

Web Smart Multimedia Manager (WSMM) IP-PBX Series

AddPac

AddPac Technology

2012, Sales and Marketing

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Overview

What`s New in WSMM (Web based Smart Multimedia Manager)

- Simple Menu and Easy Configuration
- Provides Built-In IVR Scenario Editor and Service Configuration
- Provides easy-to-user IP-PBX System API Services and ways to integration with 3rd party systems
- Integrated voice line management such as **FXS, FXO, E1, GSM, 3G**
- **User portal** to configure personal information, call forwarding
- **Diagnostic tool** to analyze SIP Call flow, current status and problems for terminal and trunk

System Requirement

WSMM (Web based Smart Multimedia Manager)

- Windows XP, Vista, Windows 7, Windows Server 2000/2003
- Linux / Unix Platform
- Microsoft Internet Explorer 7.0 / 8.0 / 9.0
- Google Chrome / Mozilla Firefox / Safari / Opera
- Javascript + HTML supported browser (Android, iPhone, iPad,...)

Login

WSMM Login
Execute web browser to enter the IP address of IP-PBX then WSMM accessible login screen will be displayed.

Administrator Authentication
Enter administrator ID and password to complete authentication by clicking login Smart Multimedia Manager.

Help

The screenshot displays the 'Smart Multimedia Manager' web interface. The main content area is titled 'Add an User Extension' and contains a form with fields for Extension, First Name, Last Name, Voice Mail Password, User Password, Department, Title, Email, Home Phone, Mobile Phone, User ID, Photo, Routing Access List, Terminal Profile, Security Profile, Use RTP Proxy, Generate Ring Back Tone at PBX, and Presentation. A red dashed box highlights a help icon in the 'User Extension' section, with an arrow pointing to a help window. The help window, titled 'Help :: User Extension', provides detailed instructions for setting up an analog extension, including fields for Analog Port, User Extension, and First Name / Last Name.

Help :: User Extension

- Analog Extension**
- > Analog Port**
You should select one of analog FXS port in this PBX. An analog phone or legacy PBX line can be attached to this analog extension. The analog port already assigned to other analog extension will not be shown at the list.
- User Extension**
- > Extension**
This is a phone number of this user. For convenience, it is recommended to assign same digits length to user extensions. This user extension is also a user id for login user portal and default user id for SIP registration for registering SIP phone unless setting User ID option.
- > First Name / Last Name**
This is user's first name and last name like Michel Jackson.

HELP

WSMM provides HELP for each functions. Click HELP to display new screen and detail description of setup is clearly explained in homepage.


Related Links

Smart Multimedia Manager
www.addpac.com

Modify the User Extension

Apply Cancel Advanced Options

User Extension

Extension *	1009	3 - 8 digits
First Name	ByoungGoo	
Last Name *	Choi	
Voice Mail Password *	****	4digits and user portal login
User Password *	1111	For SIP registration
Department	root	Search
Title		ex) manager
Email		ex) admin@addpac.com
Home Phone		ex) 123-456-7890
Mobile Phone		ex) 123-456-7890
User ID		SIP registration ID
Photo	 (Maximum File Size: 100KB) Select Photo	

Routing Access List

Routing Access List: internal

Advanced Options

General Settings

Terminal Profile	default
Security Profile	default
Use RTP Proxy	<input type="checkbox"/>
Back Tone at	<input checked="" type="checkbox"/>
Representation	Default

Description

A user extension is an IP Phone (SIP / SSCP phone) or a soft phone for end user. It is composed of user profile, phone number and terminal belongs to the user.

Related Links

- WSMM User Portal
- Routing Access Lists
- Terminal Profiles
- Security Profiles
- Pickup Group

Related Links

WSMM setup page provides related link functions. Related links helps easy operation of IP-PBX by providing link.

Diagnostic

Smart Multimedia Manager
www.addpac.com

Terminal Diagnostic 1009 (172.16.18.100)

You can check network connectivity from the PBX to the terminal by **Network Connectivity Test** and also you can check SIP awareness of the terminal by checking response message from the terminal by **SIP Aware Test**.

Step 1.

- 1. **Network Connectivity Test** Successfully pinged 172.16.18.100 which is just provisioned to phone. Reply from 172.16.18.100: time=100ms loss=0% **Succeeded**
- 2. **SIP Aware Test** This phone '172.16.18.100' is successfully responding SIP OPTIONS. **Succeeded**

At this step, you can make a test call on the diagnostic terminal to some destination number. If this terminal has problem on local call, the destination could be a local extension otherwise the destination could be mobile or PSTN number. The call trace shows information whether the call is properly handled or not. This test call can be traced only one administrator at same time and simultaneous test call will not be allowed.

1005 Start Outbound Test

Outbound Call Test Make a test call '1005' **Succeeded**

2012-06-12 20:15:36 deviceId: 70 caller: 1009 callee: 1005 Call Test Start.
----- From 1009 (172.16.18.100:5060) -----

SIP/2.0 200 OK
Via: SIP/2.0/UDP 172.16.17.30:5060;branch=z9hG4bKd84f0b0fa411
From: <sip:dial-service@172.16.17.30>;tag=d84f0b0fa4
To: <sip:1009@172.16.18.100>;tag=dc4fa2c5a4
Call-ID: dca3d74f-519d-a2e8-80c5-0002a4038e2c@172.16.18.100
CSeq: 11 INVITE
Session-Expires: 1800;refresher=uac
User-Agent: AddPac SIP Gateway
Contact: sip:1009@172.16.18.100
Require: timer
Content-Type: application/sdp
Content-Length: 179

v=0
o=1009 1339532254 1339532254 IN IP4 172.16.18.100
s=AddPac Gateway SDP
c=IN IP4 172.16.18.100
t=1339532254 0

/AVP 0
0000/1
(172.16.18.100:5060) -----

172.16.17.30:5060;branch=z9hG4bKd84f0b0fa411
service@172.16.17.30>;tag=d84f0b0fa4
172.16.18.100>;tag=dc4fa2c5a4
f-519d-a2e8-80c5-0002a4038e2c@172.16.18.100

1800;refresher=uac
ic SIP Gateway
@172.16.18.100

lication/sdp
179

Step 2.

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Diagnostic

It provides to display terminal and trunk status inspection in IP-PBX

Step 1.

- Network Connection Test
- SIP Aware Test

Step 2.

- Outgoing Call Test

Built-in IVR Scenario Editor

Smart Multimedia Manager
www.addpac.com

IVR Scenarios

Apply Save Cancel

IVR Scenario Properties

Name: addpac
Description:

IVR Scenario sequence

- Start
 - Play
 - Menu (AddPac)
 - Multi
 - Check Extension
 - TRUE
 - Play
 - Transfer
 - FALSE
 - Play (Wrong Number)
 - Goto
 - 0
 - Play (Connect)
 - Transfer
 - 1
 - Play (Connect)
 - Transfer (Voice Mail)
 - 2
 - Play (Announcement)
 - Transfer
 - No Match
 - Play (Thank you)
 - Disconnect
 - No Input
 - Play (Please Press Number)
 - Goto

Menu

This action inputs a single digit or multiple digits from user phone and branches to an event handle by matching input digit.

Name * AddPac
File Path hello_full .Open
 Cancelable
If this option is enabled, you can stop the sound by pressing any key.
Initial Timeout 10
Allowable Count 5
Single Digit
Add Single Digit Event of 3
Multi Digit
Add Multi Digit Event with Inter Digit Timeout 1 Sec
and Max Digit Length 4

Description

Using this built in IVR scenario editor, you can create a new IVR scenario or modify it. The created scenario is generated to voice XML file and loaded to interpreter when you apply this scenario. This IVR scenario can be tested by call to IVR extension where this scenario is applied.

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Built-in IVR Scenario Editor

WSMM is embedded with IVR Scenario Editor. An administrator may create/edit IVR scenario without using special tool

IVR Scenario Sequence

- Start
- Menu / Play / Transfer / Check Extension / Goto / Disconnect

Main

Smart Multimedia Manager
www.addpac.com

Extensons
Trunks
PBX Services
System Admin
Summary

Welcome to AddPac IP-PBX
root
Last Login at June 08 11:29:56AM (172.16.30.41)

Unread Alarm Message
login user authentication failed 2012-06-01 07:51:12

Quick Menu
 > Add an User Extension
 > Add a VoIP Trunk
 > Extensions
 > Add an Analog Extension
 > Add an Outgoing Call Rule
 > Terminals
 > Add a Conference Room
 > Add an Incoming Call Rule

Status

User Extensions
 Registered (2)
 Unregistered (3)
 Unconfigured (0)
 Unused license (95)

System
 Memory Storage: 0%
 Network: 7%
 Call Manager: 0/100
 MCU: 0/2
 Presence: 0/100
 IVR: 0/100
 Media: 0/100
 UMS: 0/100
 RtpProxy: 0/100

Trunks
 Internal Trunk Gateway (0/0)
 SKN_TG (0/0)
 Dacom_Trunk (0/0)

FXS (1) 0 1 2 3
 E1 (0) 0 1
 FXO (1) 4 5 6 7
 GSM (2) 0 1 2 3

Main Menu
Through left "Main Menu", setup IP-PBX policy.

Alarm Message
It displays IP-PBX system errors

Short Cut
A short cut link.

Status
It displays current IP-PBX system major status

Main - Alarm History

The screenshot shows the Smart Multimedia Manager interface. The top section displays a welcome message for 'root' and an 'Unread Alarm Message' for 'login user authentication' on 2012-06-01 07:51:12. A red dashed box highlights this message, with a blue arrow pointing down to the 'Alarm History' page below. The 'Alarm History' page features a table with columns for Level, Messages, and DateTime, listing various system events such as NTP time sync service started, ftp service disabled, and disk upper quota limit exceeded.

Alarm History
Main page displays alarm message. Click Unread Alarm Message to display alarm history page at the bottom. It also displays IP-PBX system errors.

Level	Messages	DateTime
1	Minor NTP time sync service started!	2012-06-01 07:54:35
2	Major ftp service disabled by operator	2012-06-01 07:54:02
3	Minor network interface fastethernet 0/0 now up	2012-06-01 07:53:35
4	Major disk upper quota limit exceeded	2012-06-01 07:53:04
	Threshold exceeded!	2012-06-01 07:51:55
	Authentication failed	2012-06-01 07:51:12

Main – Quick Menu

The screenshot displays the 'Smart Multimedia Manager' web interface. On the left is a navigation sidebar with options like 'Extensions', 'Trunks', 'PBX Services', 'System Admin', and 'Summary'. The main content area shows a 'Welcome to AddPac IP-PBX' message for user 'root' and an 'Unread Alarm Message' regarding a failed login. A 'Quick Menu' is highlighted with a red dashed box, containing links for 'Add an User Extension', 'Add an Analog Extension', 'Add a Conference Room', 'Add a VoIP Trunk', 'Add an Outgoing Call Rule', 'Add an Incoming Call Rule', and 'Terminals'. A blue arrow points from the 'Add an User Extension' link to a detailed form below. The form includes fields for Extension, First Name, Last Name, Voice Mail Password, User Password, Department, Title, Email, and Home Phone. A 'Description' box explains that a user extension is an IP Phone or soft phone. A 'Related Links' section lists 'Routing Access Lists', 'Terminal Profiles', 'Security Profiles', and 'Pickup Group'. A yellow callout box at the bottom left explains the Quick Menu's purpose.

Quick Menu
A short cut link for favorite. It provides Extension / Conference Room / Trunk / Call Rule / Terminals short cut link to improve the convenience of user.

Main – Follow Us

The screenshot displays the 'Smart Multimedia Manager' interface. On the left, a sidebar contains navigation options: Extensions, Trunks, PBX Services, System Admin, Summary, and a 'Getting Started' section with a 'GO' button. Below this is a 'Follow Us' section with icons for LinkedIn, Facebook, and YouTube. The main content area is divided into several sections: a 'Start' section with a 'Message failed' notification, a 'AddPac Technology' section with a 'facebook' logo and a 'AddPac Technology' profile card, and a 'Trunks' section with a 'Registered (2)' status bar. The 'Registered (2)' status bar shows a bar chart with the following data: Registered (2) in blue, Unregistered (3) in red, Unconfigured (0) in green, and Unused license (95) in grey. A yellow box at the bottom left contains the text: 'Follow Us You may check AddPac product information, solution and etc. through Linked, Facebook, YouTube.'

Main – Status Monitoring

Smart Multimedia Manager
www.addpac.com

Start

Welcome to AddPac IP-PBX

root
Last Login at June 08 11:29:56AM (172.16.30.41)

Unread Alarm Message
login user authentication failed 2012-06-01 07:51:12

Quick Menu

- Add a User Extension
- Add a VoIP Trunk
- Extensions
- Add an Analog Extension
- Add an Outgoing Call Rule
- Terminals
- Add a Conference Room
- Add an Incoming Call Rule

Status

User Extensions

System

Memory Storage: 0%
Network: 7%

Call Manager
MCU
Presence
IVR
Media
UMS
RtpProxy

FXS (1) E1 (0)
FXO (1) GSM (2)

Trunks

Voice Lines

Slot / Port	Type	Status	Pattern	Connection PLAR	Input Gain	Output Gain	Caller ID	Modify
1 1/4	FXO	Idle			0	0	Disabled	
2 1/5	FXO	Idle			0	0	Disabled	
3 1/6	FXO	Idle			0	0	Disabled	
4 1/7	FXO	Idle			0	0	Disabled	
5 2/0	GSM	unreg...			0	0	Disabled	
6 2/1	GSM	unreg...			0	0	Disabled	
7 2/2	GSM	unreg...			0	0	Disabled	
8 2/3	GSM	unreg...			0	0	Disabled	

Slot / Port	Type	Status	Pattern	Connection PLAR	Input Gain	Output Gain	Check Source	Protocol Emul	Modify
1 0/0	E1	down			0	0	Master	Network	
2 0/1	E1	down			0	0	Master	Network	

Slot / Port	Type	Status	Number	User ID	Password	Input Gain	Output Gain	Caller ID	Modify
1 1/0	FXS	Idle				0	0	Disabled	
2 1/1	FXS	Idle				0	0	Disabled	
3 1/2	FXS	Idle				0	0	Disabled	
4 1/3	FXS	Idle				0	0	Disabled	

Status
You may check current IP-PBX major information. It supports Terminal, Trunk Register Status, System Status (Memory, Storage, Network, Service), Voice Module Status (FXS, FXO, E1, GSM) Check and main menu short cut function.

Extension - Extensions

Smart Multimedia Manager
www.addpac.com

Start

Welcome to AddPac IP-PBX

Unread Alarm Message
No Unread Alarm Message

root
Last Login at June 11 04:38:52AM (172.16.1.50)

Quick Menu

Status

User Extension

Registered (2)
Unregistered (3)
Unconfigured (0)
Unused license (95)

Smart Multimedia Manager
www.addpac.com

Start Extensions

Extensions

All Extensions Input an Extension Search Add an Extension Refresh

	Modify	Delete	Extension Number	Type	Name	Date Created
1			1007	User Extension	Jinsuk Choi	2012-06-08 17:54:53
2			1009	User Extension	ByoungGoo Choi	2012-06-08 17:58:05
3			3000	User Extension	BongYoung Jeong	2012-06-08 17:59:14
4			1008	User Extension	SeongHyun Lee	2012-06-08 18:59:48
5			1010	Analog Extension	JongHwee Kwon	2012-06-08 18:36:34
6				Conference Room	Ad-Hoc Defaults	1999-11-30 08:00:00
7			0001	Voice Mail	vmal_rec	2012-06-08 17:49:53
8			0002	Voice Mail	vmal	2012-06-08 17:49:54
9			0003	Voice Mail	vmal_noauth	2012-06-08 17:49:54

Add an Extension

Cancel

Analog Extension
An analog extension is a kind of user extension who has FXS (Foreign eXchange Station) analog voice line. Normal analog phone is connected at this extension.

Hunt Group
A hunt group has members of user extensions. Within a hunt group, an available member (user extension) can receive a call to the hunt group extension. A hunt group has one of simultaneous, sequential or random call hunting mode.

Pickup Group
A pickup group has members of user extensions who can pick up a ringing call within the group. The pickup group extension number is used for picking up a call by other group member.

Conference Room
A conference room extension is used for making a conference room. In case of dial-out conference, when a privileged user calls to conference room extension, all conference participants receive call to join. In case of meet-me conference, conference participants call to conference extension to join.

IVR Extension
An IVR (Interactive Voice Response) extension has a role of auto attendant for incoming calls from trunks. If incoming calls from trunk are routed to an IVR extension by incoming call rule, the interactive scenario will be proceed to transfer the call to a proper user extension.

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Extension

Extension setup is possible to operate IP-PBX operation. User Extension / Analog Extension / Hunt Group / Pickup Group / Conference Room / IVR Extension

Extension - Directory

Smart Multimedia Manager

Start | Directory | Extensions

Welcome to AddPac IP-PBX

Unread Alarm Message
No Unread Alarm Message

root
Last Login at June 11 04:38:52AM (172.16.1.50)

Directory

Add Modify Delete Refresh

BongY Jeong	1101	
SeongHyun Lee	1008	
연구소		
Hardware		
DongHee Jang	1020	
Smart work		
Smart Management		
BongYong Jeong	3000	Hello ~ I am Jeong BongYong
Smart Framework		
BY Jeong	1100	
SangGyun Lee	1005	
HyungSuk Oh	1006	Have a nice day ~
ByoungGoo Choi	1009	

Description

In this directory page, you can add / delete / modify departments of your organization. The users can be added at User Extension page. This directory is used for showing user profile and click to call at user portal web page.

User Extensions | **System** | **Trunks**

Registered (2)
Unregistered (3)
Unconfigured (0)
Unused license (95)

Registered (4)
Unregistered (4)
Unconfigured (0)
Unused license (92)

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Directory
It displays user organization department. Each user may setup department in User Extension. Use directory to use click to call function in user portal web page.

Extension - Routing Access List

Smart Multimedia Manager

Start | Directory | Routing Access Lists

Routing Access Lists

Add a Routing Access List Refresh

Modify	Delete	Name	Description	Date Created
1		internal	internal access control	2012-06-08 17:49:54

Status | Routing Access List

Add a Routing Access List

Add Cancel

Routing Access List

Name *

Description

Select Outgoing Call Rules to allow routing. You can adjust routing priority by drag and drop a rule among Allowed Outgoing Call Rules.

Outgoing Call Rules	
Name	

Allowed Outgoing Call Rules	
Name	

Allowed Outgoing Call Rules

Description

You can permit outgoing call routings to specific trunk by adding Outgoing Call Rules.

Related Links

- Outgoing Call Rules

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Routing Access List
Apply call rules regarding outgoing call routing for external bound trunk in IP-PBX.

Extension - Terminal Profile

The screenshot displays the Smart Multimedia Manager interface. On the left, a navigation menu includes 'Extensions', 'Trunks', 'PBX Services', 'System Admin', and 'Summary'. The 'Terminal Profiles' option is highlighted with a yellow starburst. A blue arrow points from this starburst to the 'Terminal Profiles' tab in the main content area. The main content area shows a 'Welcome to AddPac IP-PBX' message, a 'User Extension' status bar, and a 'Global Terminal Settings' configuration page. The 'Global Terminal Settings' page includes sections for 'General Settings', 'Digit Timeout Settings', and 'Distinctive Ring Settings', with various fields for configuration such as 'Calling Party Presentation', 'Language', 'Call Duration Limit', and 'Initial Digit Timeout'.

Terminal Profile
 Setup SIP/SSCP/Timeout/Ring/VoIP setting in IP-PBX. It supports global setting and terminal profile.

Extension - Terminals

Smart Multimedia Manager
www.addpac.com

Welcome to AddPac IP-PBX

Unread Alarm Message
No Unread Alarm Message

root
Last Login at June 11 04:38:52AM (172.16.1.50)

Terminals

	Modify	Delete	Diagnose	Extension	Name	User Agent	IP Address	State	MAC Address	Create Time
1				1007	Jinsuk Choi			Unregistered		2012-06-08 17:54:53
2				1008	SeongHyun Lee			Unregistered		2012-06-08 18:59:49
3				1010	JongHwee Kwon	AddPac SIP ...	172.16.17.30	Unregistered		2012-06-08 18:36:35
4				1009	ByoungGoo Choi	AddPac AP-V...	172.16.18.100	Registered	0002.a403.8...	2012-06-08 17:58:06
5				3000	BongYoung Jeong	AddPac SIP ...	172.16.18.101	Registered		2012-06-08 17:59:15

Modify the User Extension

Apply Cancel Advanced Options

Extension * 3000 3 ~ 8 digits

First Name BongYoung

Last Name * Jeong

Voice Mail Password * **** 4digits and user portal login

User Password * 1111 For SIP registration

Department Search

Title ex) manager

Email ex) admin@addpac.com

Home Phone ex) 123-456-7890

Mobile Phone ex) 123-456-7890

User ID SIP registration ID

Photo (Maximum File Size: 100KB)

Description
A user extension is an IP Phone (SIP / SSCP phone) or a soft phone for end user. It is composed of user profile, phone number and terminal belongs to the user.

Related Links

- WSMM User Portal
- Routing Access Lists
- Terminal Profiles
- Security Profiles
- Pickup Group

Terminals
You may search/setup/change the status of SIP, SSCP, External Terminal status in IP-PBX. Extension, Name, User Agent, IP Address, Register Status, Mac Address, Terminal Create Time

Trunk - Trunks

The screenshot displays the Smart Multimedia Manager web interface. The left sidebar contains navigation menus for Extensions, Trunks, PBX Services, System Admin, and Summary. The main content area shows a 'Welcome to AddPac IP-PBX' message and an 'Unread Alarm Message' notification. Below this, there is a 'Quick Menu' and a 'User Extension' section with a status bar showing 2 Registered, 3 Unregistered, 0 Unconfigured, and 95 Unused licenses. The 'Trunks' section is highlighted with a red dashed border and contains a table of existing trunks:

Modify	Delete	Diagnose	Name	Type	IP Address	State	Description	Date Created
1			Internal Trunk Gateway	VoIP Trunk	127.0.0.1	Registered		2012-06-08 17:...
2			Dacom_Trunk	SIP Proxy Server	172.16.19.201	Unregistered		2012-06-08 18:...
3			SKN_TG	VoIP Trunk	172.16.19.200	Registered		2012-06-08 18:...

Below the table is an 'Add a Trunk' section with a 'Cancel' button and three options: VoIP Trunk, SIP Proxy Server, and H.323 Gatekeeper, each with a detailed description. A yellow box at the bottom left contains the following text:

Trunk
A trunk setup for IP-PBX in order to make a call. You may setup VoIP Trunk, SIP Proxy Server, and H.323 Gatekeeper as well as to check the register status in accordance with Trunk types.

Trunk - Outgoing Call Rules

Outgoing Call Rules
 A call rule for external call routing. You may apply various options such as Outgoing call rule (Number Translation, Routing Mode, Display Name Presentation, P-Asserted Identity Presentation) for outgoing call rule.

Trunk - Incoming Call Rules

Incoming Call Rules
A call rule for incoming call through trunk . You may apply various options such as (Number Translation, DID)

Smart Multimedia Manager
www.addpac.com

Start

Welcome to AddPac IP-PBX

Unread Alarm Message
No Unread Alarm Message

root
Last Login at June 11 04:38:52AM (172.16.1.50)

Quick Menu

Status

User Extension

Getting Started GO

Follow Us

Linked in

facebook f

YouTube

Registered (2)
Unregistered (3)
Unconfigured (0)
Unused license (95)

Smart Multimedia Manager
www.addpac.com

Status Incoming Call Rules

Add an Incoming Call Rule

Add Cancel

Name *

Trunks of Incoming Call *

- Internal Trunk Gateway
- SM_SIP_Provider
- ss
- jschoL_gk

The incoming call can be routed to an IVR extension or a single user extension by pattern matching to called party number and calling party number of the call.

Route to an extension by called number + Add Rule

Transfer Rule Modify Delete

Single Extension Routing

Route to an extension by calling number + Add Rule

Transfer Rule Modify Delete

If the called party number of the incoming call contains user extension number, it can be routed to the destination extension using DID (Direct Inward Dialing) rule.

Route to multiple extension by called number(DID) + Add Rule

Route DID Rule Modify Delete

Multiple Extension Routing(DID)

The incoming call from a trunk can be routed to other trunks by applying Outgoing Call Rules.

Called Pattern to delete digits from the front and adding

Trunk Routing to outgoing call rules external rule

Description

The Incoming Call Rule controls incoming call routing from specific trunks by looking up calling party number and called party number of the call. Applying this rule, the incoming calls are routed to IVR extension, user extensions, or other trunks. Using malicious call filter, call might be dropped.

Related Links

- Trunks
- Outgoing Call Rules

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PBX Service - Speed Button Profiles

Speed Button Profile
 A function for IP/VP-Phone. A newly created speed button list may check in phone. Use idle/Ring/Connect status and touch to call function for each extension.

PBX Service - Announcement and Tones

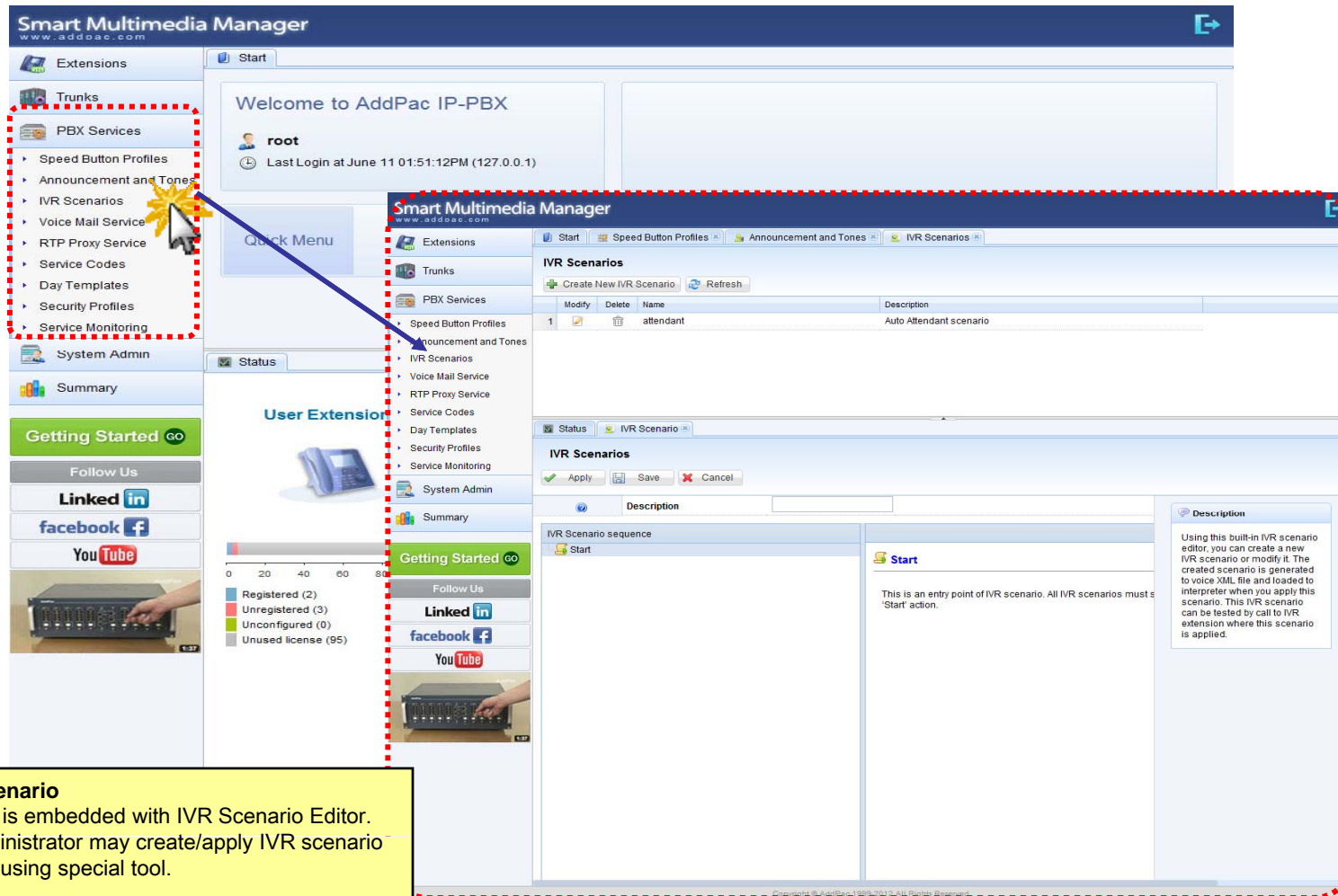
The screenshot shows the 'Smart Multimedia Manager' web interface. The left sidebar menu is highlighted with a red dashed box, and a yellow starburst icon points to the 'Announcement and Tones' option. The main content area displays a table of announcements with columns for ID, Description, and Scheduled status. Below the table, there is a detailed view for a specific announcement (ID: 400110) with fields for Description, Language, and File List.

Modify	ID	Announcement	Description	Custom File	Scheduled
	400110	Connect	연결 중 안내		
	400120	Retry	내선 번호 재 시도 안내		
	400130	No Number	없는 내선 안내		
	400140	Over Count	최수 초과 안내		
	410110	Greeting	인사말		
	410120	Connected to attendant	안내원과 연결		
	410130	Connect 2	연결 중 안내		
	410140	No Number 2	번호 입력 오류		
	410150	Over Time	입력 내용 오류		
	420110	Busy	통화 중 안내		
	420120	No Answer	부재 중 안내		
	420130	System Normal Fail	통화 실패 안내		
	420400	Thank you	미용 감사 안내		
	430110	Press Password	비밀번호 입력 안내		
	430120	Over Count 2	최수 초과 안내		
	430130	Connect 3	연결 중 안내		
	430140	Over Time 2	번호 입력 오류		

No.	Name	Start date	End Date	Start Time	End T
Create New Schedule					

Announcement and Tones
 A setup to manage an announcement (Dial-tone, Consult-tone, Waiting-tone) in IP-PBX service. Announcement may select either Korean/English and administrator may upload Ment File directly.

PBX Service - IVR Scenarios



The screenshot displays the Smart Multimedia Manager (WSMM) interface. The left sidebar contains a navigation menu with 'PBX Services' expanded to show 'IVR Scenarios'. A red dashed box highlights this menu item, with a yellow starburst icon and a blue arrow pointing to the 'IVR Scenarios' section of the main interface. The main interface shows a 'Welcome to AddPac IP-PBX' message for user 'root'. Below this is a 'Quick Menu' and a 'User Extension' status section. The 'IVR Scenarios' section is active, showing a table with one scenario: 'attendant' (Auto Attendant scenario). Below the table are buttons for 'Apply', 'Save', and 'Cancel'. The 'IVR Scenarios' section also includes a 'Description' field and a 'Start' button. A 'Description' tooltip is visible on the right, explaining the 'Start' action.

IVR Scenario
WSMM is embedded with IVR Scenario Editor. An administrator may create/apply IVR scenario without using special tool.

PBX Service - Voice Mail Services

The screenshot displays the Smart Multimedia Manager web interface. The left sidebar contains a navigation menu with 'PBX Services' highlighted. A red dashed box encloses the 'PBX Services' menu and the 'Voice Mail Service' configuration page. A blue arrow points from the 'Voice Mail Service' menu item to the configuration page. The configuration page includes fields for 'Retrieving Extension by Other Phone', 'Retrieving Extension by Owner Phone', and 'Leave Extension'. It also features 'Advanced Options' for 'Audio Message Length', 'Per Extension Hdd Quota', 'Over HDD Quota', 'Use Account Blocking', 'Password Fail Count', 'Enable E-mail Notification', 'Attach File to Email', 'Delete File After Email Notification', 'Enable SMS Notification', and 'SIP Port'. A 'Description' box on the right explains the purpose of the settings.

Voice Mail Service
Voice Mail Service let you setup Voice Mail Extension, Message Box, Notification, and SMS related setup. Each user may check the received voice-mail, SMS through user portal web page.

PBX Service - RTP Proxy Service

Smart Multimedia Manager
www.addpac.com

Extensions
Trunks
PBX Services
Speed Button Profiles
Announcement and Tones
IVR Scenarios
Voice Mail Service
RTP Proxy Service
Service Codes
Day Templates
Security Profiles
Service Monitoring
System Admin
Summary
Getting Started GO
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Welcome to AddPac IP-PBX
root
Last Login at June 11 01:51:12PM (127.0.0.1)

Quick Menu

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Status RTP Proxy Service
Apply Cancel

RTP Proxy Settings
Idle Timeout 600 (0-7200, default: 600sec)
Packet Loss Event Count 0 (0-65535, default: 0)

*IPv4
Add Network Domain

Network Domain	Minimum	Maximum	DSCP	Modify	Delete
----------------	---------	---------	------	--------	--------

*IPv6
Add Network Domain

Network Domain	Minimum	Maximum	DSCP	Modify	Delete
----------------	---------	---------	------	--------	--------

Network Domain

Description
Manage RTP Proxy Service for NAT traversal. Normally, RTP proxying between private network and public network will be automatically handled by PBX. If you got problem to hear voice from remote side, enable option of RTP proxying in trunk setting or user extension setting.

Registered (2)
Unregistered (3)
Unconfigured (0)
Unused license (95)

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RTP Proxy Service

RTP Proxy supports smooth call conversation by acting as rtp packet relay for each different network (private/ public) Call. RTP Proxy Service provides various options such as (Port range / DSCP)

PBX Service - Service Codes

Service Codes
 A function to setup additional service phone number in IP-PBX. It is a service code to use additional service in SIP terminal and start with # or * and may assign maximum of two phone numbers.

The screenshot shows the 'Smart Multimedia Manager' interface. On the left, the 'PBX Services' menu is expanded, with 'Service Codes' highlighted. A blue arrow points from this menu item to the 'Service Codes' configuration page. The configuration page includes a 'General Code' section with fields for 'Call Park', 'Call Pickup', 'Call Forwarding All Register', 'Call Forwarding All Activation', and 'Call Forwarding All Deactivation'. Below this is an 'Advanced Options' section with numerous settings for call rejection, waiting, and forwarding. A 'Description' box on the right explains that a service code is a special digit starting with # or *.

PBX Service - Day Templates

The screenshot displays the Smart Multimedia Manager web interface. The left sidebar contains a navigation menu with categories: Extensions, Trunks, PBX Services, System Admin, and Summary. The 'PBX Services' category is expanded, showing sub-items: Speed Button Profiles, Announcement and Tones, IVR Scenarios, Voice Mail Service, RTP Proxy Service, Service Codes, Day Templates, Security Profiles, and Service Monitoring. A red dashed box highlights the 'Day Templates' link, with a blue arrow pointing to the main content area. The main content area shows the 'Day Templates' configuration page. At the top, there is a 'Welcome to AddPac IP-PBX' message for user 'root'. Below this is a 'Quick Menu' and a 'User Extension' status section. The 'Day Templates' section includes a table with columns: Modify, Delete, Template Name, Description, and Date Created. A table entry shows a template named 'holiday' with a date of '2012-03-30 11:24:41'. Below the table is a 'Day Templates' form with fields for 'Name' and 'Description', and buttons for 'Add' and 'Cancel'. A description box on the right explains: 'Specify period or a special day(s) to apply in schedule policy.'

Day Templates
Day Template function provides a service in accordance with registered date after registering special date/day as template (date / Day of Week / Weekly)

PBX Service - Security Profiles

The screenshot displays the Smart Multimedia Manager web interface. The left sidebar contains a navigation menu with categories like Extensions, Trunks, PBX Services, and System Admin. The 'PBX Services' menu is expanded, showing options such as Speed Button Profiles, Announcement and Tones, IVR Scenarios, Voice Mail Service, RTP Proxy Service, Service Codes, Day Templates, Security Profiles, and Service Monitoring. A mouse cursor is pointing at the 'Security Profiles' option. The main content area shows the 'Security Profiles' configuration page, which includes a table with one entry: 'default' (default security profile) created on 2012-06-08 19:49:52. Below the table is the 'Global Security Setting' section, which includes a dropdown menu for 'TLS Cipher Suites' with options: N/A, RC4_40, RC4_128, DES_CBC, 3DES_CBC, AES_128_CBC, AES_256_CBC, SEED_CBC, and ARIA_CBC. A description box explains that these cipher suites are used for secure TLS negotiation in SIP.

Security Profiles
IP-PBX supports TLS Cipher Suites.
User may select priority with 3 TLS Suites and may select RC4_40, RC4_128, DES_CBC, 3DES_CBC, AES_128_CBC, AES_256_CBC, SEED_CBC, ARIA_CBC in each suites.

PBX Service - Service Monitoring

Service Monitoring
It displays Active Call & Conference information in IP-PBX. User may setup monitoring screen renew, interval time setup, and provides active call & conference information.

The screenshot shows the 'Smart Multimedia Manager' interface. The left sidebar contains a navigation menu with 'Service Monitoring' highlighted by a yellow starburst. The main content area displays the 'Service Monitoring' page, which includes a 'Service Monitoring' tab, an 'Interval' dropdown set to '10 sec.', and a table for 'Active Calls' and 'Conference'. The table has columns for ID, Established Time, Duration, Calling Number, Called Number, Audio Codec, Video Codec, Recording, and Drop Call. Below the table is a system status dashboard with sections for 'User Extensions', 'System', and 'Trunks'. The 'System' section shows various resource usage metrics like Memory Storage (0%), Network (8%), and Call Manager (0/100). The 'Trunks' section shows the status of various trunks, including 'Internal Trunk Gateway' (0/0), 'ss' (0/0), 'SM_SIP_Provider' (0/0), and 'JschoL_gk' (0/0).

System Admin - Network Interface

Smart Multimedia Manager
www.addpac.com

Start

Welcome to AddPac IP-PBX

root
Last Login at June 11 01:51:12PM (127.0.0.1)

Quick Menu

System Admin

- Network Interface
- Network Services
- Administrators
- Licenses
- Voice Lines
- Alarm History
- Call History
- Show Command

Summary

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User Extension

Registered (2)
Unregistered (3)
Unconfigured (0)
Unused license (95)

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Network Interfaces

Apply Cancel

Interface Mode: DHCP Static IP

WAN Interface

IP Address * A.B.C.D

Subnet Mask * A.B.C.D

Default Gateway A.B.C.D

Primary DNS Server

Secondary DNS Server

IPv6 Address XX:XXM

IPv6 Default Gateway XX:XX

LAN Interface

Interface Mode: None Bridge IP Shared NAT Static IP

IP Address A.B.C.D

Subnet Mask A.B.C.D

DHCP Server On Off

DHCP Range ~ A.B.C.D

IPv6 Address XX:XXM

Description

This PBX system can have one or two network interfaces. The WAN interface is a main network interface of this system normally has public IP address for communicating with VoIP providers and Trunk gateways in public domain. The LAN interface normally has private IP address for communicating with IP phones or user terminals in private domain.

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Network Interface
IP-PBX Network interface setup.
WAN Interface
- IPv4 / IPv6 Address, DNS, DHCP Client
LAN Interface
- IPv4 / IPv6 Address, DHCP Server

System Admin - Network Services

Smart Multimedia Manager
www.addpac.com

System Admin

- Network Interfaces
- Network Services
- Administrators
- Licenses
- Voice Lines
- Alarm History
- Call History
- Show Command

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User Extension

Registered (2)
Unregistered (3)
Unconfigured (0)
Unused license (95)

Network Services

Time zone: % Unknown command (show clock-http)

server enable: On Off

System Datetime: []-[]-[]-[]-[]-[]-[] [Apply]

Primary NTP Server: []

Secondary NTP Server: []

Interval: [] NTP time resynchronize, in hour (default: 27)

TELNET

Service Enable: On Off

Service Port: 23 (default:23)

SNMP

Service Enable: On Off

Service Port: [] (default:161)

Community: []

Trap Service IP Address: []

Trap Community: []

HTTP

Service Enable: On Off

Service Port: 80 (default:80)

Authentication: NONE Basic Digest

FTP

Service Enable: On Off

Control Port: 21 (default:21)

Data Port: 20 (default:20)

LDAP

Server Port: 389 (default:389)

SYSLOG

Service Enable: On Off

Service Port: [] (default:514)

Log Life Time: [] (1 ~ 300 Day)

Description: You can change properties of system network services such as TELNET, SNMP, HTTP, FTP, LDAP, SYSLOG, and so on.

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Network Service
IP-PBX network service setup.
User may setup NTP, TELNET, SNMP, HTTP, FTP, LDAP, SYSLOG, Dynamic DNS, CDR, SMTP, DDoS function detail setup.

System Admin - Administrators

The screenshot displays the Smart Multimedia Manager web interface. The left sidebar contains a navigation menu with the following items: Extensions, Trunks, PBX Services, System Admin, Network Interfaces, Network Services, Administrators, Licenses, Voice Lines, Alarm History, Call History, Show Command, and Summary. The System Admin menu item is highlighted with a red dashed box, and a blue arrow points from it to the Administrators table in the main content area.

The main content area shows the Administrators management page. It includes a table with the following data:

Modify	Delete	Name	ID	Level	Description
		root	root	Administrator	System Administrator
		administrator	administrator	Administrator	Addpac Administrator

Below the table is a form for creating or editing an administrator. The form includes the following fields:

- User name*
- Description
- ID*
- Password*
- Level (Administrator)
- Application Permission (Door Access Control Manager, Time and Attendance Manager)

A yellow box in the bottom left corner contains the following text:

Administrator
An administrator creation/change is possible to operate IP-PBX. Level (Administrator / Operator / Monitor) application is possible and may assign additional Application Permission (Door Access Control Manager / Time and Attendance Manager)

System Admin - Licenses

The screenshot shows the 'Smart Multimedia Manager' interface. The left sidebar contains a 'System Admin' menu with a red dashed box around it. A blue arrow points from the 'Licenses' option in the menu to the 'Licenses' page. The 'Licenses' page features a table with the following data:

Service	License	Value	
1	Call Manager	Max Calls	100
2	Call Manager	Max Devices	100
3	Call Manager	Max Subscribers	100
4	MCU	Max Sessions	2
5	MCU	Max Party per Sessions	4
6	Presence	Max Sessions	100
7	IVR	Max Sessions	100
8	IVR	Max Scenarios	100
9	Media	Max Sessions	100
10	UMS	Max Sessions	100
11	UMS	Max Mail-Boxes	100
12	RtpProxy	Max Sessions	100

A yellow callout box contains the following text:

License
To use various service of IP-PBX, License must be created. In accordance with License policy, Max Service is restricted and license upload/download is possible in accordance with policy.

System Admin - Voice Lines

Smart Multimedia Manager
www.addpac.com

Start

Welcome to AddPac IP-PBX

root
Last Login at June 11 01:51:12PM (127.0.0.1)

Click Menu

System Admin

- Network Interfaces
- Network Services
- Administrators
- Licenses
- Voice Lines
- Alarm History
- Call History
- Show Command

Summary

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User Extension

Registered (2)

Unregistered (3)

Unconfigured (0)

Unused license (95)

Smart Multimedia Manager

Extensions Trunks PBX Services System Admin

Network Interfaces Network Services Administrators Licenses Voice Lines Alarm History Call History Show Command Summary

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Voice Lines

Apply Cancel

Slot / Port	Type	Status	Pattern	Connection PLAR	Input Gain	Output Gain	Caller ID	Modify
1 1/4	FXO	idle			0	0	Disabled	✓
2 1/5	FXO	idle			0	0	Disabled	✓
3 1/6	FXO	idle			0	0	Disabled	✓
4 1/7	FXO	idle			0	0	Disabled	✓
5 2/0	GSM	unreg...			0	0	Disabled	✓
6 2/1	GSM	unreg...			0	0	Disabled	✓
7 2/2	GSM	unreg...			0	0	Disabled	✓
8 2/3	GSM	unreg...			0	0	Disabled	✓

Trunk

Analog & Mobile

Slot / Port	Type	Status	Pattern	Connection PLAR	Input Gain	Output Gain	Clock Source	Protocol Emulat	Modify
1 0/0/0	E1	down			0	0	Master	Network	✓
2 0/1/0	E1	down			0	0	Master	Network	✓

Digital

Extension

Slot / Port	Type	Status	Number	User ID	Password	Input Gain	Output Gain	Caller ID	Modify
1 1/0	FXS	idle	1100	1100	1111	0	0	Disabled	✓
2 1/1	FXS	idle	1101	1101	1111	0	0	Disabled	✓
3 1/2	FXS	idle				0	0	Disabled	✓
4 1/3	FXS	idle				0	0	Disabled	✓

Description

This is a built-in voice lines such as FXS lines for analog extensions and FXO, E&M, E1, T1, GSM lines for internal trunk gateway. You can add analog extension at extension menu and set internal trunk gateway property at trunk menu. You can set some physical settings at here and detail settings by Smart Web Manager(Internal Voice Line).

Related Links

- Smart Web Manager (Internal Voice Line)
- Analog Extension
- Internal Trunk Gateway

Voice Line
It displays Voice Module information in IP-PBX. Voice modules are including FXS, FXO, E&M, E1, T1, GSM, and 3G. Each module may setup Gain, Caller ID, and Pattern.

System Admin - Alarm History

Smart Multimedia Manager
www.addpac.com

Welcome to AddPac IP-PBX
root
Last Login at June 11 01:51:12PM (127.0.0.1)

System Admin

- Network Interfaces
- Network Services
- Administrators
- Licenses
- Voice Lines
- Alarm History
- Call History
- Show Command

Alarm History

Level: All | Ack: All | Period: 2012-06-05 ~ 2012-06-12 | Search | Refresh

Level	Messages	DateTime
1 Critical	The Call Manager SERVER on node Router , MX250(172.16.17.30) Server is REGISTERED	2012-06-12 19:48:39
2 Major	The Call Manager TERMINAL on node Router , BongY&Jeong(172.16.17.30) Terminal is REGISTERED	2012-06-12 19:27:39
3 Major	The Call Manager TERMINAL on node Router , BY&Jeong(172.16.17.30) Terminal is UNREGISTERED	2012-06-12 19:27:19
4 Major	The Call Manager TERMINAL on node Router , BY&Jeong(172.16.17.30) Terminal is REGISTERED	2012-06-12 19:27:19
5 Major	The Call Manager TERMINAL on node Router , BY&Jeong(172.16.17.30) Terminal is REGISTERED	2012-06-12 19:26:54
6 Major	The Call Manager TERMINAL on node Router , BongYong&Jeong(172.16.18.101) Terminal is REGISTERED	2012-06-12 19:25:16
7 Minor	An Authentication/Connection Success has been identified on network device 172.16.1.50. This message is usually gen...	2012-06-12 19:22:58
8 Major	The Call Manager TERMINAL on node Router , ByoungGoo&Choi(172.16.18.100) Terminal is REGISTERED	2012-06-12 19:21:55
9 Critical	The Call Manager SERVER on node Router , MX250(172.16.17.30) Server is REGISTERED	2012-06-12 19:21:43
10 Critical	The Call Manager SERVER on node Router , MX250(172.16.17.30) Server is REGISTERED	2012-06-12 19:21:43
11 Critical	The Call Manager Service on node Router which was previously OutOfService is now In Service	2012-06-12 19:21:37
12 Critical	The Call Manager SERVER on node Router , MX250(172.16.17.30) Server is REGISTERED	2012-06-12 19:21:37
13 Critical	The Call Manager TRUNK on node Router , Internal Trunk Gateway(127.0.0.1) Trunk is REGISTERED	2012-06-12 19:21:37
14 Critical	The Call Manager SERVER on node Router , MX250(172.16.17.30) Server is REGISTERED	2012-06-12 19:21:37

Status

User Extensions: Registered (2), Unregistered (3), Unconfigured (0), Unused license (95)

System

Memory Storage: 1%
Network: 7%

Call Manager: 0/100
MCU: 0/2
Presence: 0/100
IVR: 0/100
Media: 0/100
UMS: 0/100
RtpProxy: 0/100

Trunks: Internal Trunk Gateway (0/0), SKN_TG (0/0), Dacom_Trunk (0/0)

Alarm History

It displays trouble in IP-PBX system. Level (All / Critical / Major / Minor), ACK (All / Acknowledge / Not Acknowledge). User may check various information through period filter.

System Admin - Call History

Call History
It displays device error which was occurred in IP-PBX System. User may check various information through Call Type (Unspecified / Inter-Site Call / PSTN Backup / Service Provider), Period, Number

System Admin - Show Command

The screenshot displays the Smart Multimedia Manager System Admin interface. The left sidebar contains a navigation menu with 'System Admin' expanded to show 'Show Command'. A red dashed box highlights the 'Show Command' option, and a blue arrow points to the 'Show Command' tab in the main content area. The 'Show Command' page shows a 'Request Command' field with the command 'show call-manager sscp' entered. Below this, the system output is displayed in a code block format. A 'Description' box on the right explains that users can check system status by selecting a category or entering a CLI command.

Show Command
User may check the status of IP-PBX System through category and CLI (Command Line Interface)

```
System
VoIP
Call Manager
Command Line Interface

* Categories
CPU Memory Storage Network Config
SP User Agent Gateway Voice Port Dial-Peer
SSCP SP Domain Cluster Terminal Summary Presence

* Request Command : show call-manager sscp
SSCP Timer Information.
  retry-counter = 1
  retry-timeout = 5000 (msec)
  keepalive-timeout = 30 (sec)
CM <-> CM_Servers SSCP Information.
  retry-counter = 3
  retry-timeout = 5000 (msec)
  keepalive-timeout = 3 (sec)
  keepalive-retry-timeout = 1000 (msec)
  keepalive-retry-timeout(other server) = 3000 (msec)
  binding accept status = TRUE
SSCP Policy Information.
  cm service status = on
  signaling-port = 8855
  packet-size = 1472
  client-session logging count = 0
  client-session registering count = 0
  event store time = 3(sec)
  event store count = 10
  event total store count = 0
Client Auth Session Information.
  id ip timerCount
  -----
Client Sesion Information.
  session-id user-id ip address port status
  -----
  2001 1009 172.16.18.100 5060 in-service
  2002 3000 172.16.18.101 5060 in-service
Servers Information.
  server-id binding-id ip address port state
  -----
  10200000 1 172.16.17.30 5101 BIND ums
  10100000 1 172.16.17.30 5041 BIND rdt
  10600000 1 172.16.17.30 5021 BIND tivr
SessionClientGroup
Group(0) sessionsize(0) :
Group(2) sessionsize(0) :
```



Thank you!

AddPac Technology Co., Ltd.
Sales and Marketing

Phone +82.2.568.3848 (KOREA)

FAX +82.2.568.3847 (KOREA)

E-mail : sales@addpac.com