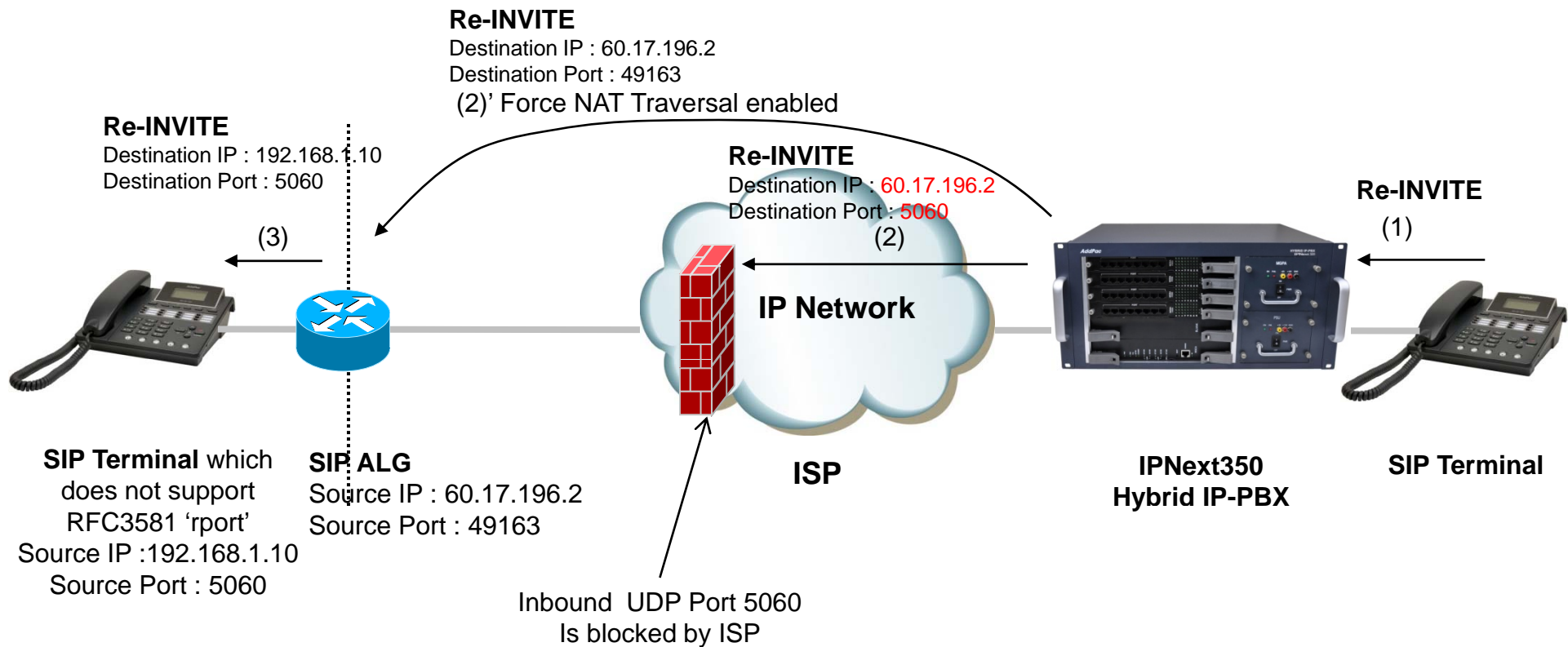
# NAT Traversal Service

## [Call Established]



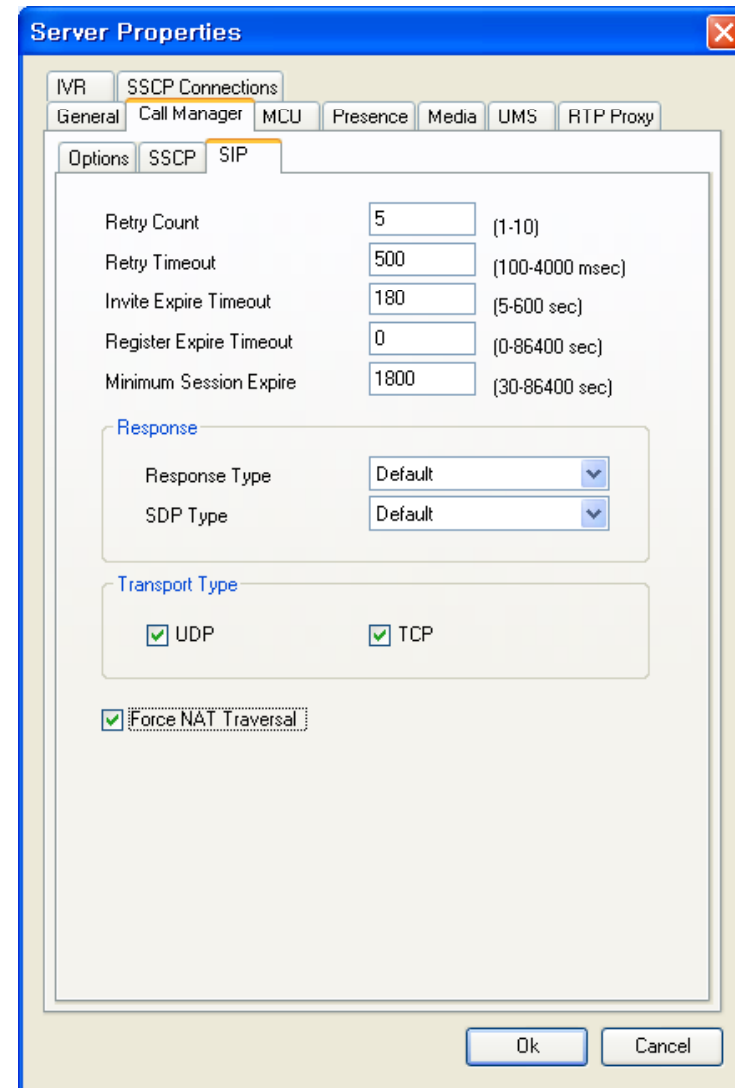
# NAT Traversal Service

## [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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