

# AP-AS10000 Multimedia Application Server

High-performance Next Generation IP-PBX Solution

## Preliminary Product Overview

(Without notice, following described technical spec. can be changed)



**AddPac**

AddPac Technology

2013, Sales and Marketing

[www.addpac.com](http://www.addpac.com)

# Content

- Product Overview
- System Redundancy Features
- Software Service
- AP-AS10000 Software Component
- Scalable Distributed Architecture
- IP Centrex Service
- Presence Service
- IVR Service
- RBT Service
- UMS Service
- Network Service and Features
- Ordering Information



# Product Overview

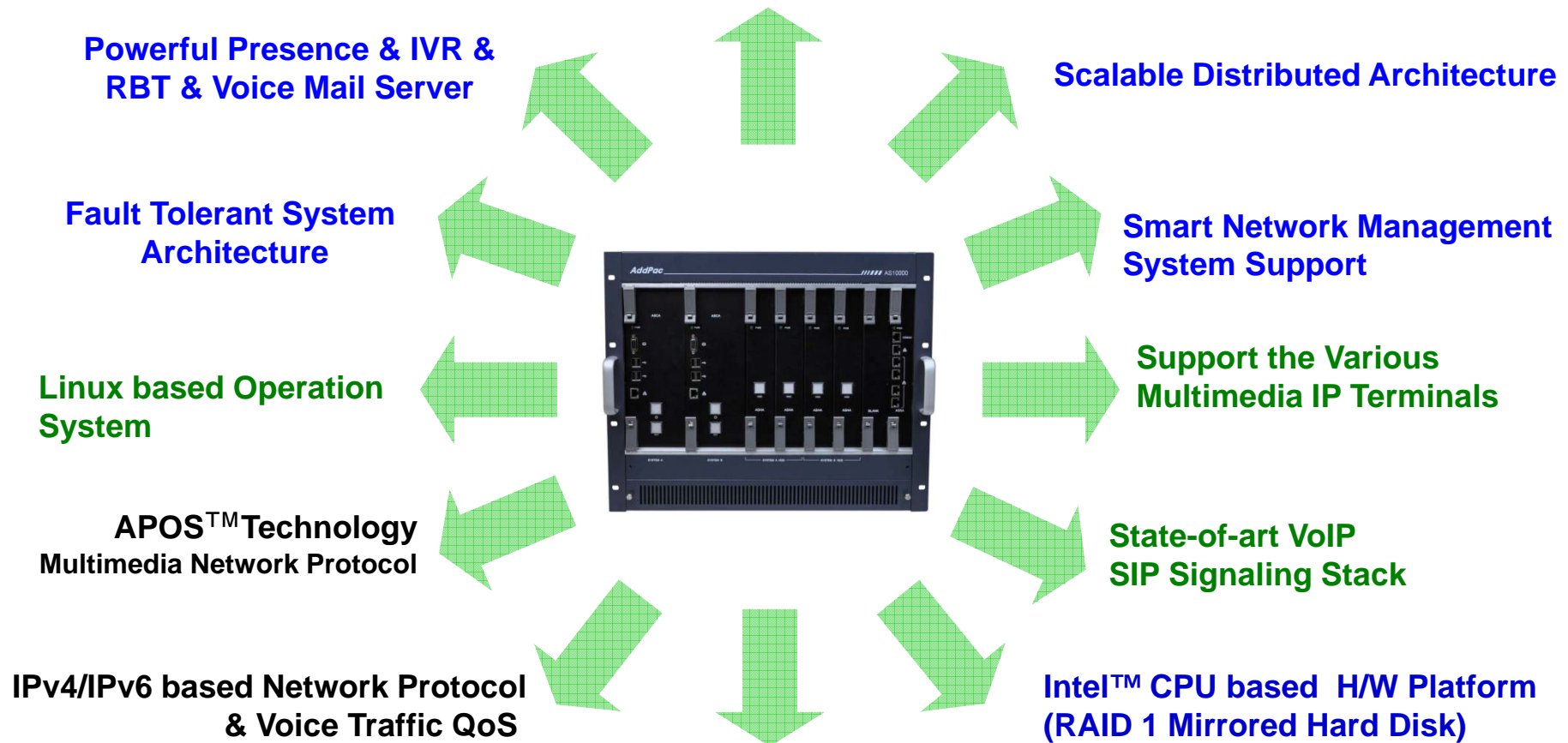
## AP-AS10000 Next Generation Multimedia Application Server

- IP based Advanced Multimedia Application Server Solution
- Scalable and Distributed Presence Server, IVR Server, RBT (Ring back Tone) Server, and UMS (Unified Messaging Server) in One Hardware System
- Fully Interoperable with AddPac IPNext Series PBXs
- IPv4/IPv6 based Dual Network Protocol Support
- Powerful Management and User Friendly Features
- Fault Tolerant and Scalability Architecture
- High-performance Video, Audio, and Voice Service
- Firmware Upgradeable Architecture
- Linux Operation System

# Product Highlights

AP-AS10000 Next Generation Multimedia Application Server

## IP based Advanced Multimedia Application Server



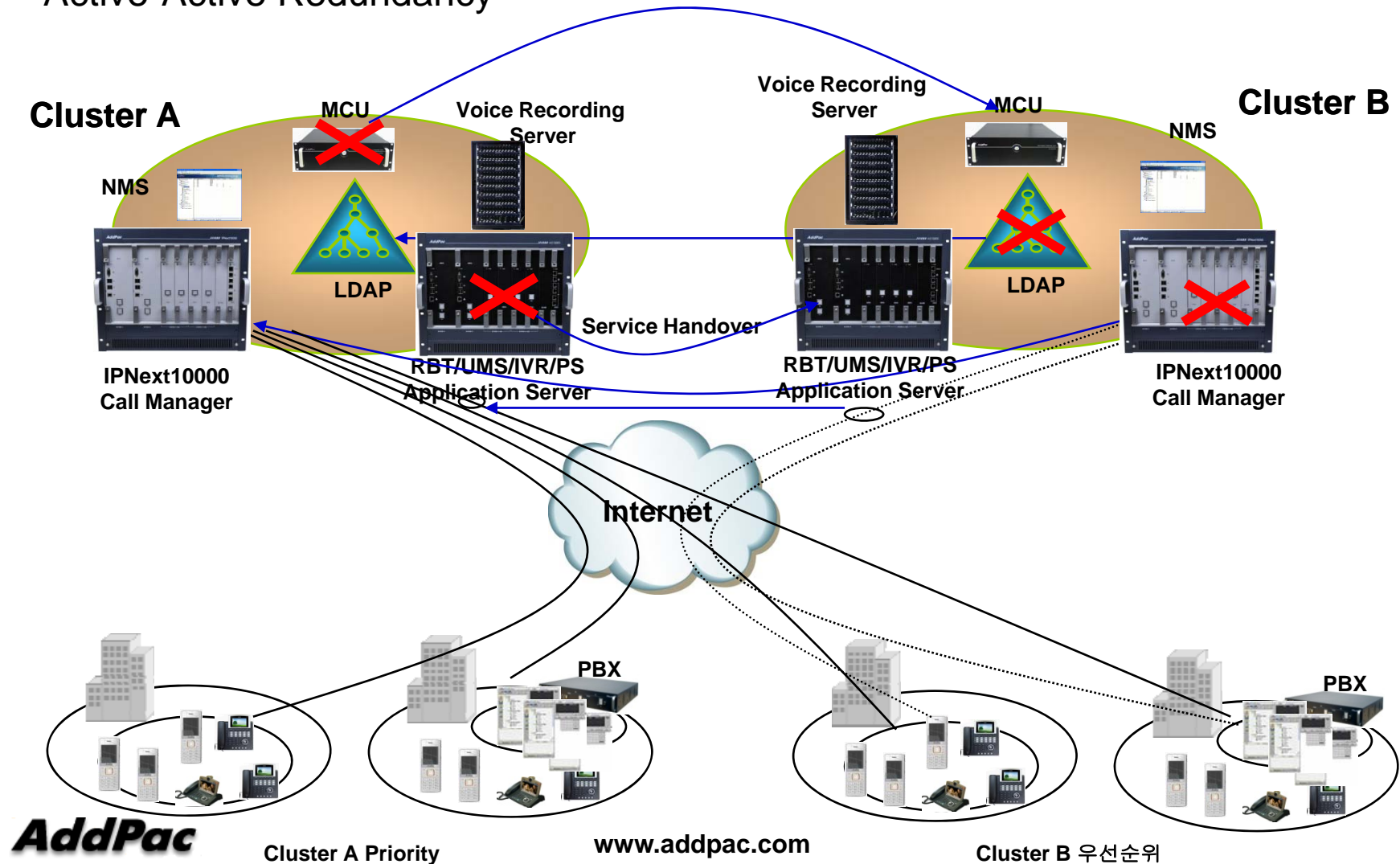
**AddPac**

[www.addpac.com](http://www.addpac.com)

# System Redundancy Features

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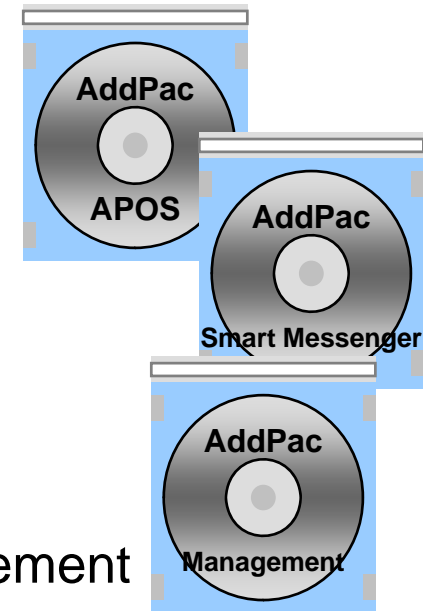
- Active-Active Redundancy



# Software Service

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- Built-in AddPac APOS Internetworking Software
  - Scalability, Functionality, and Stability Features
  - Advanced Application Service Features
  - QoS Control Features
- Firmware Upgradeable Architecture
- Industry Standard Network Protocol Features
- Highly User Friendly Management Features
  - Smart Multimedia Manager for Operation & Management



# Software Components

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## **Presence Server**

- Provides User Extension Presence Monitoring Service
- Support Directory Service to Smart Messenger and Terminals

## **IVR (Interactive Voice Response) Server**

- Provides Various IVR Scenarios Made by IVR Editor
- Support Schedule based Scenario

## **RBT (Ring Back Tone) Server**

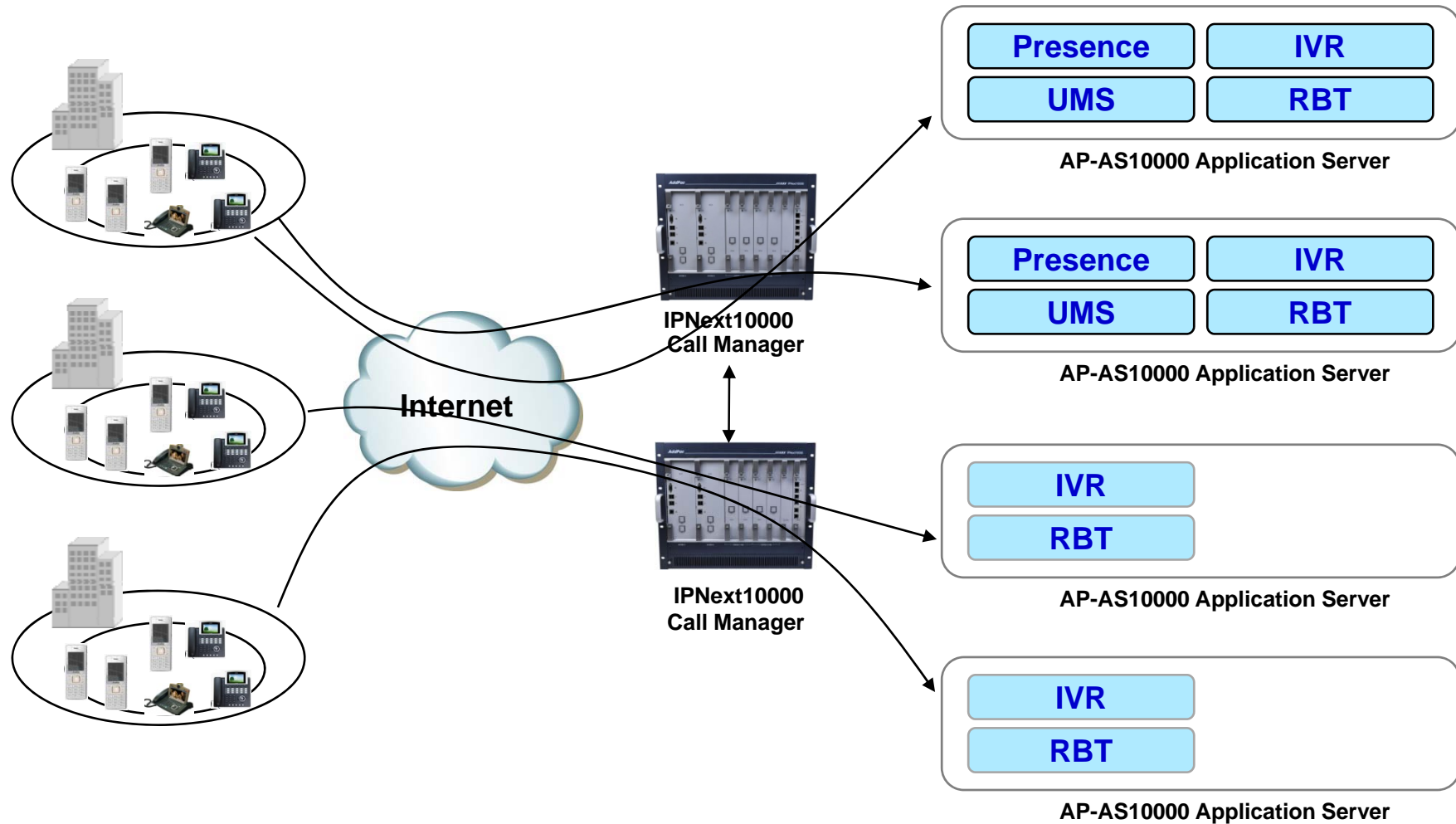
- Provides Department and Personal based MoH and RBT
- Provides Announcement and Tone Package Management

## **UMS (Unified Messaging) Server**

- Provides Voice Mail Store and Play
- Provides SMS Delivery Service

# Scalable Distributed Architecture

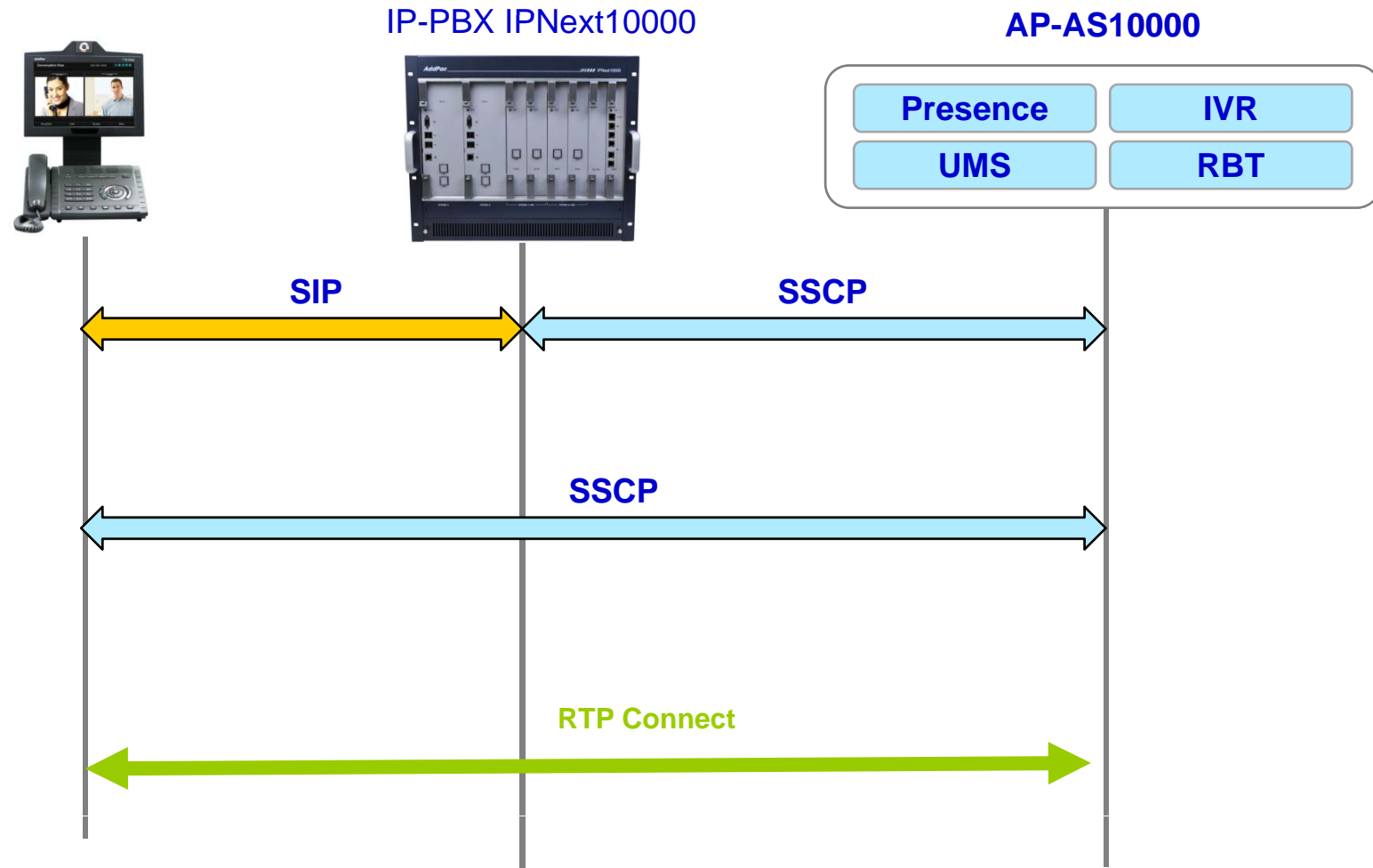
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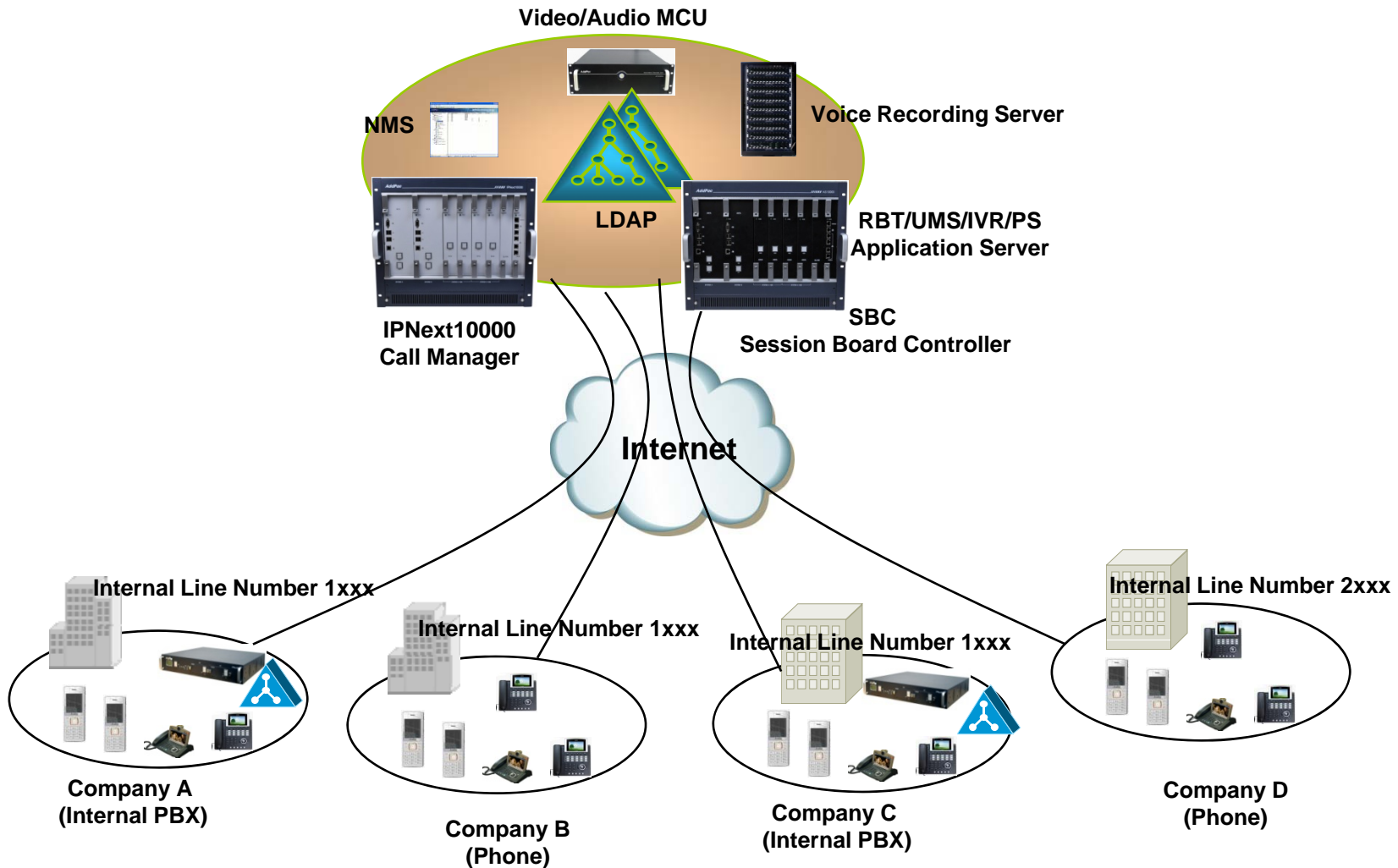
# SIP and SSCP based Service Scenario

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# IP Centrex Service

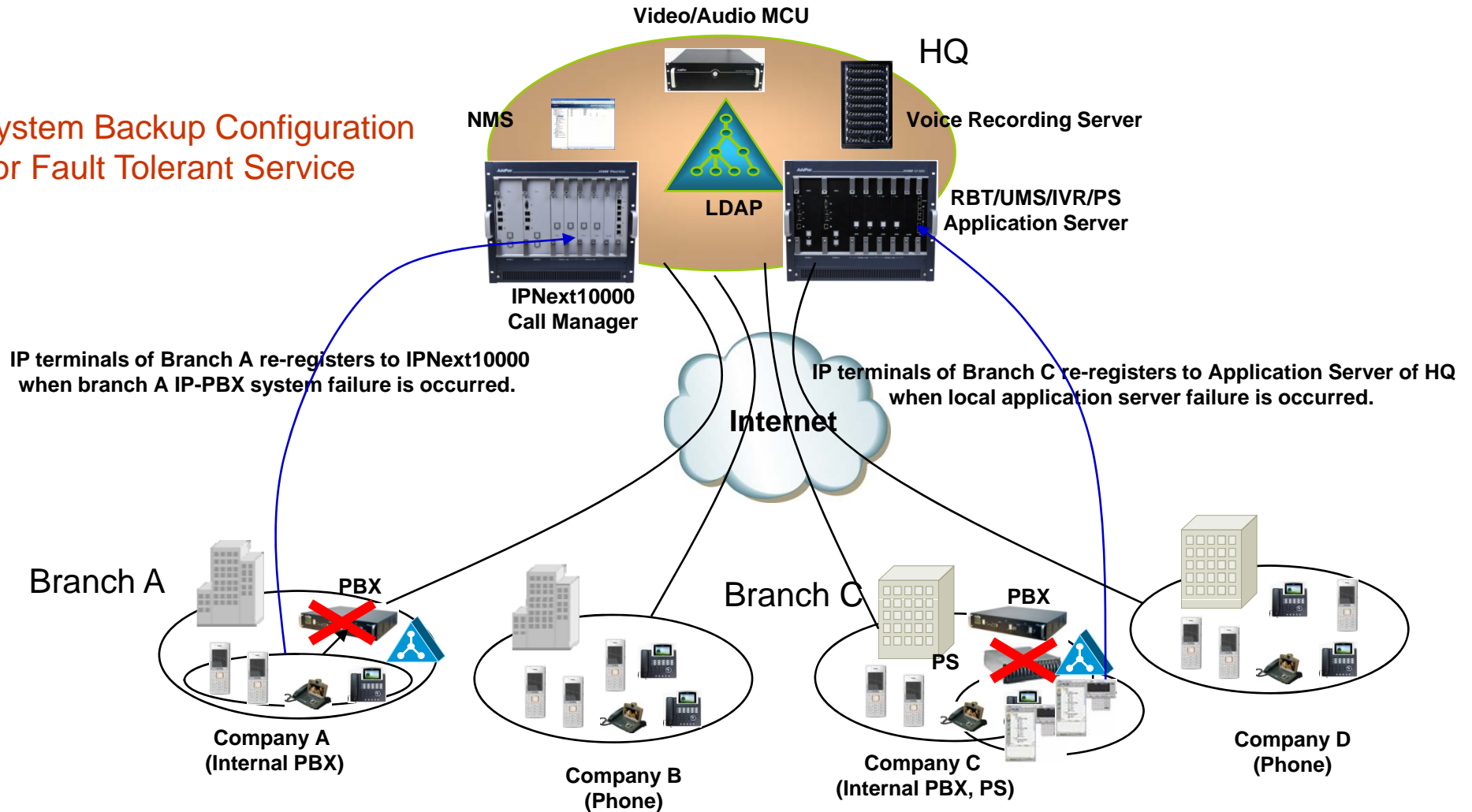
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# IP Centrex Service

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## System Backup Configuration for Fault Tolerant Service





# Presence Service

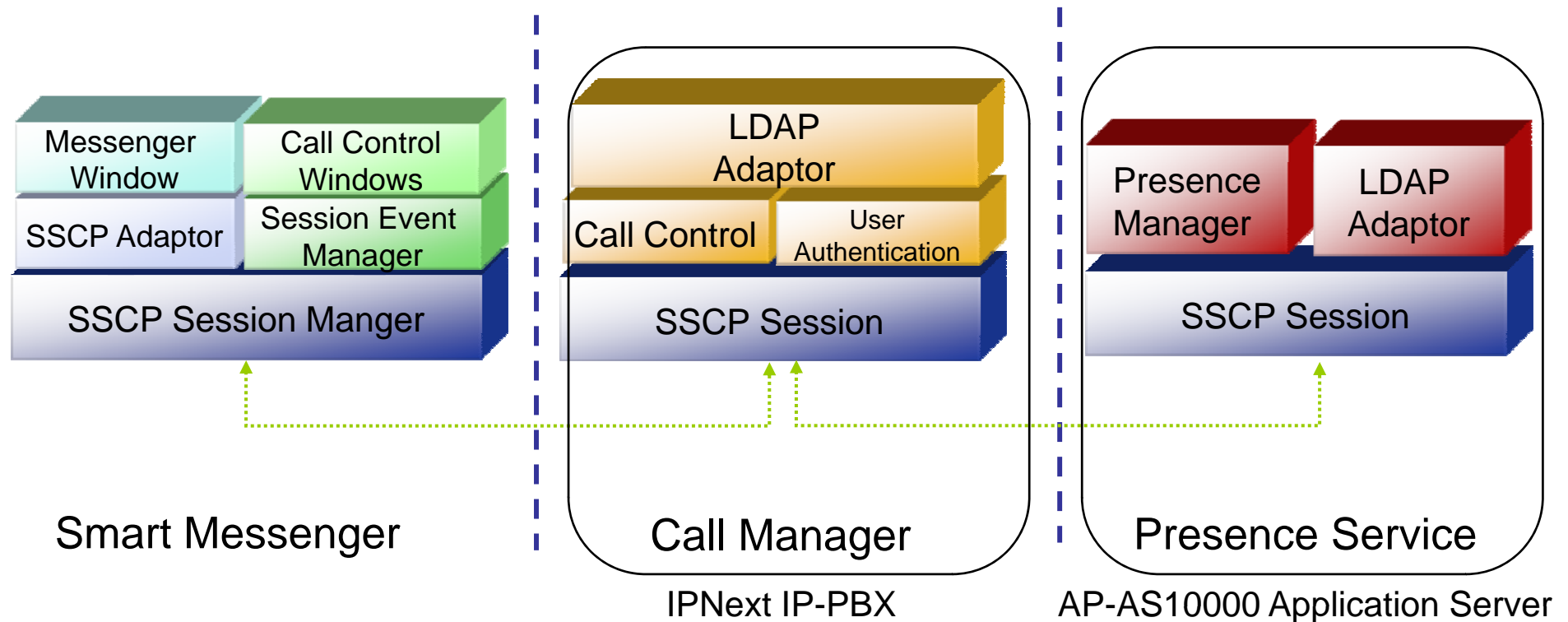
# Presence Service Functions

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- User Extension Status Monitoring
- User Extension Status Broadcasting
- Presence Server System Management
- Presence Server Cluster Management
- Multiple Phone Book Management
- Multiple Presence Group for Scalable User Extensions
- Multiple Speed Button Profiles for Speed Button Enabled Terminal or Messenger
- Presence Service Monitoring
- Presence Session Monitoring

# Presence Service Model

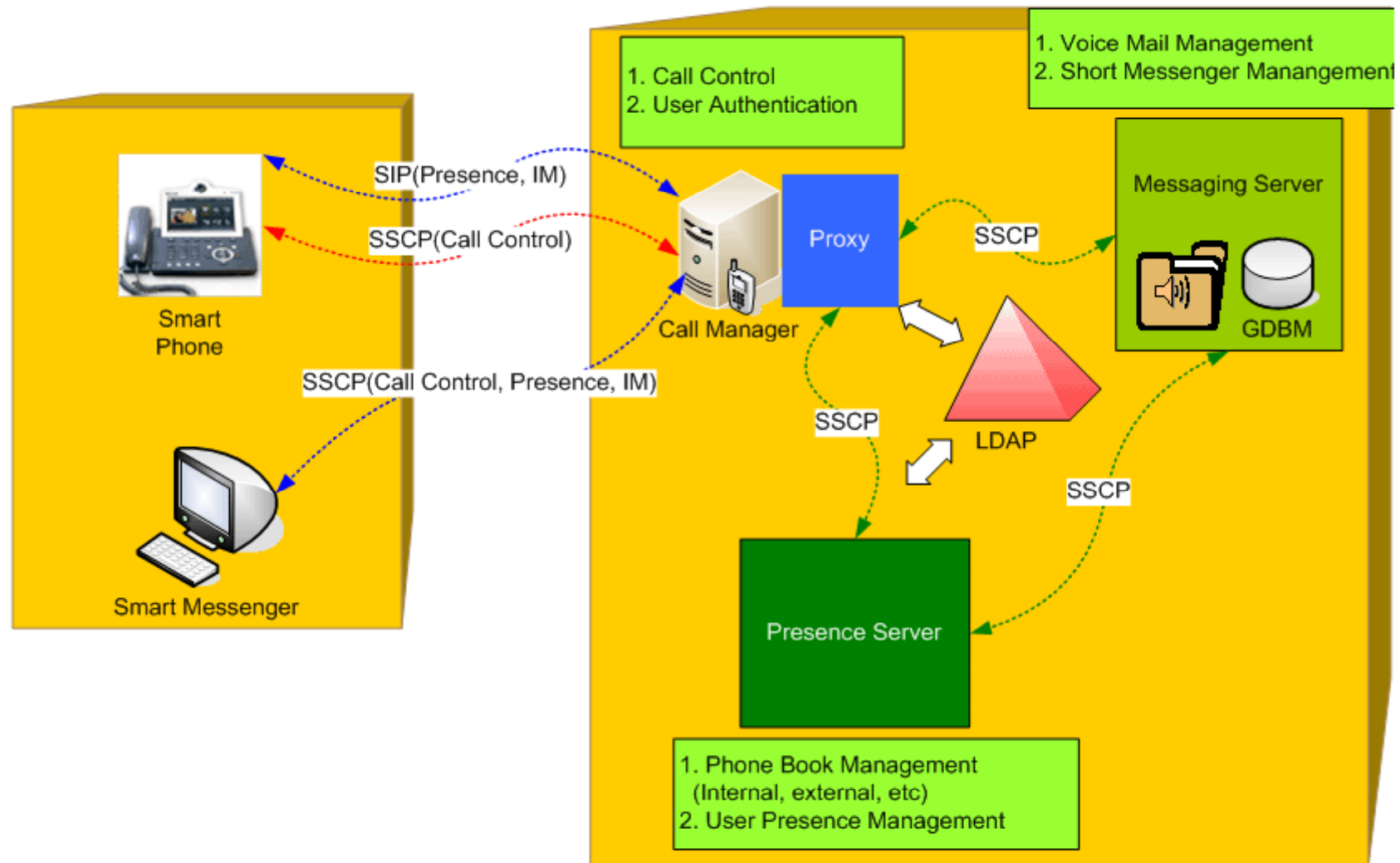
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- Large Scale User Presence Solution
- Scalable Architecture
- Load balancing Arch. for Multiple Presence Servers

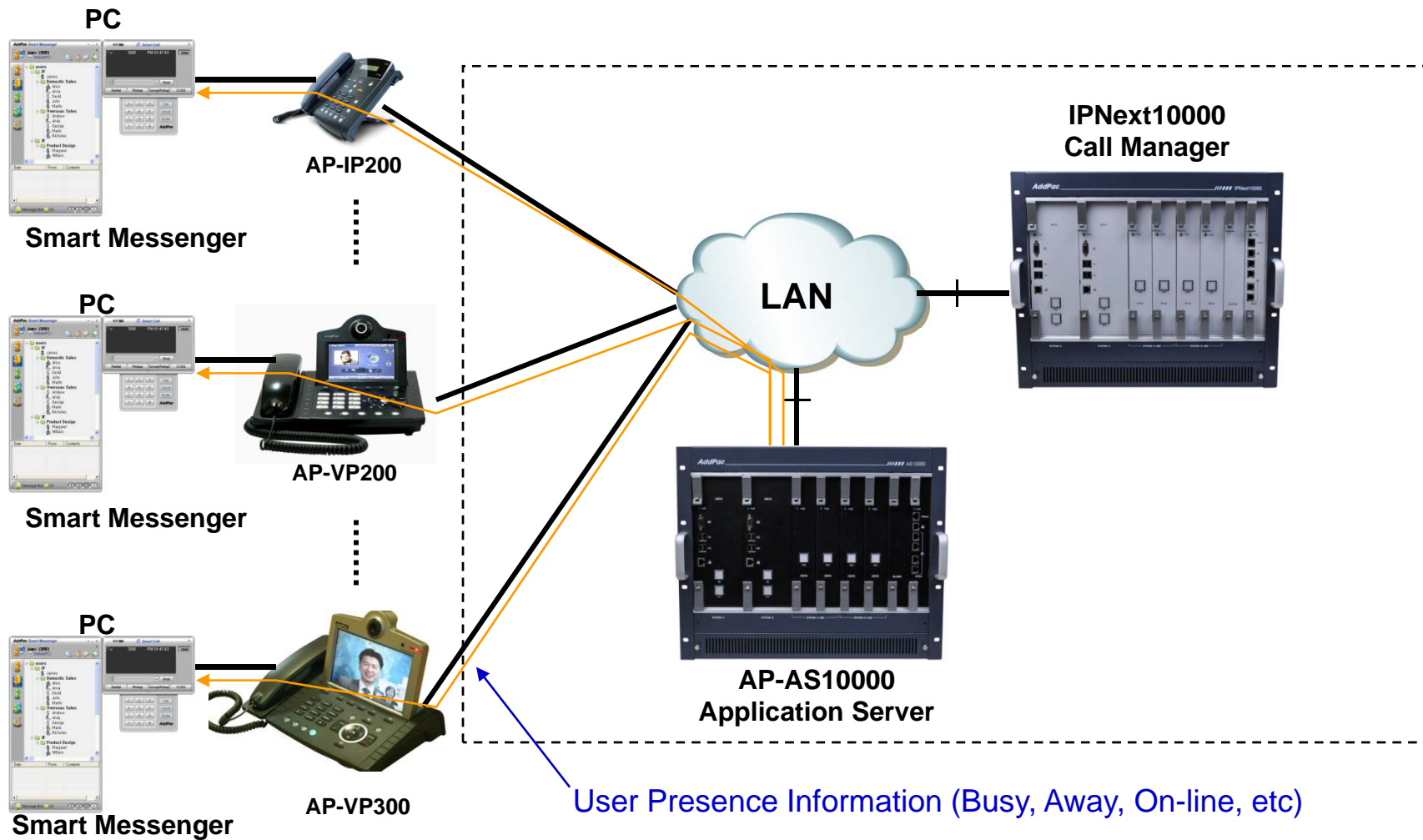
# Presence Service System Diagram

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# Presence Service Flow

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# Presence Service Cluster Management

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File View Search Tools Help

Smart M

PBX (172.17.250.250:389)

- System Management
- Smart Directory Management
- User Management
- Device Management
- Fault Management
- Call Management
- Conference Management
- Presence Management
  - System
    - Presence Server
    - Presence Server Preference
- Configuration
- Monitoring
- Media Management
- Unified Messaging Management
- Call Recording Management
- IVR Management
- Transcoding Management
- RTP Proxy Management
- Chating Management

Presence Server Preference Properties

No. 1

Preference Profile Name: main\_ps\_0

Description:

Presence Servers	
Name	IP Address
Slave	172.17.250.251
Master	172.17.250.250

Presence Server Preference	
Name	IP Address
Master	172.17.250.250
Slave	172.17.250.251

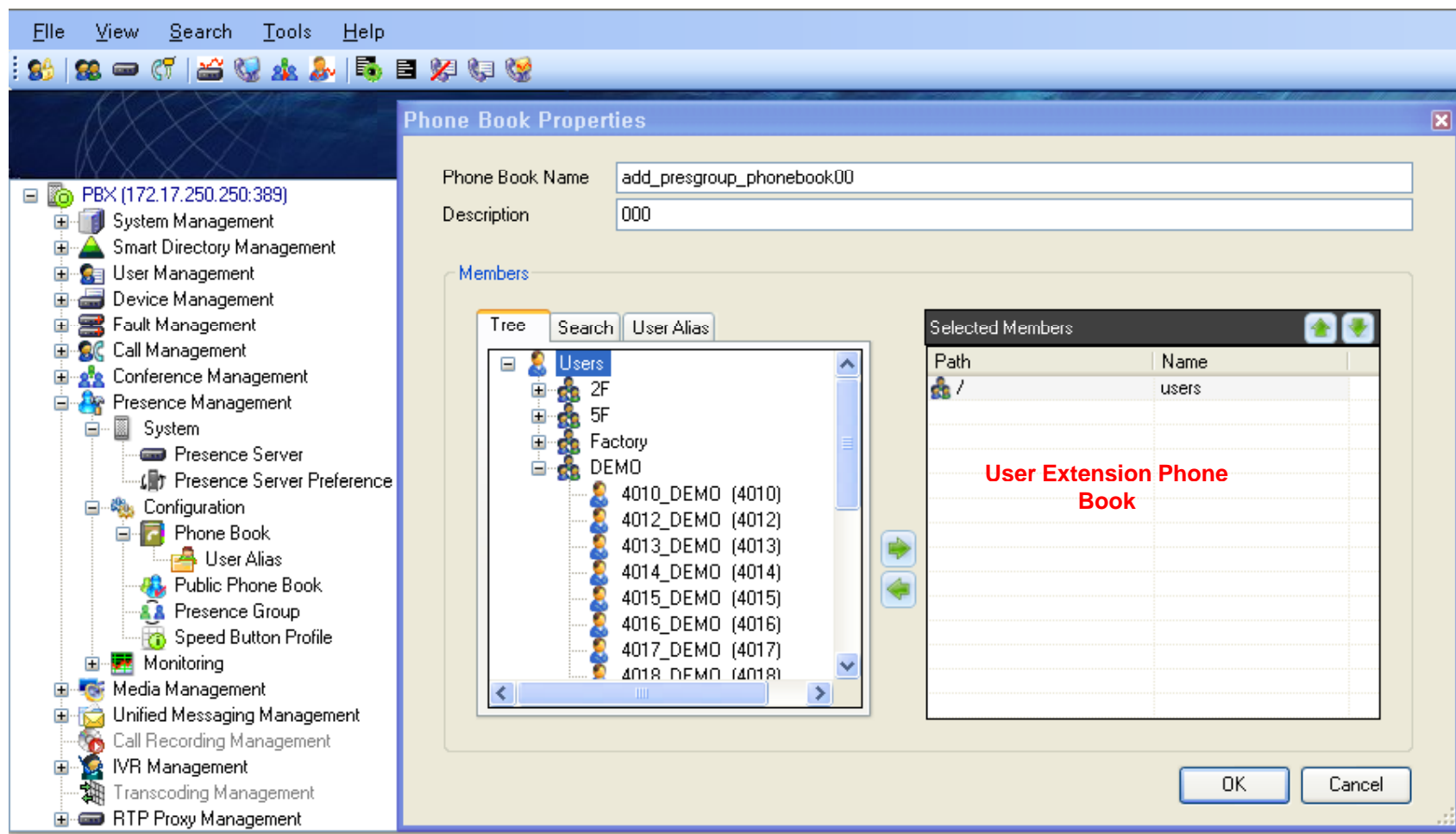
Cluster for Redundancy

Apply to Inter-server Connection

Ok Cancel

# Phone Book Management

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# Public Phone Book Management

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The screenshot displays the AddPac management console. On the left is a tree view of system components. The main area shows the 'Public Phone Book Properties' dialog box for a phone book named 'customer'. The dialog includes a 'Phone Book Name' field with the value 'customer' and an empty 'Description' field, with a 'Modify' button. Below this is a table view for the phone book entries.

Name	Description	Office	Mobile	Email
test				

**Public Phone Book for Customer Directory**

# Presence Group Management

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The screenshot displays the 'Add a New Presence Group' dialog box within the AddPac web interface. The dialog box has a title bar and a close button. It contains several tabs: 'General', 'Phone Book', 'Public Phone Book', and 'Speed Button'. The 'General' tab is selected and shows the following fields:

- Presence Group Name:
- Description:
- Presence Server Preference:

Below these fields is a 'Members' section with a 'Tree' and a 'Search' input. The tree view shows a hierarchy starting with 'Users', which is expanded to show four sub-items: '2F', '5F', 'Factory', and 'DEMO'. To the right of the tree is a 'Selected Members' table with columns 'Path' and 'Name'. The table is currently empty, and the text 'Scalable Presence Group' is overlaid in red on the table area. At the bottom right of the dialog are 'OK' and 'Cancel' buttons.

The background of the screenshot shows the main interface of the PBX system, with a navigation tree on the left side. The tree includes categories like 'System Management', 'Smart Directory Management', 'User Management', 'Device Management', 'Fault Management', 'Call Management', 'Conference Management', 'Presence Management', 'System', 'Presence Server', 'Configuration', 'Phone Book', 'User Alias', 'Public Phone Book', 'Presence Group', 'Speed Button Profile', 'Monitoring', 'Media Management', 'Unified Messaging Management', 'Call Recording Management', 'IVR Management', 'Transcoding Management', and 'RTP Proxy Management'. The top of the interface has a menu bar with 'File', 'View', 'Search', 'Tools', and 'Help', and a toolbar with various icons. The text 'Smart Multimedia' is visible in the top right corner of the interface.

# Speed Button Profile Management

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**Speed Button for Speed Button  
Enabled IP Phone and Video  
Phone**

No.	Path	Display Name	Phone
1			
2	/DEMO	4010_DEMO	4010
3	/DEMO	4012_DEMO	4012
4	/DEMO	4013_DEMO	4013
5	/DEMO	4014_DEMO	4014
6	/DEMO	4015_DEMO	4015
7	/DEMO	4016_DEMO	4016
8	/DEMO	4017_DEMO	4017
9	/DEMO	4018_DEMO	4018
10	/DEMO	4019_DEMO	4019
11			
12			

# Presence Session Monitoring

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The screenshot displays the 'Smart Multimedia Manager' interface. The main window is titled 'Presence Session Monitoring' and shows two IP addresses: 172.17.250.251 and 172.17.250.250. Below the IP addresses, there are two tabs: 'Messenger' and 'IP-Phone', with 'IP-Phone' selected. A table displays the presence session status statistics for the selected IP address. The table has the following columns: No., Presence Group Name, Login Sessions, On-Line, Away, Working, Absence, Conference, Latest Directory, and Old Directory. The data row shows 1 session for the 'add\_presgroup' with 0 users in each status category. A red text overlay reads 'Presence Session Status Statistics of Messenger and Phone'. At the bottom of the table, a 'Total' row shows 0 for all categories. A status bar at the bottom indicates '172,17,250,251 : Connected ok!'.

No.	Presence Group Name	Login Sessions	On-Line	Away	Working	Absence	Conference	Latest Directory	Old Directory
1	add_presgroup	0	0	0	0	0	0	0	0
Total		0	0	0	0	0	0	0	0

172,17,250,251 : Connected ok!



# IVR Service

# IVR Service Functions

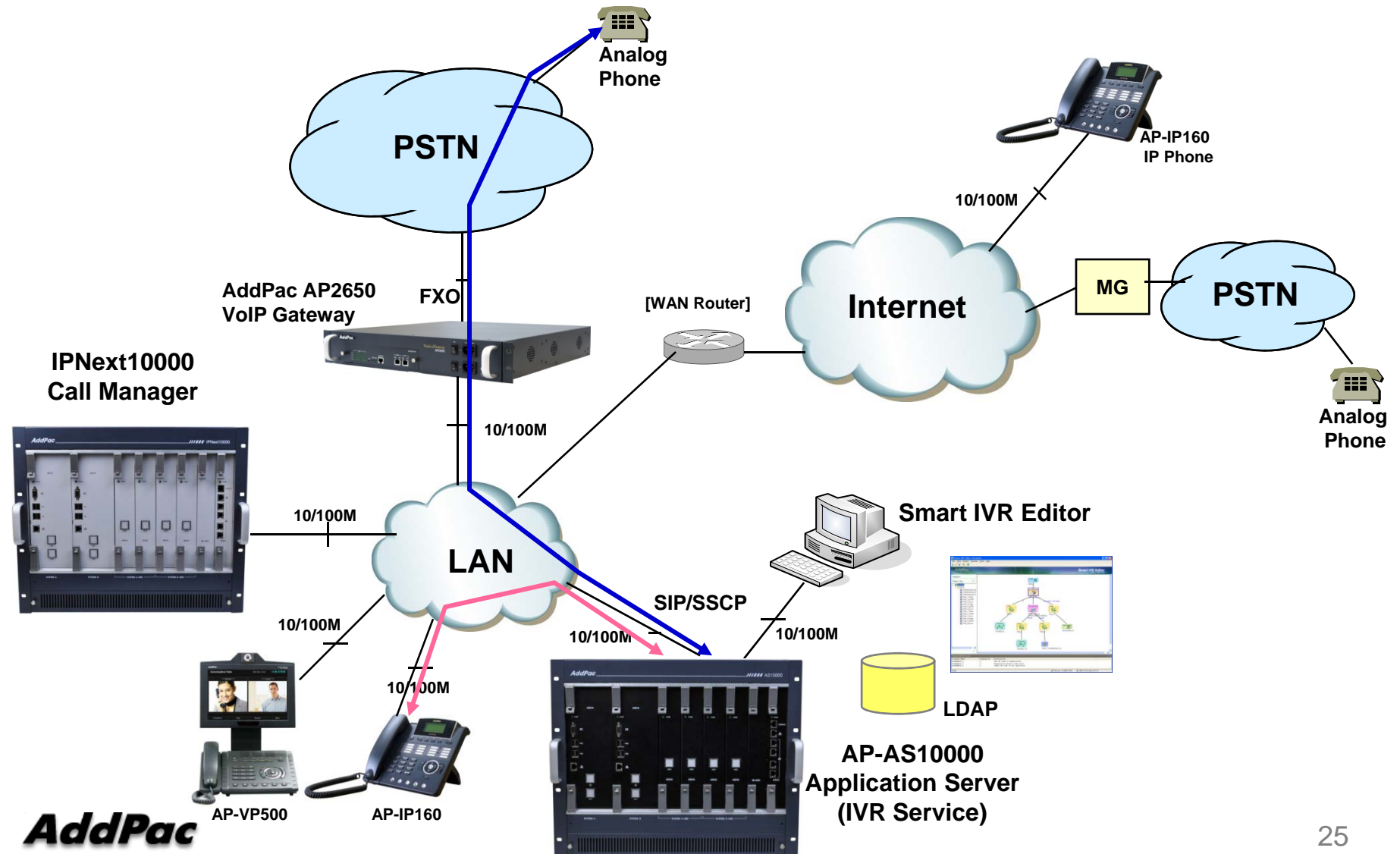
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- IVR (Interactive Voice Response) Service
- GUI based IVR Editor
- IVR Compile Error Checking
- Voice File Transcoding and Play
- IVR Server System Management
- IVR Server Cluster Management
- Scenario Management
- IVR Service Address Management
- Schedule Based Service Support
- IVR Service Monitoring
- IVR Session Monitoring



# IVR Service Network Diagram

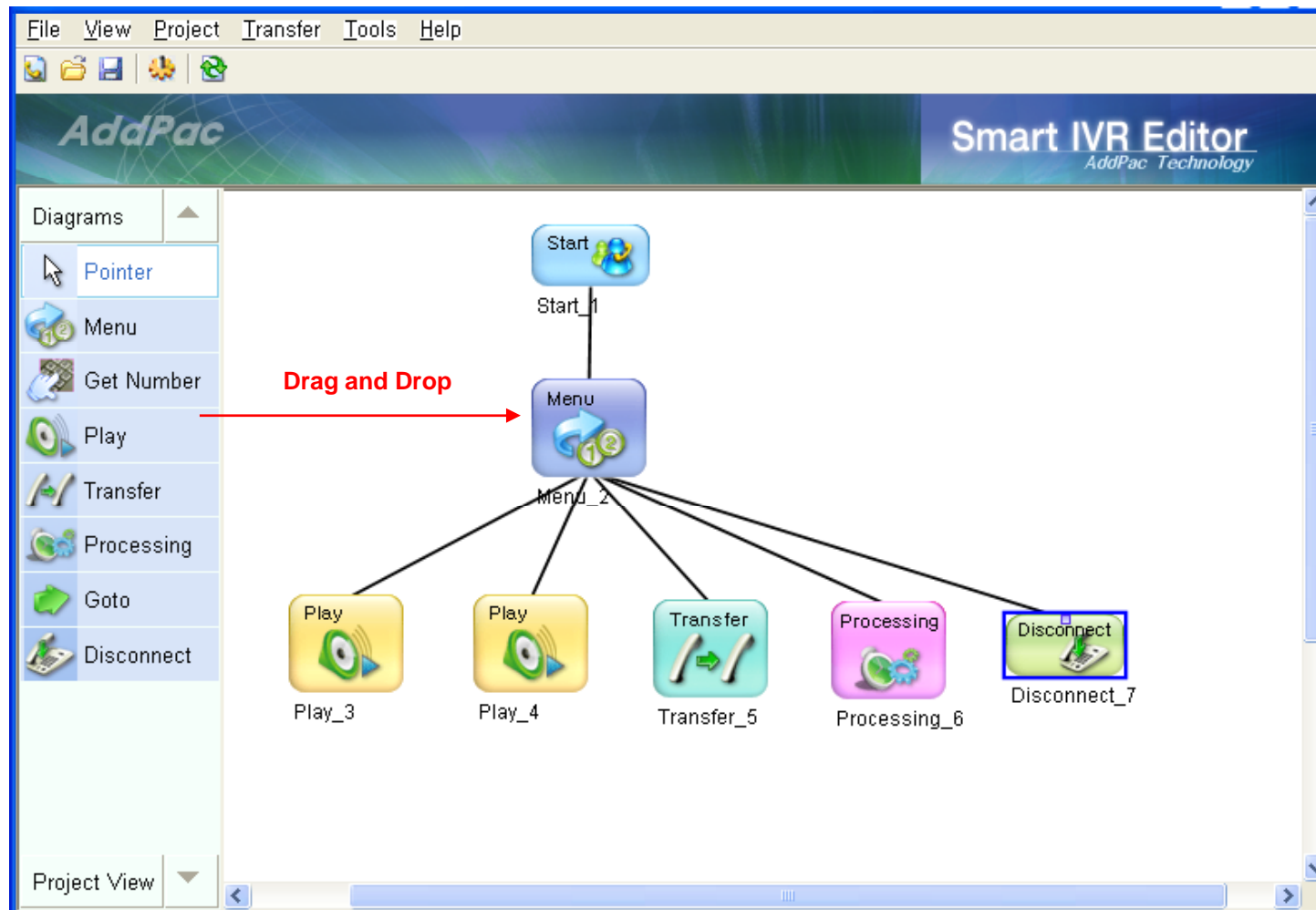
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**AddPac**

# GUI Based IVR Editor

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# IVR Compile Error Checking

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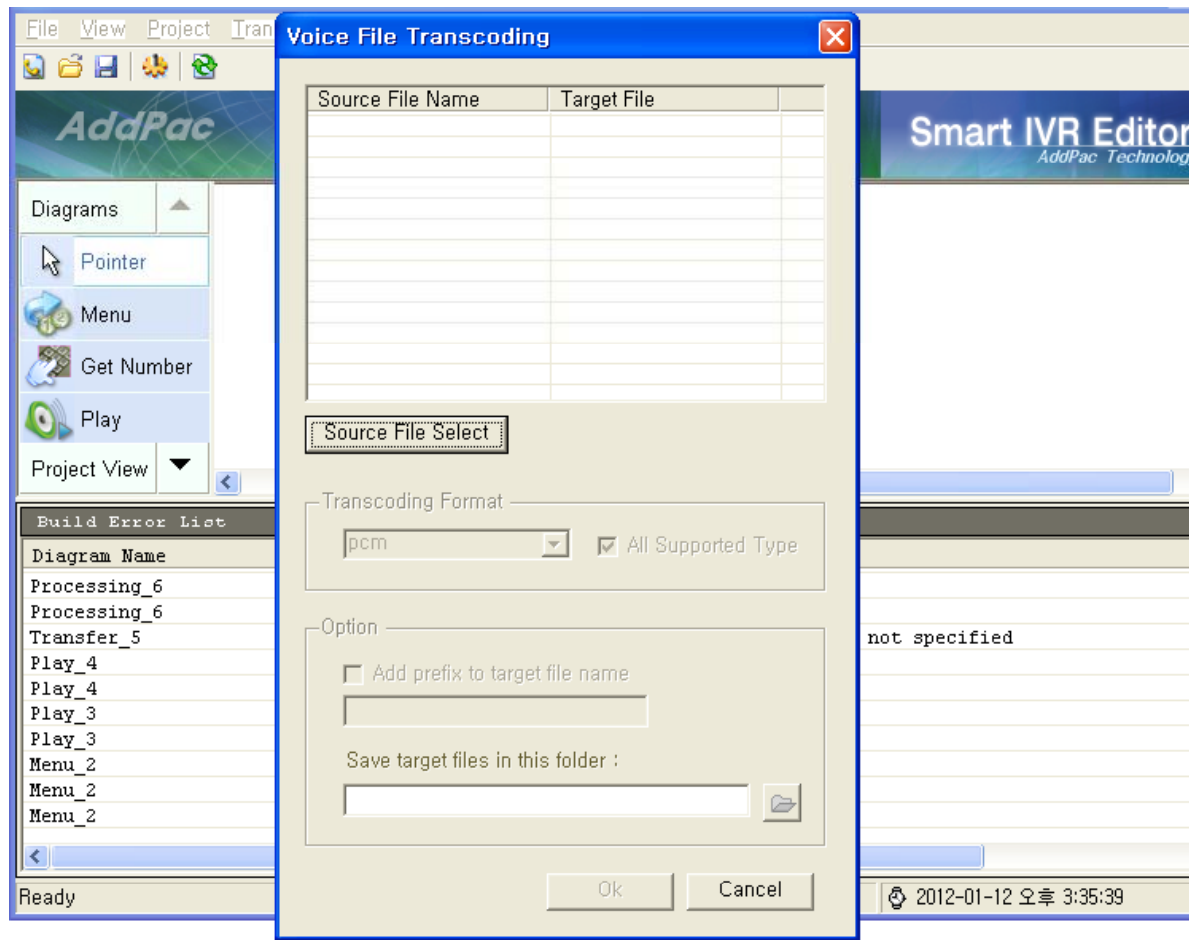
The screenshot displays the Smart IVR Editor software interface. The main window shows a diagram with a 'Start' node connected to a 'Menu' node. The 'Build Error List' window is open at the bottom, displaying a table of errors.

Diagram Name	Diagram ID	Description
Processing_6	6	The next diagram does not exist
Processing_6	6	System API is not selected
Transfer_5	5	The transfer destination value is not specified
Play_4	4	The next diagram does not exist
Play_4	4	Play list have no play item
Play_3	3	The next diagram does not exist
Play_3	3	Play list have no play item
Menu_2	2	The noinput link is unspecified
Menu_2	2	The nomatch link is unspecified
Menu_2	2	Unspecified branch link exist

**Compile Error**

# Voice File Transcoding

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# IVR Cluster Management

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The screenshot shows a management console window titled "IVR Server Cluster" with a sub-dialog box titled "IVR Server Cluster Properties". The dialog box contains the following fields and tables:

Cluster Name: default  
Description: 0000

IVR Servers	
Name	IP Address
Slave	172.17.250.251
Master	172.17.250.250
ACS1000	172.17.216.250

IVR Server Cluster	
Name	IP Address
Master	172.17.250.250
Slave	172.17.250.251
ACS1000	172.17.216.250

Cluster for Redundancy

Ok Cancel

# IVR Scenario

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The screenshot displays the AddPac IVR Management web interface. On the left is a navigation tree with categories like System Management, Smart Directory Management, User Management, Device Management, Fault Management, Call Management, Conference Management, Presence Management, Media Management, Unified Messaging Management, Call Recording Management, IVR Management, Transcoding Management, RTP Proxy Management, and Chating Management. The IVR Management section is expanded to show System, IVR Server, IVR Server Cluster, Configuration, IVR Scenario, IVR Service, Monitoring, IVR Service Monitoring, and IVR Session Monitoring. The main panel, titled 'IVR Scenario List', shows a table with columns for Scenario Name, Scenario Number, and Description. The table lists various scenarios such as 'attendant', 'addpac-07-01-16', 'addpac-08-07-10-hol8', 'addpac-08-07-10-hol7', 'lscable6', 'main2', 'qing out', 'tech queing timeout', '1234', 'LS-09-09-25-day', 'kwangjujigu-09-11-20', 'kwangjujigu-10-06-27', and 'AMC'. The 'AMC' scenario has a description in Korean: '건국AMC음원변경'. Below the table, the text 'Scenario List' is written in red.

Scenario Name	Scenario Number	Description
attendant		Auto Attendant scenario
addpac-07-01-16	0006	
addpac-08-07-10-hol8	0004	
addpac-08-07-10-hol7	0005	
lscable6		lscable4
main2		
qing out		모든 상담원이 통화중입니다
tech queing timeout		기술지원팀 전용
1234	0009	
LS-09-09-25-day		
kwangjujigu-09-11-20		
kwangjujigu-10-06-27		
AMC	0010	건국AMC음원변경

Scenario List

# IVR Service Address

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The screenshot shows the 'Add a New IVR Service' dialog box in the AddPac IVR Management interface. The dialog is overlaid on a table of existing IVR services. The table has columns for 'No.', 'Scenario Name', and 'Schedule'. The dialog fields are as follows:

No.	Scenario Name	Schedule
1	addpac-07-01-16	☺
2	addpac-08-07-10-hol7	☺
3	addpac-08-07-10-hol8	
4	kwangmeaong-10-02-23	
5	1234	
6	AMC	

The 'Add a New IVR Service' dialog box contains the following fields and options:

- Service Name: ARS568-3848
- Description: ARS568-3848
- Service Number: 0006
- IVR Server Cluster: default
- Scenario Name: addpac-07-01-16
- Partition: service\_number (with an [Edit](#) link)
- Codec: G.711 ulaw
- Frame per Packet: 2
- Enable IVR Service (with an [IVR Schedule](#) link)
- Buttons: Ok, Cancel

# IVR Schedule

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The screenshot displays the configuration interface for the IVR Schedule. The main window shows a tree view on the left with categories like System Management, Smart Directory Management, User Management, Device Management, Fault Management, and Call Management. Under Call Management, the 'Schedule Template' folder is expanded, showing sub-items like 'holiday', 'workingday', and 'holiday'. The 'ScheduleTemplate Properties' dialog box is open, showing a 'Schedule List' table with one entry: '1 lunchtime'. Below the table, there are sections for 'Day', 'Day Template', 'Week', and 'Hour', each with a 'Use' checkbox and configuration options. The 'Day' section has 'Start Date' and 'End Date' set to '2008년 5월 23일 금요일'. The 'Day Template' section has 'holiday' selected. The 'Week' section has 'Use' unchecked. The 'Hour' section has 'Start Time' and 'End Time' set to '오전 9:29:47' and '오전 9:29:47' respectively, with a note 'am 12:00:00 => 00:00:00' and 'pm 12:00:00 => 12:00:00'. Buttons for 'OK', 'Cancel', and 'Apply' are at the bottom.

No.	Schedule Name	Description
1	lunchtime	

**Day**

Use    Start Date: 2008년 5월 23일 금요일    End Date: 2008년 5월 23일 금요일

**Day Template**

Use    holiday

**Week**

Use     Mon     Tue     Wed     Thu     Fri     Sat     Sun

**Hour**

Use    Start Time: 오전 9:29:47    End Time: 오전 9:29:47  
am 12:00:00 => 00:00:00    pm 12:00:00 => 12:00:00

OK    Cancel    Apply



# IVR Session Monitoring

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IVR Session Monitoring

Call ID	IVR Scenario	Scenario Number	Start Time	Codec	Duration (sec)	Calling N
<b>IVR Session List for IVR Servers</b>						



# RBT(Ring Back Tone) Service

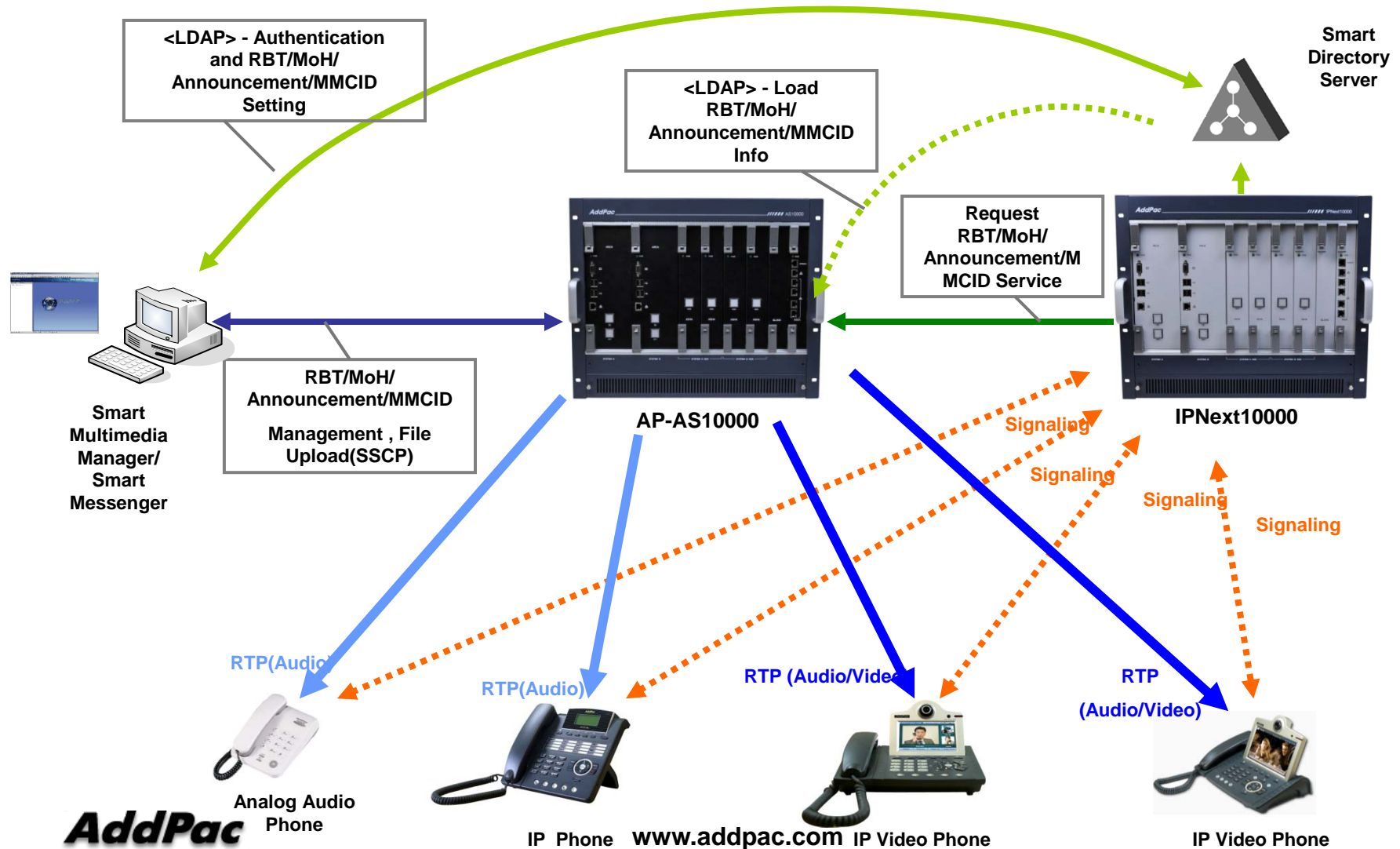
# RBT Service Functions

AP-AS10000 Next Generation Multimedia Application Server

- Provides Ring Back Tone Service
- Provides Music on Hold Service
- Provides Multimedia Caller ID Service
- Address Pool Based Scalable Architecture
- RBT Server System Management
- RBT Server Cluster Management
- Announcement Package Management
- Announcement Version Management
- Personal RBT and MoH(Music on Hold) Service
- RBT Synchronize
- RBT System Monitoring
- RBT Session Monitoring

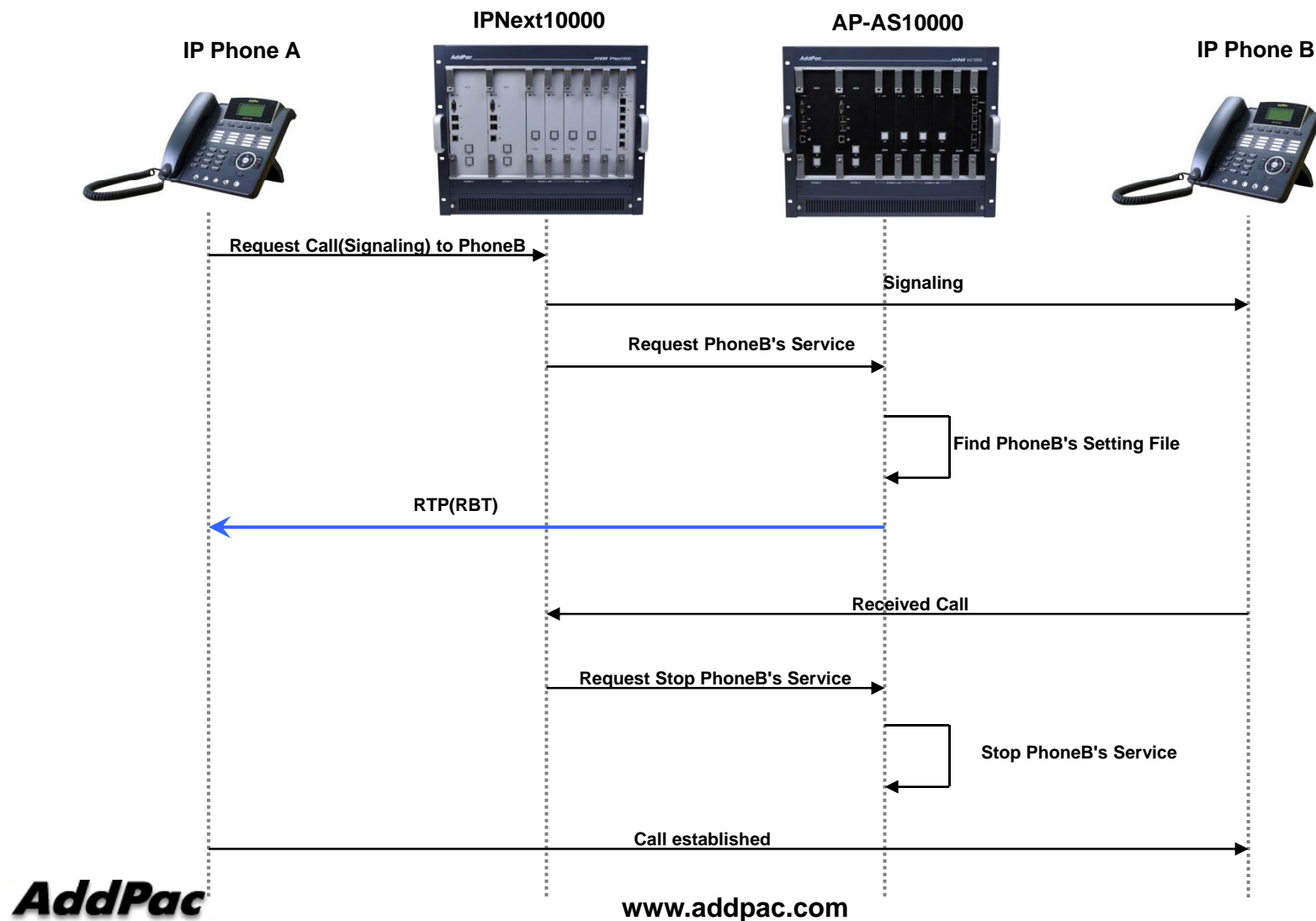
# RBT Service Data Flow Diagram

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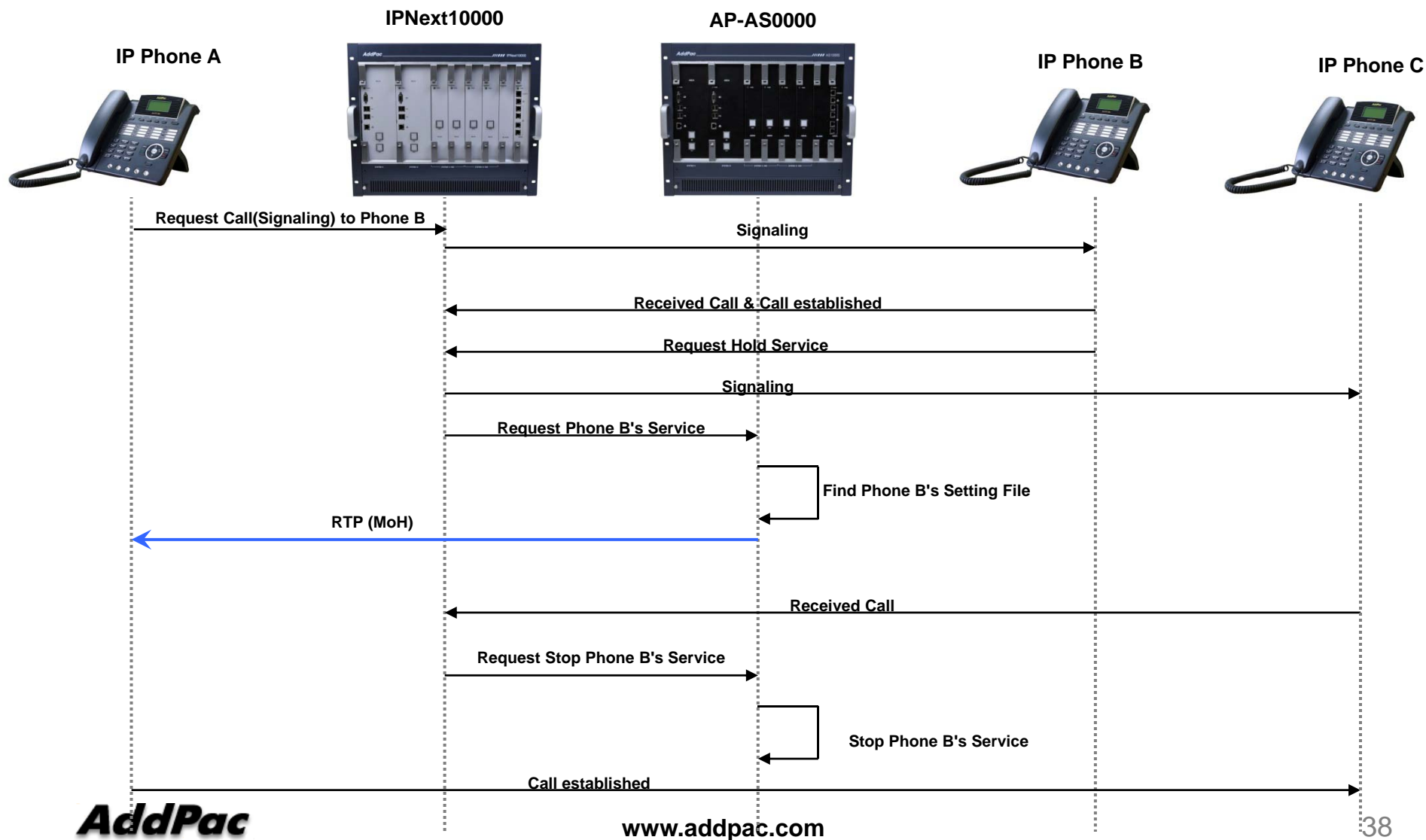
# RBT Service Call Flow Diagram (Ring Back Tone)

AP-AS10000 Next Generation Multimedia Application Server



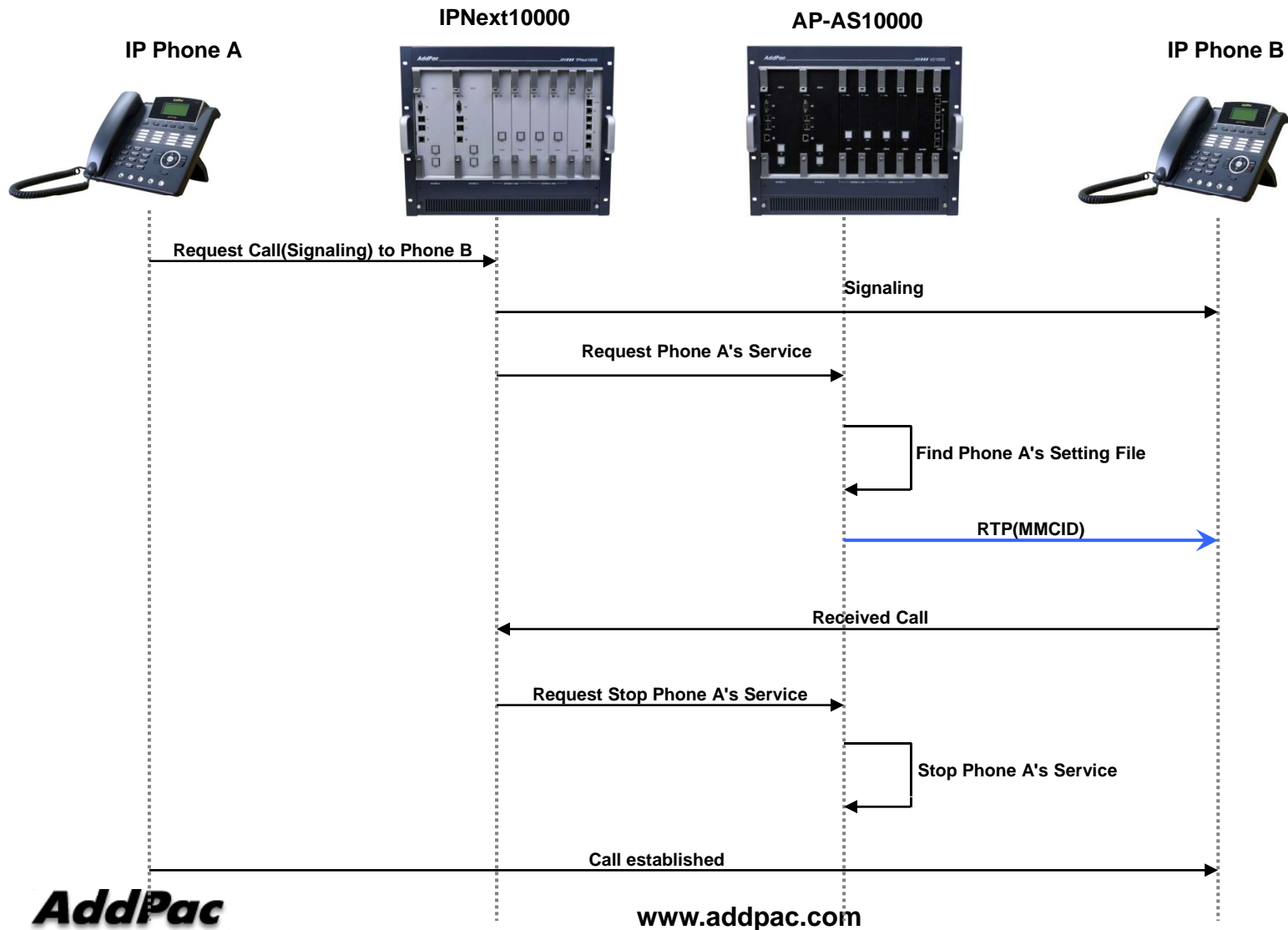
# RBT Service Call Flow (MoH: Music on Hold)

AP-AS10000 Next Generation Multimedia Application Server



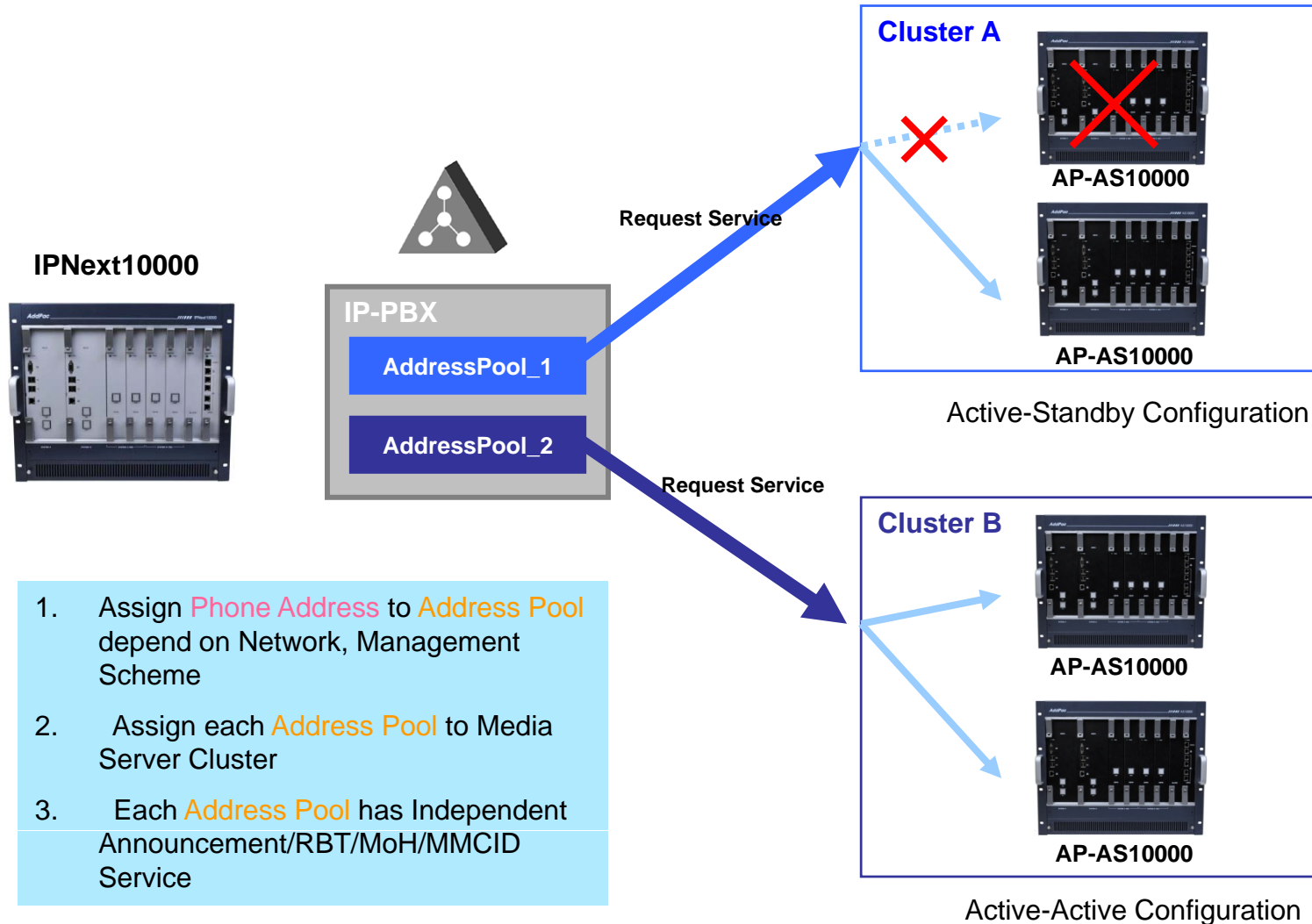
# RBT Server Call Flow(MMCID:Multimedia Caller ID)

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# RBT Service Address Pool and Cluster

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# RBT Service Support Codec

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Audio/Video	Codec
Audio	G711u
	G711a
	G729
Video	MPEG4
	H.263

# Announcement Service

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Service	Name	Description
<b>Dial Tone</b>	Normal Dial-tone	Hearing Tone When off-Hook("ttou")
	Virtual Dial-tone	Hearing tone when a user try to external outbound call (9T). Little bit difference with normal tone
	Consult tone	Hearing tone when a user transfer call("ttou", "ttou")
<b>Announcement</b>	Connect	Call will be connected
	Retry	Sorry, retry to call connect
	No Number	Sorry, Phone Number is not available
	Over Count	Retry count number is over.
	Busy	Sorry, this phone line is busy
	No Answer	Sorry. User doesn't answer
	System Normal Fail	Sorry, call connection is not available at this time
	Network Busy	Sorry, Network is busy, please retry after moment.
	System overload	Sorry, this call is restricted by license, please rety after moment
<b>Default RBT/MoH</b>	Ring back tone	Default RBT
	Music On Hold	Default MoH
	Call Waiting tone	Call Waiting tone

# RBT Server Cluster Management

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The screenshot displays the AddPac management console interface. On the left, a tree view shows the navigation structure, including 'Media Management' and 'Media Server Cluster'. The main window shows the 'Media Server Cluster Properties' dialog box. The 'Cluster Name' field is set to 'default'. The 'Description' field is empty. Below these fields are two tables: 'Media Servers' and 'Media Server Cluster'. The 'Media Server Cluster' table contains the following data:

Name	IP	Role
Master	172.17.250.250	master
Slave	172.17.250.251	slave
ACS1000	172.17.216.250	slave

The text 'Cluster for Redundancy' is displayed in red below the 'Media Server Cluster' table. The dialog box also includes 'Ok' and 'Cancel' buttons at the bottom right.

# Announcement Package Management

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Smart Mult

Package Management

Media Server Cluster: All

No.	Media Server Cluster	Package ID	Version	Description	Language
1	default	8	8.48	cm_v8.48 package	한국어
2	default	9	8.48	cm_v8.48 package	en
3	default	10	8.50	cm_v8.50 package	한국어
4	default	11	8.50	cm_v8.50 package	en

Multiple Announcement Packages

# Announcement File Management

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The screenshot displays the 'Announcements Management' window. At the top, there are input fields for ID (400120), Name (Retry), Description (내선 번호 재 시도 안내), and Language (한국어). Below this is a 'File List' table with the following data:

No.	File Type	Media Type	Version	File Name	Uploaded Time	Codec	Play
1	package	Audio	8.48	400120_kr_v8.48.audio...	20090516 15:58: ...	g711u/g729	
2	package	Audio	8.50	400120_kr.audio.pcm.p...	20100127 20:09: ...	g711u/g729/...	

Below the table, there is a red text overlay: **Announcement File Uploading and Play**. At the bottom of the dialog, there is a '>>> Upload' link and 'OK' and 'Cancel' buttons. The background shows a tree view of system components and a list of other announcements.

# Personal Media Service

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The screenshot displays the 'Media File Management' window. The 'Service Address' section includes fields for Name (활우선 상무), Address (1002), Path (/5F), and Description (반갑습니다.). The 'File List' table contains one entry:

No.	Media Type	File Name	File Size(kb)	Uploaded Time	Codec	Play
1	Audio	My Story - Brow...	2554	20080123 23:09:58		

Below the table, there is an 'Upload File' section with a file selection button, a progress bar, and status indicators: 'Transfer Size : 0/0 MB' and 'Speed: 0 KB/s'. At the bottom, there are 'Upload', 'Cancel', and 'Exit' buttons. A red text overlay reads 'Personal RBT/MoH/MMCID File Uploading and Play'. The background shows a tree view of system components like Fault Management, Call Management, and Media Management.

# RBT Service Synchronize

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Smart Mult

File View Search Tools Help

Configuration

- System Announcement Service
- Package Management
- Announcement Setting
- Personal RBT & MOH Service
- RBT & MoH Configuration
- Service Address
- Service Phone Users
  - 2F [4]
  - 5F [3]
  - Smart work [0]
  - 기술본부 [0]
  - 하드웨어 [0]
  - 멀티미디어 [0]
  - 플랫폼 [0]
  - Factory [14]
  - DEMO [20]
- RBT Synchronize
- Monitoring
  - Media Service Monitoring
  - Media Session Monitoring
- Unified Messaging Management
- Call Recording Management
- IVR Management
- Transcoding Management

RBT Synchronize

Filter

Filter Name Rule Word [Advanced Search](#)

Message Box begins with Garbage Find

None Exist File List Garbage List

No.	File Name	Path
1	UUID_2100_44049_100011_serenade_jim brickman...	/hd/addpac//personal_0000003
2	UUID_2100_44049_100011_serenade_jim brickman...	/hd/addpac//personal_0000003

Personal Garbage File List

172.17.250.251 : Connected ok!

# Session Monitoring

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The screenshot shows the 'Media Session Monitoring' web interface. The left sidebar contains a navigation tree with the following items:

- Announcement Setting
- Personal RBT & MOH Service
- RBT & MoH Configuration
- Service Address
- Service Phone Users
  - 2F [4]
  - 5F [3]
    - Smart work [0]
    - 기술본부 [0]
    - 하드웨어 [0]
    - 멀티미디어 [0]
    - 플랫폼 [0]
  - Factory [14]
  - DEMO [20]
- RBT Synchronize
- Monitoring
  - Media Service Monitoring
  - Media Session Monitoring**
- Unified Messaging Management
- Call Recording Management
- IVR Management
- Transcoding Management
- RTP Proxy Management
- Chating Management

The main content area is titled 'Media Session Monitoring' and displays three sections:

- RBT**: A table with columns: No., Call Manager, Media Type, Calling Address, Calling User, Called Address, Called User. A red watermark 'Session Monitoring' is overlaid on the table.
- MoH**: A table with columns: No., Call Manager, Media Type, Calling Address, Calling User, Called Address, Called User.
- CID**: A table with columns: No., Call Manager, Media Type, Calling Address, Calling User, Called Address, Called User.





# UMS(Unified Messaging Service )

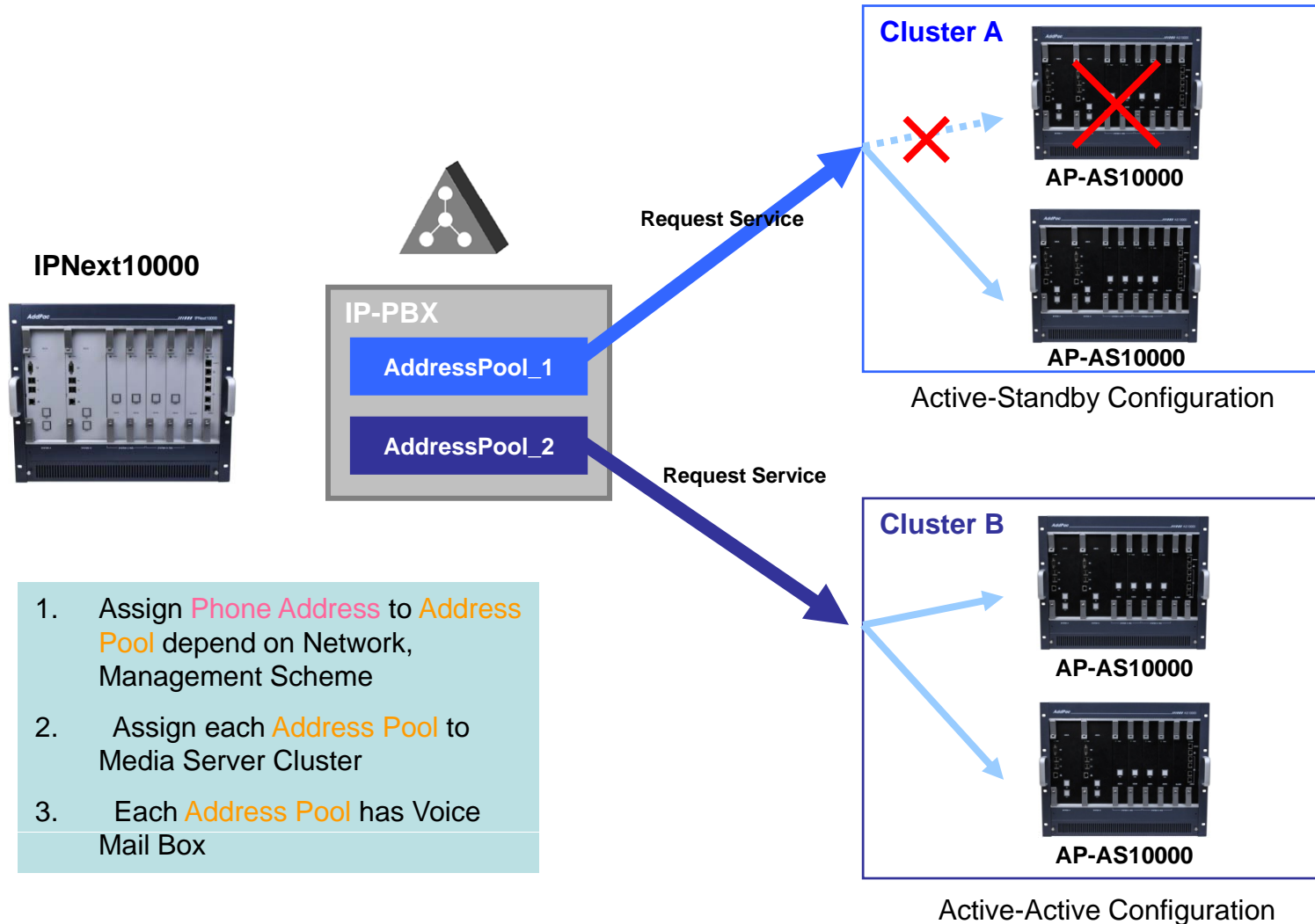
# UMS Service Main Functions

AP-AS10000 Next Generation Multimedia Application Server

- UMS Server System Management (search/modify/delete/save)
- UMS Server Cluster Management (search/modify/delete/save)
- UMS Server Email Notification Setting (SMTP Server)
- Address Pool Management (search/modify/delete/save)
- Create Message Box from unassigned address
- Default Unified Message Box Configuration (HDD Quota, Email Notification, Account Blocking)
- Personal Unified Message Box Configuration (HDD Quota, Email Notification, Account Blocking)
- Unified Message Box Management (initialize/move/delete)
- Unified Message Management (move/delete)
- Real-time UMS List Search
- Synchronize Message Box
- UMS Server System Performance and Status Monitoring (CPU/Memory/HDD/Traffic)
- UMS Session Monitoring

# UMS Service Address Pool and Cluster

AP-AS10000 Next Generation Multimedia Application Server



1. Assign Phone Address to Address Pool depend on Network, Management Scheme
2. Assign each Address Pool to Media Server Cluster
3. Each Address Pool has Voice Mail Box

# UMS Service System Management

## AP-AS10000 Next Generation Multimedia Application Server

The screenshot displays the Smart Multimedia Manager interface. On the left, a tree view shows the navigation structure, with 'Add Unified Messaging Server' highlighted under the 'Unified Messaging Management' section. The main window shows a table of existing devices. A context menu is open over the 'UIMS Server' entry, and a dialog box titled 'Add a New Unified Messaging S...' is displayed. The dialog contains the following fields:

- Name: UMS\_1000
- Description: (empty)
- Model Name: AP-UIMS1000
- Device Pool: default
- Service Access Point: (empty)
- IP Address: (empty)
- Control Port: 5101
- Network Domain: private

Red arrows and a bracket highlight the dialog box and the 'Add Unified Messaging Server' menu item, with the text 'New UMS Server Registration Information' written in red.

Device Name	Model	Status	IP Address	Device Pool	Description
testBroadCast	AP3120	Static	172.16.3.151	default	
PS2000	AP-PS2000	Static	172.17.250.249	default	
VP350	AP-VP350MCU	Static	61.33.161.124	default	
VC2000	AP-VP350MCU	Static	61.33.161.29		
MC3000	AP-MC3000	Static	172.17.215.111		
MC1000_test	AP-MC1000	Static	172.17.250.248		
UIMS Server					
RBT1000					

# UMS Service Cluster Management

AP-AS10000 Next Generation Multimedia Application Server

The screenshot displays the Smart Multimedia Manager interface. A context menu is open over a table listing UMS Clusters, with the 'Add Unified Messaging Cluster' option highlighted. A red arrow points from this menu item to the 'Unified Messaging Server Cluster Properties' dialog box. The dialog box contains the following fields and tables:

- Cluster Name: UMS Cluster
- Description: (empty)
- Unified Messaging Servers table:

Name	IP
- Unified Messaging Server Cluster table:

Name	IP	
UMS Server	172.17.250.246	master

Buttons for 'Ok' and 'Cancel' are visible at the bottom of the dialog box. A red text label 'UMS Server Cluster Setting' is positioned to the right of the dialog box.

# UMS Service Email Notification Setting

AP-AS10000 Next Generation Multimedia Application Server

Smart Multimedia Manager - [Unified Messaging Servers - 172.17.250.250]

Advanced Smart Multimedia Manager

No.	Name	Model	IP	Status	Description
1	UMS Server	AP-UMS1000	172.17.250.246	In Service	

Unified Messaging Server

Unified Messaging Server: UMS Server

Service Address Point

IP Address: 172.17.250.246

Port: 5101

Network Domain: private

SMTP Server

IP Address: 61.33.161.2  
ex) addpac.com or 127.0.0.1

Port: 25

Email Account: ysllee@addpac.com

Enable Service

OK Cancel

**UMS Server SMTP Setting to send a mail with attached file**

2008-09-24 오후 5:22:39 Version 3.4.3174 172.17.250.250:389 Administrator Alarm Level : Normal

# Address Pool Management

AP-AS10000 Next Generation Multimedia Application Server

**Address Pool - 172.17.250.250**

No.	Address Pool Name	Description
1	default	
2	address_pool	

**Address Pool Properties**

General | Phone Number

Address Pool Name: address\_pool

Description:

Media Server Cluster: RBT

**Unified Messaging Server Cluster: UMS Cluster**

**UMS Server Cluster Setting**

**Address Pool Properties**

General | Phone Number

Filter

Filter Name: Address, Rule: begins with, Word: , Advanced Search, Find

Address

Address	Partition
1000	2F_internal_ext.
1001	3F_internal_ext.
1002	5F_internal_ext.
1003	3F_internal_ext.
1004	5F_internal_ext.
1005	5F_internal_ext.
1006	5F_internal_ext.
1007	5F_internal_ext.
1008	5F_internal_ext.
1009	5F_internal_ext.
1010	5F_internal_ext.
1011	3F_internal_ext.

**Address List Setting In Address Pool**

# Unassigned Address Configuration

(Create message box from unsigned address)

AP-AS10000 Next Generation Multimedia Application Server

Smart Multimedia Manager

Advanced Smart Multimedia Manager

Smart Directory Servers

- 172.17.250.250 (172.17.250.250:389)
  - Smart Directory Management
  - User Management
  - Device Management
  - Fault Management
  - Call Management
  - Conference Management
  - Presence Management
  - Media Management
  - Unified Messaging Management
    - System
      - Unified Messaging Server
      - Unified Messaging Server C
      - Configuration
        - Message Box Configuration
          - Unified Message Box
          - Unassigned Address
          - Synchronize Message Box
  - Monitoring

Unassigned Address

Filter

Filter Name Rule Word [Advanced Search](#)

Phone Number begins with Find

Create max count: 400

No.	Address Pool	Address	Partition	Path	User	Description
124	address_pool	5002	Factory_inte...	/Factory	ihlee	
125	address_pool	5003	Factory_inte...	/Factory	ykkim	
126	address_pool	5004	Factory_inte...	/Factory	parkh	
127	address_pool	5005	Factory_inte...	/Facto		
128	address_pool	5006	Factory_inte...	/Facto		F5
129	address_pool	5007	Factory_inte...	/Factory		
130	address_pool	5008	Factory_inte...	/Factory	hhm	
131	address_pool	5009	Factory_inte...			
132	address_pool	5010	Factory_inte...	/Factory	ictak	
133	address_pool	5011	Factory_inte...	/Factory	dsjang	
134	address_pool	5012	Factory_inte...	/Factory	5012	
135	address_pool	5013	Factory_inte...			
136	address_pool	5014	Factory_inte...			
137	address_pool	6000	external_Lext...			
138	address_pool	6001	external_Lext...			
139	address_pool	6005	external_Lext...			
140	address_pool	6006	external_Lext...			
141	address_pool	6010	external_Lext...			
142	address_pool	6011	external_Lext...			
143	address_pool	6012	external_Lext...			

Total Numbers : 185

Message

Create message box succeeded!

확인

Select Unassigned Address to create message box

Message Box Created

2008-09-25 오전 9:24:14 Version 3.4.3174 172.17.250.250:389 Administrator Alarm Level : Normal



# Unified Message Box(1) (use default setting)

AP-AS10000 Next Generation Multimedia Application Server

The screenshot displays the Smart Multimedia Manager interface. On the left is a tree view of the system configuration, including sections like Smart Directory Management, User Management, Device Management, Monitoring, Fault Management, Call Management, System, Configuration, and Unified Messaging Management. The 'Message Box Configuration' dialog box is open in the center, showing the following settings:

- Configuration section:
  - Audio Message Length(seconds): 1 ~ 60
  - Video Message Length(seconds): 1 ~ 60
  - HDD Quota(MB): 30
- Received Message Media Type:  Audio,  Audio + Video
- Over HDD Quota:  Delete Old Message,  Block New Message
- Enable Email Notification:  (with sub-options for Attach File To Email and Delete File After Email Notification)
- Enable Account Blocking:  (with Password Fail Count set to 10)

At the bottom of the dialog are 'OK' and 'Cancel' buttons. A red arrow points from the text 'Created message box default configuration' to the dialog box.

# Unified Message Box(2)(use personal setting)

AP-AS10000 Next Generation Multimedia Application Server

The screenshot displays the Smart Multimedia Manager interface. On the left, a tree view shows the 'Unified Message Box' configuration. The main window shows a table of message boxes with columns for No., Address Pool, Address, Partition, Path, and User. A red box highlights the 'Properties' option in the context menu for row 79. A red arrow points from this menu item to the 'Phone Number Properties' dialog box. The dialog has two tabs: 'General' and 'Relational Information'. The 'General' tab is active, showing fields for Generation (Single selected), Phone Number (1235), Range Number, Increment (1), Description, External Phone Number, AAR Group (N/A), and Address Pool (address\_pool). Below these fields are tabs for 'Inbound', 'Outbound', 'Call Forwarding', and 'Unified Message'. The 'Unified Message' tab is selected, and a red box highlights the 'Use Personal Configuration' checkbox. A red text annotation reads 'Use Personal Configuration For specific address's message box'. Other settings in this tab include Audio Message Length (1), Video Message Length (1-60), HDD Quota (30), Received Message Media Type (Audio selected), Over HDD Quota (Delete Old Message selected), and checkboxes for Enable Email Notification, Attach File To Email, Delete File After Email Notification, Create Message Box, and Enable Message Box. The dialog has 'Ok' and 'Cancel' buttons at the bottom.

No.	Address Pool	Address	Partition	Path	User
73	address_pool	1224	5F_intern...		
74	address_pool	1225	5F_intern...		
75		1226	5F_intern...		
76		1227	5F_intern...		
77	default	1228	5F_intern...		
78	default	1229	5F_intern...		
79	address_pool	1235	5F_intern...	555/5F/BCN/U...	
80	address_pool	1300	5F_intern...		
81	address_pool				
82	default				
83	default				
84	default				
85	default				
86	default				
87	default				
88	default				
89	default	1336	5F_intern...		

# Unified Message Box(3) (General management)

AP-AS10000 Next Generation Multimedia Application Server

The screenshot displays the 'Smart Multimedia Manager' interface. The main window is titled 'Unified Message Box' and contains a table of message boxes. A search filter is visible at the top left, and a context menu is open over the table, showing options like 'Initialize Message Box', 'Move Message Box', and 'Delete Message Box'. A red arrow points to the context menu with the text 'UMS Message Box Management'. The table has columns for No., Address Pool, Address, Partition, Path, User ID, Message, Inbox, Savebox, Quota(MB), Used(KB), Blocking, and Blocking Reason. The status bar at the bottom shows 'Total Numbers : 158', 'Message Box Numbers : 101', and 'Garbage Numbers : 57'.

No.	Address Pool	Address	Partition	Path	User ID	Messa...	Inbox	Savebox	Quota(MB)	Used(KB)	Blocking	Blocking Reason
73	address_pool	1224	5F_intern...				0	0	30	0		
74	address_pool	1225	5F_intern...				0	0	30	0		
75	address_pool	1226	5F_intern...				0	0	30	0		
76	address_pool	1227	5F_intern...				0	0	30	0		
77	default	1228	5F_intern...				0	0	30	0		
78	default	1229	5F_intern...				0	0	30	0		
79	address_pool	1235	5F_intern...	.../5F/BCN/U...	1235		0	0	30	0		
80	address_pool	1300	5F_intern...				0	0	30	0		
81	address_pool	1301	5F_intern...				0	0	30	0		
82	default	1302	5F_intern...				0	0	30	0		
83	default	1303	5F_intern...				0	0	30	0		
84	default	1304	5F_intern...				0	0	30	0		
85	default	1305	5F_intern...				0	0	30	0		
86	default	1333	5F_intern...				0	0	30	0		
87	default	1334	5F_intern...				0	0	30	0		
88	default	1335	5F_intern...				0	0	30	0		
89	default	1336	5F_intern...				0	0	30	0		

# Unified Message Box(4) (Message Management)

AP-AS10000 Next Generation Multimedia Application Server

The screenshot displays the Smart Multimedia Manager interface. The main window is titled "Unified Message Box" and contains a filter section with "Filter Name" set to "Phone Number" and "Rule" set to "is exactly". A context menu is open over the "Message List" button, with options: "Initialize Message Box", "Move Message Box", "Delete Message Box", "Message List", "Refresh F5", and "Properties". A red arrow points from the "Message List" button to the "Unified Messaging List" window.

The "Unified Messaging List" window shows a table of messages in the "Inbox[5]" folder. A context menu is open over the first row, with options: "Move Message", "Delete Message", "Delete Message Option", "Delete Directory", and "Refresh F5". A red arrow points from the "Move Message" option to the text "UMS Message Management".

Red annotations include "Check UMS Message" pointing to the context menu in the Unified Message Box window, and "UMS Message Select" pointing to the first row in the Unified Messaging List window.

No.	Address	Partition	Path	User	Start Time	Duration	Size(KB)	Type	Audio Co...	Video Co...
1	1225				2008-08-04 16:18:06	00:00:04	32	audio	G711U	
2	1228				2008-07-14 13:06:40	00:00:01	10	audio	G711U	
3	1228				2008-07-09 17:28:30	00:00:01	11	audio	G711U	
4	1228				2008-07-09 17:24:32	00:00:04	26	audio	G711U	
5	1228				2008-07-09 17:23:35	00:00:05	42	audio	G711U	

Address : 1213 User : bmlee Quota : 30MB Used : 211KB

# Synchronize Message Box

AP-AS10000 Next Generation Multimedia Application Server

Smart Multimedia Manager - [Synchronize Message Box]

Advanced Smart Multimedia Manager

Filter

Filter Name Rule Word [Advanced Search](#)

Phone Number begins with Find

No.	Address Pool	Address	Partition	Path	User	Description
1	default	1018				
2	default	1099				

Synchronize Refresh

Synchronize non-exist message box

Message

Synchronize message box successfully.

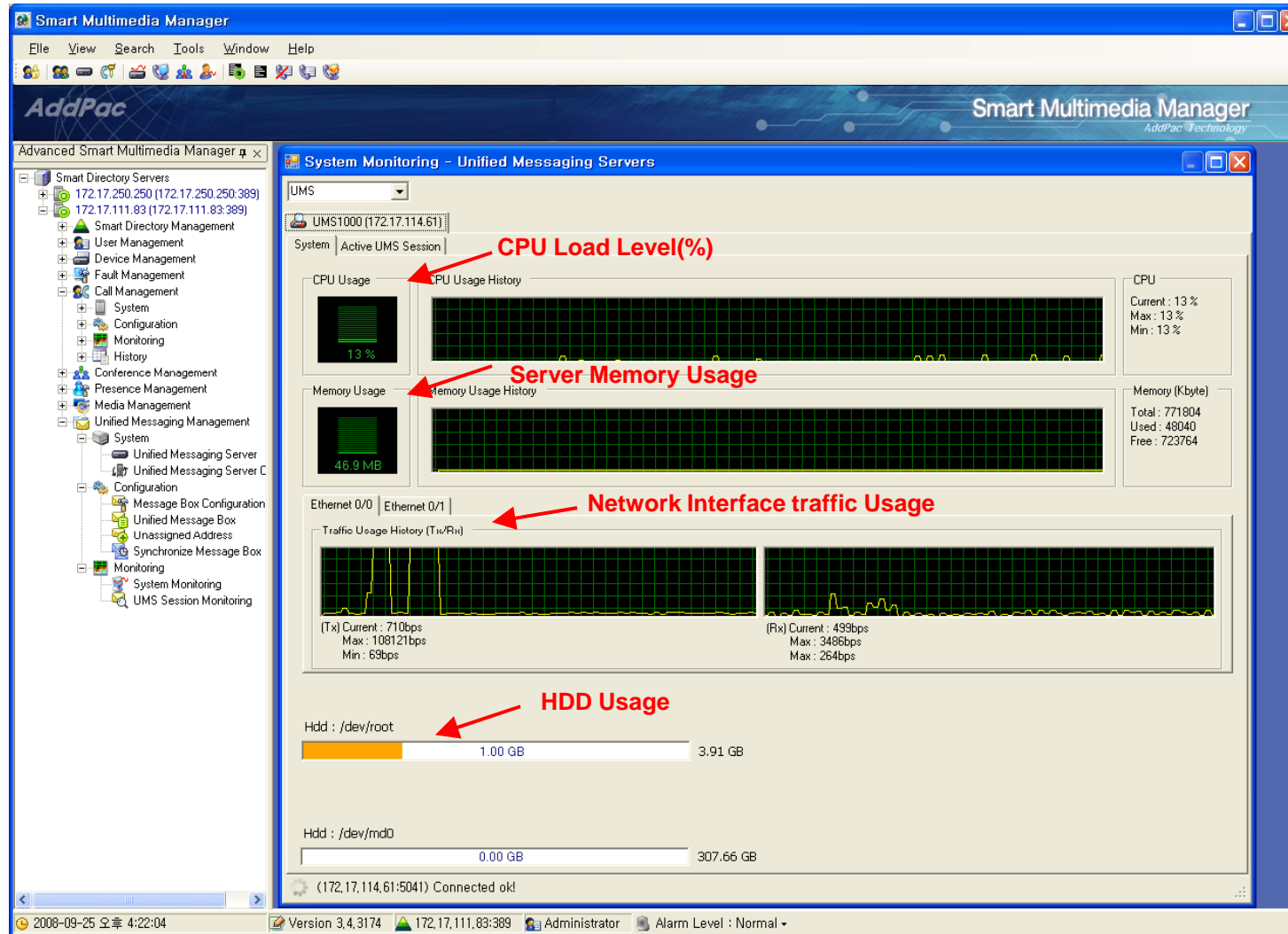
확인

Total Numbers : 0

2008-09-24 오후 5:35:10 Version 3.4.3174 172.17.250.250:389 Administrator Alarm Level : Normal

# System Performance Monitoring

AP-AS10000 Next Generation Multimedia Application Server



# Active UMS Session Monitoring

AP-AS10000 Next Generation Multimedia Application Server

The screenshot displays the 'Smart Multimedia Manager' software interface. The main window is titled 'System Monitoring - Unified Messaging Servers'. On the left, a tree view shows the navigation structure, including 'Smart Directory Servers', 'System', and 'Monitoring'. The main content area shows a 'UMS Cluster' dropdown set to 'UMS Server (172.17.250.246)'. Below this, there are two panels: 'UMS Session' and 'UMS Session History'. The 'UMS Session' panel contains a small green bar chart with the number '2' below it, representing the current session size. A red arrow points from the text 'UMS Session Size' to this panel. The 'UMS Session History' panel is an empty grid. A button labeled 'UMS Session Monitoring..' is located to the right of the history panel, with a red arrow pointing from the text 'UMS Session Monitoring' to it. At the bottom of the window, a status bar shows '(172, 17, 250, 246:5041) Connected ok!'. The Windows taskbar at the bottom indicates the date and time as '2008-09-25 오후 4:28:24', the version as 'Version 3.4.3174', and the user as 'Administrator'.

# Active UMS Session List Monitoring

AP-AS10000 Next Generation Multimedia Application Server

Smart Multimedia Manager - [UMS Session Monitoring]

Advanced Smart Multimedia Manager

UMS Cluster

UMS Server [172.17.250.246]

UMS Session

No.	Call Manager	Calling Address	Calling User	Called Address	Called User	Start Time	Audio Co...	Video Co...	Status
1	172.16.7.90	2000		2001		2008-09-25 02:0...	G711U		Leaving

(172,17,250,246:5101) Connected ok!

2008-09-24 오후 5:05:10 Version 3.4,3174 172.17.250.250:389 Administrator Alarm Level : Normal



# Network Service and Features

AP-AS10000 Next Generation Multimedia Application Server

## Basic Network Protocols

- ARP, IP, IPv6, TCP, UDP, ICMP, ICMPv6, SCTP, IGMP, MLD

## Routing Protocol

- IPv4 : Static
- IPv6 : Static

## Service Protocol

- FTP, Telnet, TFTP, DHCP Server/Relay, SNMP Server
- CDP (Cisco Discovery Protocol)
- DNS Resolver , DDNS(nsupdate)
- Bridge
- Syslog
- IP/IPv6 policy control (QoS)
- VPDN (Virtual Private Dial-up Network : L2TP Server)

# Network Service and Features

AP-AS10000 Next Generation Multimedia Application Server

## IPv4/IPv6 Interworking

- NAT/PAT for IPv4
- IP connect (formerly ip-share) and device cascade for IPv4
- IP/IP, IP/GRE tunneling
- NAT-PT
- 6to4, Autoconfig tunneling

## IPv4 Address Configuration

- Fixed (Static)
- DHCP
- PPPoE

## IPv6 Address Configuration

- Fixed (Static)
- EUI-64
- Autoconfig (Neighbor Advertisement and Solicitation)

# Network Service and Features

AP-AS10000 Next Generation Multimedia Application Server

## **Miscellaneous**

- Cisco Style CLI
- Standard & Extended IPv4/IPv6 Access List
- Multi-level User Account Management
- IP accounting
- fsh (Embedded file system shell)
- STUN Client

# Network Service and Features

AP-AS10000 Next Generation Multimedia Application Server

## SNMP MIBs

- MIB-II
- RMON MIBs (Statistics, History, Alarm, Hosts Group)
- RFC2465 Management Information Base for IP Version 6: Textual Conventions and General Group
- RFC2466 Management Information Base for IP Version 6: ICMPv6 Group
- RFC2452 IP Version 6 Management Information Base for the Transmission Control Protocol
- RFC2454 IP Version 6 Management Information Base for the User Datagram Protocol
- AddPac Enterprise MIBs
- etc

# Ordering Information

- AS-10000 Multimedia Application Server Hardware
- Built-in APOS Internetworking Software for AP-AS10000
- Including 1 Year Hardware Warranty
- Product Documents
  - Install and Operation Guide (PDF)
- Pricing
  - AddPac Technology Regional Sales Manager
  - Authorized Sales and Marketing Representatives
  - Please Contact [www.addpac.com](http://www.addpac.com)

# Multimedia Application Server

**Thank you!**

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