

SCM Express V5 Configuration Guide





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- | Others

V5 Upgrade Cautions

< Upgrade Cautions! >

- Removed "None" option for SIP Registration Authentication

"None" option of Authentication Method was removed in User Group Information.

If it was 'None' in old version, after upgrading it will be changed to 'Internal'.

- Gateway(OfficeServ) : User should change settings of FXS and keep alive trunk in gateway.

- Gateway(iBG) : User should change setting of keep alive trunk in gateway.

- 3rd party phone : If the phone have no authentication password, user should input in phone.

The screenshot displays the SCMExpress configuration interface. The main window shows the 'Single Phone User' tab with a table of user groups. Below this, a 'Change User Group' dialog box is open, showing the configuration for the 'Infra' user group. The 'Authentication Method' dropdown menu is highlighted with a red box, showing 'Internal' as the selected option.

User Group	Host	CDR Storage ...	Authentication...	MOH ID	MOH Enable	Transfer Ring...	User
Infra	itdong.com	Local	None	1100	Enable	1115	

[DIALOG]Information - Change

User Group: Infra
 Host: itdong.com
 MOH ID: 1100
 Transfer Ringback Tone: 1115
 CLI Number:
 Realm:
 LDAP Root Directory:
 Default Access Code: ##
 Service Call Access Code: ##
 SRTP Mline offer Option:
 Restriction User Group:
 CDR Storage Options: Local
Authentication Method: Internal
 MOH Enable: Enable
 User Group Code:
 GOP(Quality of Protection): Auth
 Algorithm: MD5
 Restriction Policy:
 Min Digit (Default Access Code):
 Media Option:
 External Cooperation ID:

❖ Setting Auth ID & Password in iBG

● Should connect to CLI of iBG

2006.60# **show running-config**

...

voip-gateway

host domain-name ug1.scm.com

bind control interface ethernet 0/3

bind media interface ethernet 0/3

rtp payload-type nte 101

call-server

ip-address ipv4:10.251.191.232

gw-uri gw2006 expires 60

exit call-server

sip-ua

authentication username gw2006 password *****

offer call-hold dir-inactive

disable-star-contact

reason-header override

present-indicator

no shutdown

exit sip-ua

no shutdown

exit voip-gateway

※ If there is no username and password, should input as follows:

2006.60# **configure terminal**

2006.60/configure# *May 07,2014,10:31:01 #PARSER-warning: samsung entered configuration mode FROM SERIAL

2006.60/configure# **voip-gateway**

2006.60/configure/voip-gateway# **shutdown** <= should shutdown before setting

2006.60/configure/voip-gateway# *May 07,2014,10:31:32 #EVENT-critical: Connection fails between system and SIP entity RAISE

*May 07,2014,10:31:32 #SIP-notification: VoIP Gateway Stopped

2006.60/configure/voip-gateway# **sip-ua authentication username {gwname} password {1234}**

2006.60/configure/voip-gateway# **no shutdown** <= should no shutdown after setting

2006.60/configure/voip-gateway# *May 07,2014,10:32:08 #SIP-notification: VoIP Gateway Started

Chapter 1.

Directory Service



❖ Directory Service Activation for FMC

1. configure the Directory Service Server
 2. configure the Photo File Upload Server
 3. configure the Mobile Phone Profile
- Used Port : 389(for LDAP), 18202(TLS)

The screenshot shows the SCM Administrator web interface. On the left, the 'CONFIGURATION' tree has three items highlighted with red boxes and numbered circles: '3 Mobile Phone Profile', '2 Photo File Upload Server', and '1 Directory Service Server'. The main panel shows the 'Directory Service Server' configuration for 'User Group UG1'. It includes a table with columns: User Group, Name, Service Type, IP Address, Port, Protocol, and Public IP Address. The table contains one entry: UG1, DIRECTORY_UG1, Internal Directory S..., , , TLS, . Below the table are buttons: Detail, Create, Change, Delete, Excel, Detach, Help, Close. At the bottom, there is an 'Event Viewer' table with columns: Level, Type, Date/Time, Node Name, System Name, and Description. It shows three status events from 2014-04-11. The bottom status bar shows '2014-04-11 16:51:37'.

SCM Administrator

File Tool Tab Dialog Help

Server: 10.251.192.27 User: admin Level: 1, Engineer

CONFIGURATION

- User Group
- User
- Trunk Routing
- Time Schedule
- Service
- Wireless Enterprise
 - 3 Mobile Phone Profile**
 - Mobile Service Options
 - Mobile Service Server
 - Log File Upload Server
 - Log File Upload Server
 - 2 Photo File Upload Server**
 - 1 Directory Service Server**
 - Presence Service Server
 - Location Service Server
 - Mobile Configuration
 - FMS Zone
 - WLL Agent Configuration

System Viewer

System: scme-vmc-08

Status: Active Alone

Alarm: CRI (0) MAJ (0) MIN (0)

CPU Memory File

Message

Directory Service Server

User Group

Search Clear Reset

User Group	Name	Service Type	IP Address	Port	Protocol	Public IP Address
UG1	DIRECTORY_UG1	Internal Directory S...			TLS	

1 / 1 (1)

Detail Create Change Delete Excel Detach Help Close

Event Viewer

Level	Type	Date/Time	Node Name	System Name	Description
	STATUS	2014-04-11 16:10:23	NODE 0	scme-vmc-08	SUBSCRIBER REG TIMEOUT : UG(UG1) NA...
	STATUS	2014-04-11 14:18:41	NODE 0	scme-vmc-08	[PROFILE] Profile Creation END : Available ...
	STATUS	2014-04-11 14:18:40	NODE 0	scme-vmc-08	[PROFILE] Profile Creation START

Clear Detach Help Close

2014-04-11 16:51:37

❖ Directory Service Activation

1. configure the Directory Service Server

Configure this server for Directory Service

[CONFIGURATION > Wireless Enterprise> Mobile Service Server > Directory Service Server]

Field	Value
User Group	UG1
Service Type	Internal Directory Server
Port	
Public IP Address	
Public Protocol	TLS
Name	DIRECTORY_UG1
IP Address	
Protocol	TLS
Public Port	389

Item	Description
User Group	User group to which the Server belongs
Name	Directory Server name
Service Type	Internal : SCME is operated as the directory server. IP Addr and Port are inputted automatically External : External directory server
IP Address	IP Address of the External directory Server
Port	Port of the External directory Server
Protocol	Protocol of the External directory Server
Public IP Address	Public IP Address of the External directory Server
Public Port	Public Port of the External directory Server
Public Protocol	Public Protocol of the External directory Server

❖ Directory Service Activation

2. configure the Photo File Upload Server

Configure this server for Uploading personal photo file by FMC terminal (Smart phone)
 [CONFIGURATION > Wireless Enterprise> Mobile Service Server > Photo File Upload Server]

User Group	UG1	Name	PHOTO_UG1
Service Type	Internal Photo Server	IP Address	
Port		Protocol	HTTPS
Public IP Address		Public Port	443
Public Protocol	HTTPS		

Change Apply Close

Item	Description
User Group	User group to which the Server belongs
Name	Server name
Service Type	Internal : SCME is operated as the photo server. IP Address and Port are inputted automatically. External : External photo server.
IP Address	IP Address of the External directory Server
Port	Port of the External directory Server
Protocol	Protocol of the External directory Server
Public IP Address	Public IP Address of the External directory Server
Public Port	Public Port of the External directory Server
Public Protocol	Public Protocol of the External directory Server

Directory Service Activation

3. configure the Mobile Phone Profile

[CONFIGURATION > Wireless Enterprise> Mobile Phone Profile]

- Directory Service Option set to the "Enable" for service activation.

[DIALOG]Mobile Phone Profile - Change

User Group	UG1	Extension Number	2001
Mobile Phone Number		User Agent Info	
Roaming Trigger	-70	Roaming Delta	10
Roaming Scan Period	3	Noise Supression RX	Disable
Noise Supression TX	Disable	AECM	Speaker Phone
Echo Suppression	Enable	Enable Swing Free RX	Enable
Enable Swing Free TX	Enable	Enable CNG	Enable
Media Start Port	10000	Media End Port	30000
Multiframe Enable	Disable	Multicast Enable	Disable
TOS Media Value(DSCP)	192	TOS Control Value(DSCP)	192
JBC Threshold	4	SIP Rx Port	5080
SIP Rx Public Port	5080	Node1 SIP Rx Port	5090
Node1 SIP Rx Public Port	5090	Protocol - public network	TLS
TLS Connection - public network	Reuse	Expire Time(sec) - private network	3600
Expire Time(sec) - public network	3600	SIP Registration - WiFi Hotspot	Enable
SIP Registration - mVoIP	Enable	Directory Service - Private(Office)	Enable
Directory Service - WiFi Hotspot	Enable	Directory Service - mVoIP	Enable
Presence Service - Private(Office)	Enable	Presence Service - WiFi Hotspot	Enable
Presence Service - mVoIP	Enable	Location Service - Private(Office)	Enable
Location Service - WiFi Hotspot	Enable	Location Service - mVoIP	Enable
Update Location - Min Distance(m)	500	Update Location - Min Period(min)	10
Update Location - Forced Period(hour)	3	Update Location - Start Time	08:00:00
Update Location - End Time	17:00:00		

Change Apply Close

Directory Service License

● CONFIGURATION > Miscellaneous > Activation Key

The screenshot displays the SCM Administrator web interface. On the left, the 'CONFIGURATION' menu is expanded, and 'Activation Key' is selected. The main area shows a table of activation keys. A dialog box titled '[DIALOG]Activation Key - Detail' is open, showing the details for 'Package01'.

Activation Key Table:

Package Name	Activation Key	MAC Address	Status
Sample			Deactivated
Package01	QTNnbeGhw6SEeFvS7j1+xFb6leHF_	000C29663751	OK
Package01	QTNnbeGhw6SEeFvS7j1+xFb6leHF_	000C29D234F8	License MAC is for remote system

[DIALOG]Activation Key - Detail:

Package Name	MAC Address	Activation Key	Status
Package01	000C29663751	If3VDgA9shly5oQI9XjvE4oCJ8qo6LXBtU78OtNk=	OK
Active-Active(Master/Slave)	Yes (charged, 20130701 ~ 20161231)	High Availability(Active/Standby)	Yes (charged, 20130701 ~ 20161231)
Samsung SIP Phone	10 (charged, 20130701 ~ 20161231)	Samsung Soft Phone for Windows	10 (charged, 20130701 ~ 20161231)
Samsung FMC for Android	10 (charged, 20130701 ~ 20161231)	Samsung FMC for iPhone	-
Samsung PC Attendant	-	3rd-Party SIP Phone	10 (charged, 20130701 ~ 20161231)
Analog Phone(Gateway)	-	Meet-Me Conference Channel	10 (charged, 20130701 ~ 20161231)
VM Channel	10 (charged, 20130701 ~ 20161231)	SIP Application Channel	10 (charged, 20130701 ~ 20161231)
3rd-Party SIP Trunk Channel	10 (charged, 20130701 ~ 20161231)	Embedded ACD Agent	10 (charged, 20130701 ~ 20161231)
Communicator Console	-	Communicator with 3rd-Party Phone	-
CSTA Link	10 (charged, 20130701 ~ 20161231)	Embedded Wall Board	10 (charged, 20130701 ~ 20161231)
Directory Service	10 (charged, 20130701 ~ 20161231)	WiFi Agent	10 (charged, 20130701 ~ 20161231)

Directory Service Usage Configuration

- CONFIGURATION > User > Single Phone User/Multi-Phone User
- If the number of Directory Service - ENABLE exceeds in the license, Directory Service does not work at all.

The screenshot shows the SCM Administrator interface with the 'Single Phone User - Change' dialog box open. The 'CONFIGURATION' tab is selected, and the 'Single Phone User' section is highlighted in the left sidebar. The 'Main Monitor' tab is active in the dialog box, showing a table of user groups and their associated service groups and locations. The 'Directory Service' option is highlighted with a red box, and a callout indicates it specifies whether the Premium CID is used or not.

User Group	Service Group	Location
UG2	UG2-SG1	UG2-LOC
UG2	UG2-SG1	UG2-LOC
UG1	UG1-SG1	UG1-LOC
UG1	UG1-SG1	UG1-LOC
UG1	UG1-SG1	UG1-LOC
UG1	UG1-SG1	UG1-LOC
UG1	UG1-SG1	UG1-LOC
UG1	UG1-SG1	UG1-LOC
UG1	UG1-SG1	UG1-LOC
UG1	UG1-SG1	UG1-LOC
UG1	UG1-SG1	UG1-LOC
UG1	UG1-SG1	UG1-LOC

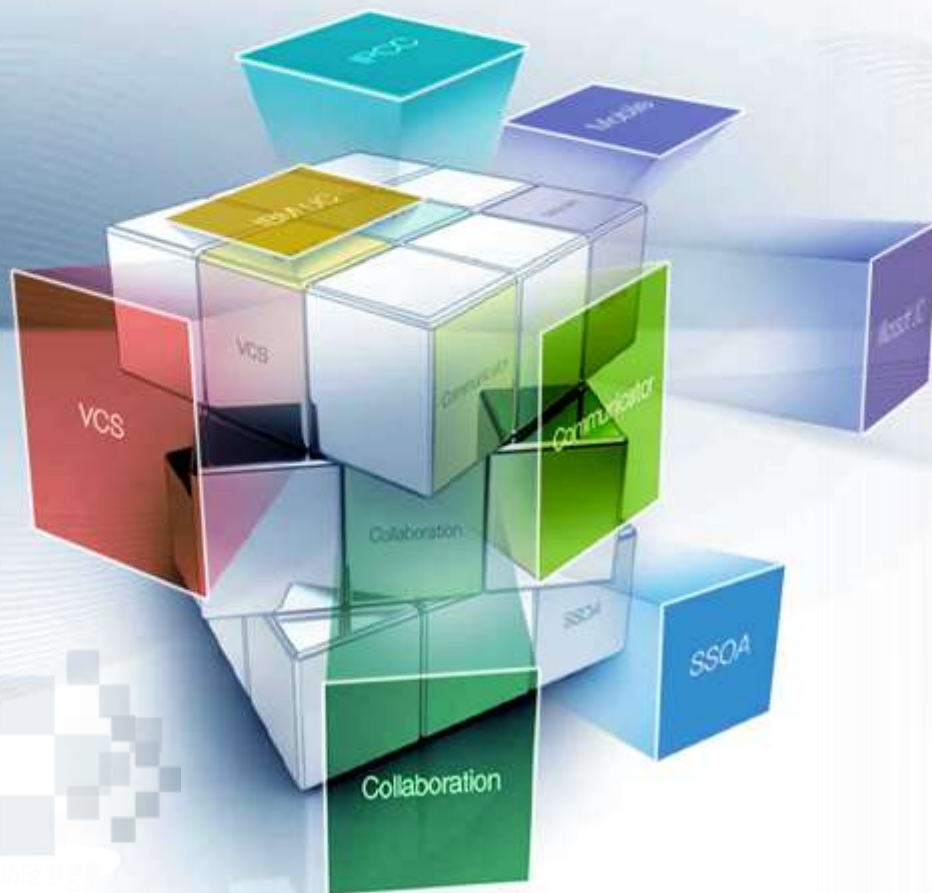
The 'Single Phone User - Change' dialog box contains the following settings:

- Call Monitoring: Disable
- Use Virtual Ringback: Disable
- Off Hook Alarm: Send Only
- MCU SIP Media Mode: Send Only
- CMS Monitoring: Disable
- User Account Number: [Empty]
- Phone Tx Gain: [Empty]
- TLS Key Decryption Direct Password: [Empty]
- TLS Key Decryption Salt: [Empty]
- TLS Key Decryption OK: 20
- Phone Call History: On
- Allow Selective Call: [Empty]
- Use InterPlay: [Empty]
- Input Number Display: [Empty]
- Call Appearance: [Empty]
- Error Announcement: [Empty]
- CU for Forwarded Call: [Empty]
- Resume after Transfer-Cancel: No
- Use Wi-Fi: Enable
- Comfort Noise: No
- Send RTP on Hold: No
- MySingle Click To Dial CU: Office Number
- Service Schedule: [Empty]
- Display Premium CID on Caller Screen: Disable
- Use Bluetooth: Yes
- Use NFC: Yes
- Send Extension Number: [Empty]
- Caller Ring Type: None
- Check Registration Protocol: Disable
- Application Server Service Group: [Empty]
- FMS Zone Name: [Empty]
- Call Recording Method: [Empty]
- TLS Key Decryption Password Type: Direct
- TLS Key Decryption Device ID: 002
- NFC Mobile Phone Name: [Empty]
- NFC Auto Login: Disable
- Phone Display Name: Extension Number
- PROCYB Index: 1
- Change to Multi Type: [Empty]
- User Type: [Empty]
- Desk Phone Simultaneous Ring Delay: Disable
- Use mVOP: No
- Tether Access: Disable
- SIP-PRACK option: Disable
- Mobile Number Auto Update: Yes
- Web Access Protocol: http/https
- EMS Header: Disable
- Directory Service: **Disable** (highlighted with a red box)
- Push Notification: Disable
- Use USB: All
- Use Wi-Fi Agent: No

Specifies whether the Premium CID is used or not

Chapter 2.

Premium CID Service



Premium CID Usage Configuration

● CONFIGURATION > User > Single Phone User/Multi-Phone User

The screenshot shows the SCM Administrator interface with the 'Single Phone User - Change' dialog box open. The dialog box contains various configuration options for a single phone user. A red box highlights the 'Display Premium CID on Caller Screen' option, which is currently set to 'Disable'. A blue box with text explains that this option specifies how to display the Premium CID.

Single Phone User - Change

Option	Value
Call Monitoring	Disable
Use Virtual Ringback	Disable
Off Hook Alarm	Disable
MOH SIP Media Mode	Send Only
CMS Monitoring	Disable
User Account Number	
Phone TX Gain	
TLS Key Decryption Direct Password	
TLS Key Decryption Salt	
TLS Key Decryption CK	20
Phone Call History	On
Allow Selective Call	Disable
Use InterPlay	Disable
Input Number Display	
Call Appearance	
Error Announcement	
CU for Forwarded Call	
Resume after Transfer-Cancel	No
Use Wi-Fi	Disable
Comfort Noise	No
Send RTP on Hold	No
mySingle Click To Dial CU	Office Number
Service Schedule	
Display Premium CID on Caller Screen	Disable
Use Bluetooth	All
Use NFC	Yes
Send Extension Number	
Caller Ring Type	None
Check Registration Protocol	Disable
Application Server Service Group	
PMS Zone Name	
Call Recording Method	
TLS Key Decryption Password Type	Direct
TLS Key Decryption Device ID	
TLS Key Decryption IC	
NFC Mobile Phone Name	
NFC Auto Login	Disable
Phone Display Name	
PROXYB Index	1
Change to Multi Type	
User Type	
Desk Phone Simultaneous Ring Delay	Disable
Use nVoIP	No
Tether Access	Disable
SIP-PRACK option	Disable
Mobile Number Auto Update	Yes
Web Access Protocol	https/http
EHS Headset	Disable
Directory Service	Disable
Push Notification	Disable
Use USB	All
Use WiFi Agent	No

Specifies how to display the Premium CID

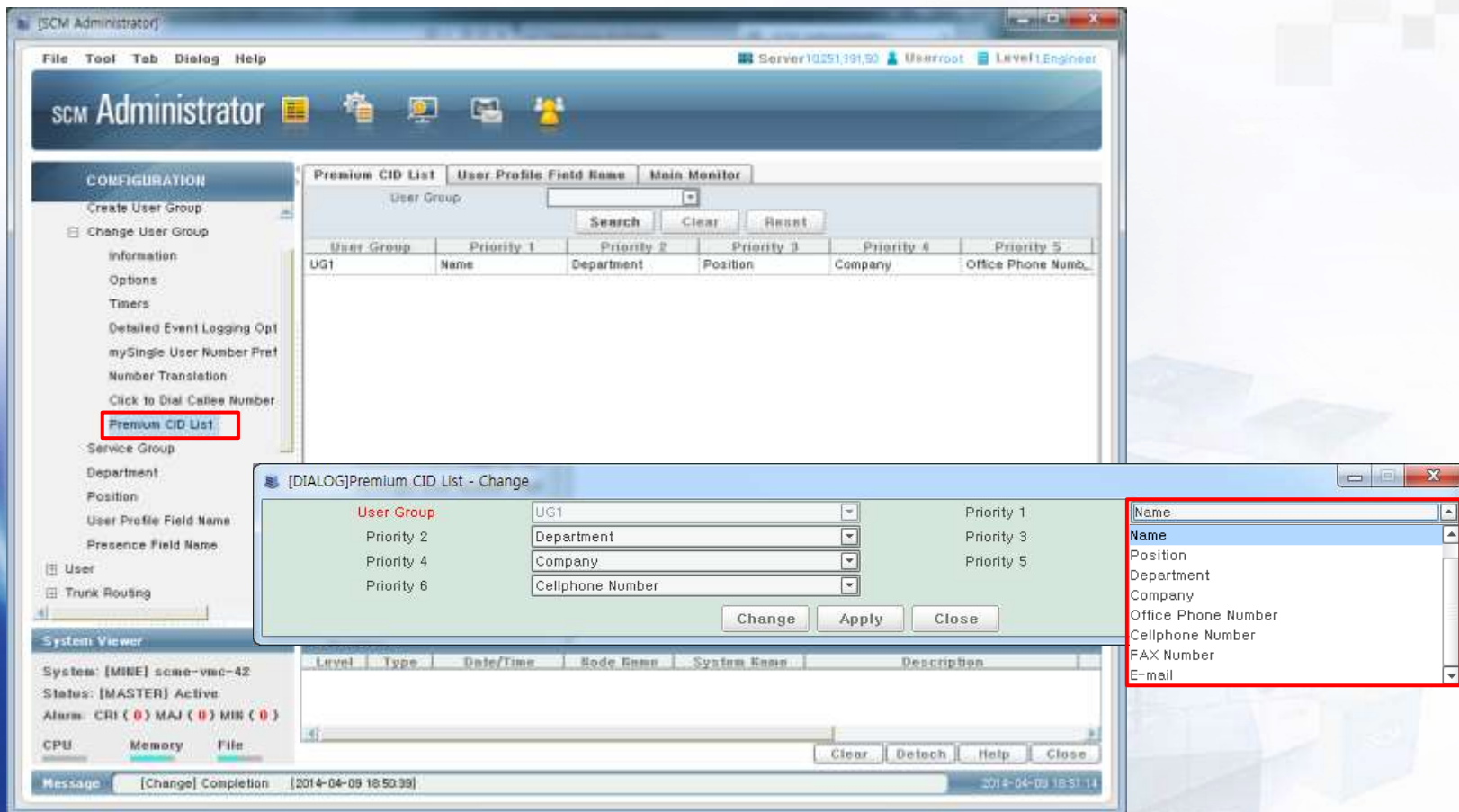
❖ Premium CID Data

- Premium CID is delivered in the SIP header.
- P-Sec-PremiumCID is a private header for Premium CID.
 - ▶ Basic Information is possible up to 6 among following data which has a display priority.
 - ✓ Name
 - ✓ Department
 - ✓ Position
 - ✓ Company Name
 - ✓ Additional 4 Information configured in the User Profile
 - ▶ Location Information
 - ✓ Longitude / Latitude
 - ▶ Photo
 - ✓ File Name / Update Time

```
P-Sec-PremiumCID: appld="2001@ug1.scm.com";  
name="Anna " ;department= " WE CM " ;position="Engineer " ;  
company="Samsung Electronics";  
type1="010-1234-1234 " ;type3= " scm@samsung.com " ;  
longitude="9b00c3f2e7cb4240";latitude="fbae08feb7be5f40";  
image="2001@ug1.scm.com.jpg";imgchgtm="2014-04-03 11:57:45"
```

❖ Premium CID Display Priority

- CONFIGURAITON > User Group > Change User Group > Premium CID list
- Configure information to be seen with a display priority. It is possible up to 6.



❖ Company Name for Premium CID Information

● CONFIGURAITON > User Group > Change User Group > Information

The screenshot displays the SCM Administrator web interface. The left sidebar shows the 'CONFIGURATION' menu with 'User Group' expanded and 'Information' selected. The main area shows the 'Information' tab for User Group UG1. A table lists the configuration details for UG1, and a dialog box is open to edit these details.

User Group	Host	Company Name	CDR Storage ...	Authenticatio...	MOH ID	MOH Enable	Tran
UG1	ug1.scm.com	Samsung Electr...	None	Internal	1100	Enable	1115

The dialog box '[DIALOG]Information - Change' shows the following configuration fields:

- User Group: UG1
- Company Name: Samsung Electronics (highlighted with a red box)
- Host: ug1.scm.com
- CDR Storage Options: None
- MOH ID: 1100
- Transfer Ringback Tone: 1115
- CLI Number: [Empty]
- Realm: ug1.scm.com
- LDAP Root Directory: [Empty]
- Default Access Code: [Empty]
- Service Call Access Code: [Empty]
- SRTP Mline offer Option: [Empty]

Buttons at the bottom of the dialog include 'Change', 'Apply', and 'Close'.

❖ User Profile Data for Premium CID

- CONFIGURAITON > User > User Profile
- Name/Department/Position/Additional Information/Photo

The screenshot shows the SCM Administrator interface. The left sidebar contains a 'CONFIGURATION' menu with options like Location, User Group, User, AOM, Attendant Console, Phone Key Programming, AOM Key Programming, Attendant Console BLF Setting, Multi-Extension Phone Setting, User Service Timers, Trunk Routing, Time Schedule, and Service. The 'User Profile' option is highlighted. The main window displays the 'User Profile - Change' dialog box. The dialog box has a 'Main Monitor' tab and a 'User Profile' sub-tab. It contains a search bar with fields for User Group, User ID, Extension Number, Mailbox Number, and buttons for Search, Clear, and Reset. Below the search bar is a table with columns: User Group, User ID, Extension, Name, Extension, and Department. The table shows one entry: UG1, 2005@ug1.scm.com, 2005, 2005, 2005. The 'User Profile - Change' dialog box has several sections: 'Application User' with fields for User ID (2100@ug1.scm.com), Name (2100), Extension (2100), Position (Manager), and System Photo File Name (DrearyWorld123.jpg); 'Password' with a Password field (masked with asterisks); 'User Group' with a dropdown menu (UG1); 'Department' with a dropdown menu (WE CM Lab.); 'A-A Primary Node' with a dropdown menu (NODE 0); 'Presence' with a dropdown menu (No); 'Director' with a dropdown menu (No); 'Cellphone Number' with a text field (010-9530-1234); 'E-mail' with a text field (korea@samsung.com); 'Mailbox Number' with a text field (2100); 'Outlook Add-In' with a dropdown menu (YES); 'Voice Attach Permission' with a dropdown menu (YES); 'Registered E-mail Address' with a text field; 'Notice Transfer' with a checkbox; 'Notice E-mail Address1-5' with text fields; 'Delivery' with a checkbox; and 'Delivery E-mail Address1-3' with text fields. There are also buttons for 'Change', 'Apply', and 'Close' at the bottom.

❖ User Profile Field Name for Premium CID

- CONFIGURATION > .. Group > Change User Group > User Profile Field Name
- Add/Delete the name of additional user profile data for Premium CID

The screenshot shows the SCM Administrator interface. On the left, the 'CONFIGURATION' menu is expanded, and 'User Profile Field Name' is selected. The main window displays the 'User Profile Field Name' configuration table. Below this, the 'Change User Profile' dialog box is open, showing fields for 'Office Phone Number' and 'FAX Number'. A red box highlights the 'Office Phone Number' field in the dialog, and a red arrow points from this field to the 'Office Phone Number' field in the table above.

Language	Index	Name
Korean	1	Office Phone Number
English	1	Office Phone Number
Korean	2	Cellphone Number
English	2	Cellphone Number
Korean	3	FAX Number
English	3	FAX Number
Korean	4	E-mail
English	4	E-mail
Korean	5	
English	5	
Korean	6	
English	6	

The 'Change User Profile' dialog box shows the following fields:

- Application User: User ID (2100@ug1.scm.com), Name (2100), Extension (2100), Position (Manager), LDAP Server Manager (No), System Photo File Name (GreasyWorld123.jpg)
- Office Phone Number (031-279-1234), FAX Number
- Mailbox Number (2100)
- Password, User Group (UG1), Department (WE CM Lab.), A-A Primer Mode (MODE 0), Province, Director, Telephone Number (010-9530-1234), E-mail (koala@samsung.com)

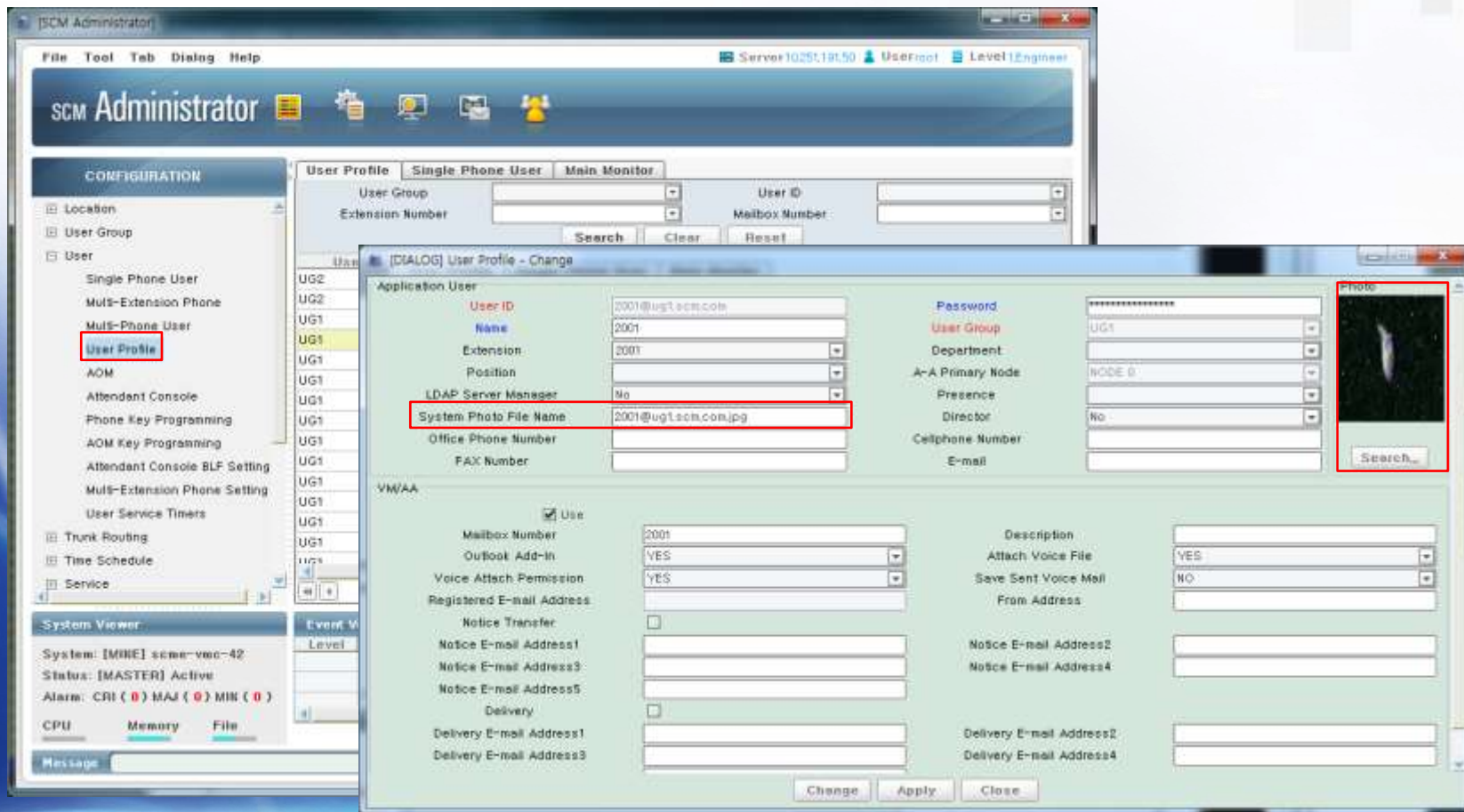
Chapter 3.

Photo File Management



❖ Single Photo File Upload - admin

- CONFIGURAITON > User > User Profile
- Click Search button to upload a photo file. Application Id is used for Photo File Name automatically.



❖ Single Photo File Upload – Personal Assistant

My Info - Windows Internet Explorer

My Info

Photo 

Search... Register

Photo Size : 400*300 pixel, less than 400KB

Photo Type for uploading : jpg, png, bmp

ID	3001@ug1.scm.com
Name	3001
User Group	UG1
Extension Number	3001
Department	
Position	
Current Password	
New Password	
Confirm Password	
Office Phone Number	

Personal Assistant

ID

Password

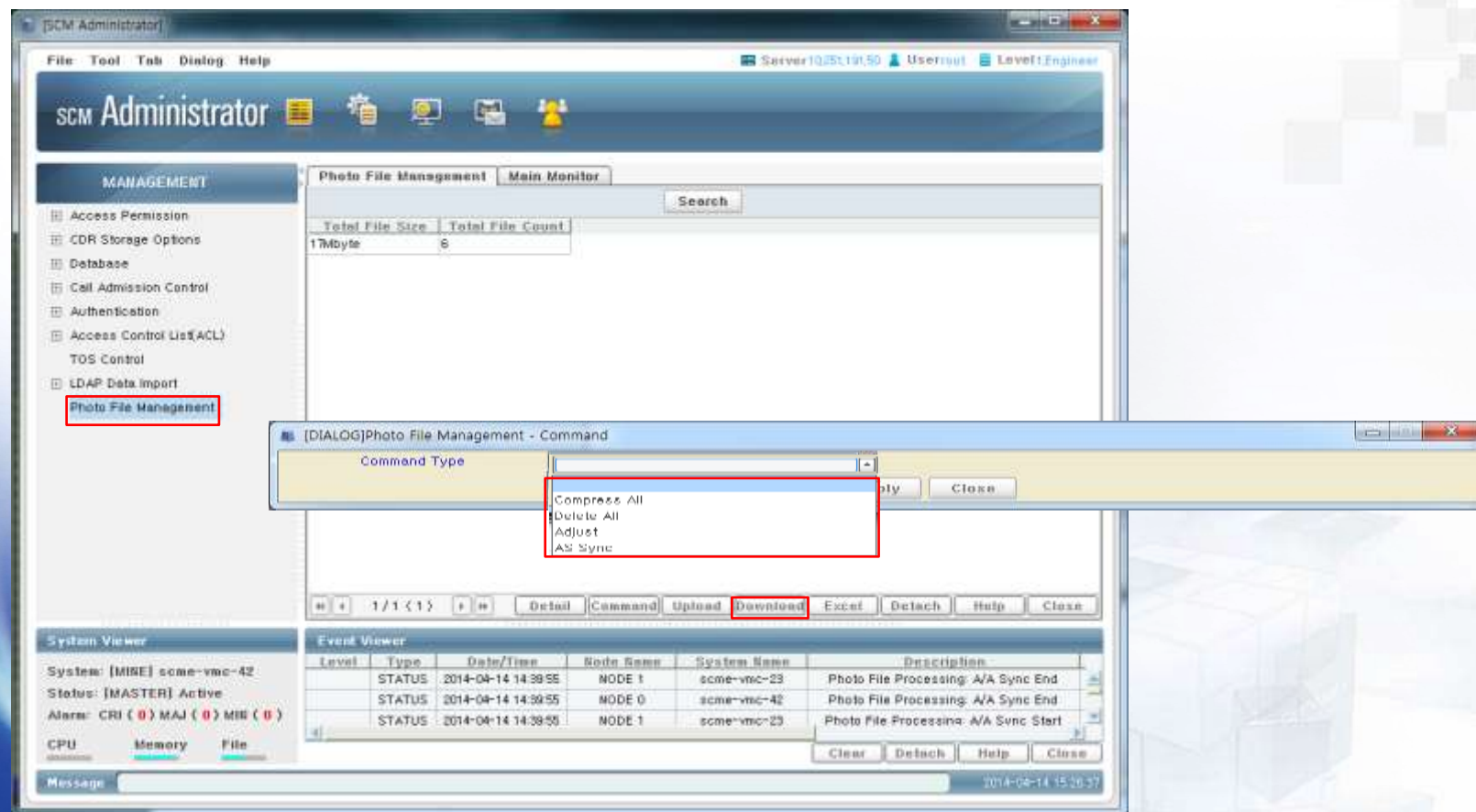
Save ID ☐

Login

Copyright (c) 2010 Samsung Electronics Co., Ltd.

Photo File Management

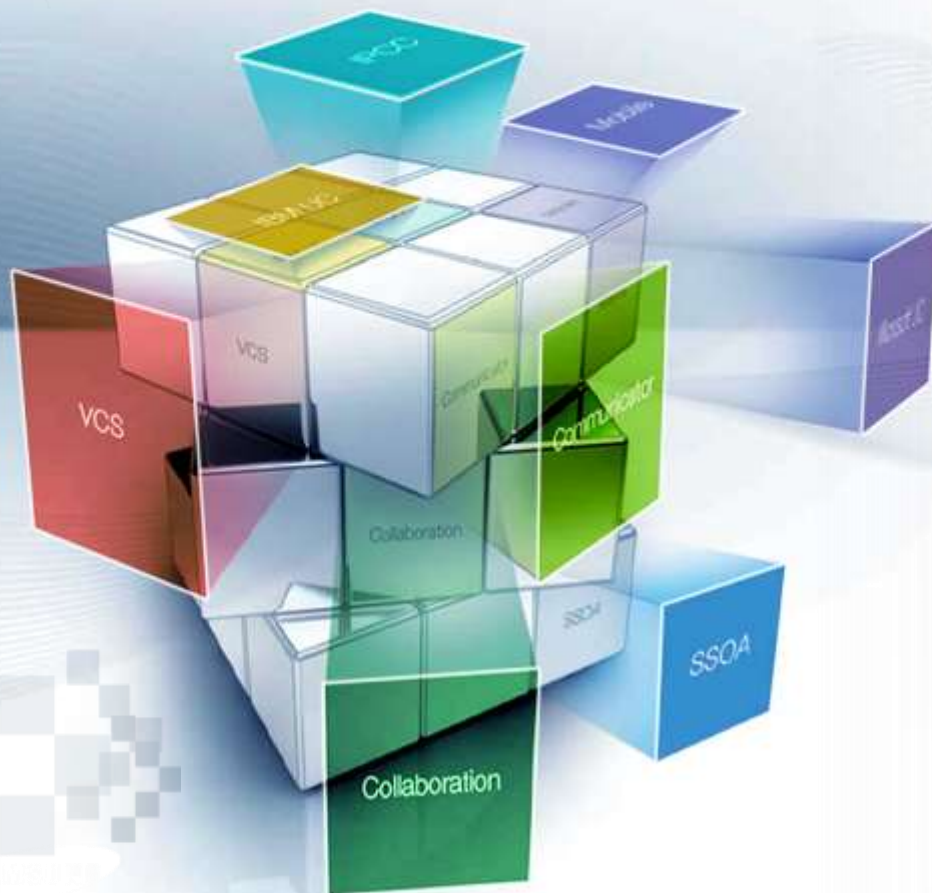
● MANAGEMENT > Photo File Management



- ✓ **Compress All** : Compress all files in the down directory. Compressed file can be download with the Download button
- ✓ **Delete All** : Before upload new file, all files can be deleted
- ✓ **Adjust** : Delete unused files
- ✓ **As Sync** : Manual AS Sync is supported
- ✓ **Download** : Compressed file can be download

Chapter 4.

Presence Service



❖ Presence Service Activation for FMC

- 1. configure the Presence Service Server
 - 2. configure the Mobile Phone Profile
 - 3. configure the Presence Field Name
- Used Port : 18202

The screenshot displays the SCM Administrator web interface. The left sidebar contains a 'CONFIGURATION' tree with three items highlighted by red boxes and numbered 1, 2, and 3:

- 1. Presence Service Server
- 2. Mobile Phone Profile
- 3. User Group

The main content area shows the 'Presence Service Server' configuration page. It includes a 'User Group' dropdown menu, 'Search', 'Clear', and 'Reset' buttons. Below these is a table with the following data:

User Group	Name	Service Type	IP Address	Port	Protocol	Public IP Ad
UG1	PRESENCE_UG1	Internal Presence			TLS	

At the bottom of the interface, there is an 'Event Viewer' section showing a log of events:

Level	Type	Date/Time	Node Name	System Name	Description
	STATUS	2014-04-11 16:10:23	NODE 0	scme-vmc-08	SUBSCRIBER REG TIMEOUT : UG[UG1] NA...
	STATUS	2014-04-11 14:18:41	NODE 0	scme-vmc-08	[PROFILE] Profile Creation END : Available ...
	STATUS	2014-04-11 14:18:40	NODE 0	scme-vmc-08	IPROFILE Profile Creation START

The bottom status bar shows the date and time: 2014-04-11 16:57:51.

❖ Presence Service Activation

1. configure the Presence Service Server

Configure this server for Directory Service.

[CONFIGURATION > Wireless Enterprise> Mobile Service Server > Presence Service Server]

User Group	UG1	Name	PRESENCE_UG1
Service Type	Internal Presence Server	IP Address	
Port		Protocol	TLS
Public IP Address		Public Port	18202
Public Protocol	TLS		

Change Apply Close

Item	Description
User Group	User group to which the Server belongs
Name	Server name
Service Type	Internal : SCME is operated as the presence server. IP Addr and Port are inputted automatically. External : External presence server.
IP Address	IP Address of the Server
Port	Port of the Server
Protocol	Protocol of the Server
Public IP Address	Public IP Address of the Server
Public Port	Public Port of the Server
Public Protocol	Public Protocol of the Server

Presence Service Activation

2. configure the Mobile Phone Profile

[CONFIGURATION > Wireless Enterprise> Mobile Phone Profile]

- Presence Service Option set to the "Enable" for service activation.

[DIALOG]Mobile Phone Profile - Change

User Group	UG1	Extension Number	2001
Mobile Phone Number		User Agent Info	
Roaming Trigger	-70	Roaming Delta	10
Roaming Scan Period	3	Noise Supression RX	Disable
Noise Supression TX	Disable	AECM	Speaker Phone
Echo Suppression	Enable	Enable Swing Free RX	Enable
Enable Swing Free TX	Enable	Enable CNG	Enable
Media Start Port	10000	Media End Port	30000
Multiframe Enable	Disable	Multicast Enable	Disable
TOS Media Value(DSCP)	192	TOS Control Value(DSCP)	192
JBC Threshold	4	SIP Rx Port	5080
SIP Rx Public Port	5080	Node1 SIP Rx Port	5090
Node1 SIP Rx Public Port	5090	Protocol - public network	TLS
TLS Connection - public network	Reuse	Expire Time(sec) - private network	3600
Expire Time(sec) - public network	3600	SIP Registration - WiFi Hotspot	Enable
SIP Registration - mVoIP	Enable	Directory Service - Private(Office)	Enable
Directory Service - WiFi Hotspot	Enable	Directory Service - mVoIP	Enable
Presence Service - Private(Office)	Enable	Presence Service - WiFi Hotspot	Enable
Presence Service - mVoIP	Enable	Location Service - Private(Office)	Enable
Location Service - WiFi Hotspot	Enable	Location Service - mVoIP	Enable
Update Location - Min Distance(m)	500	Update Location - Min Period(min)	10
Update Location - Forced Period(hour)	3	Update Location - Start Time	08:00:00
Update Location - End Time	17:00:00		

Change Apply Close

Presence Service Activation

3. configure the Presence Field Name

Configure the presence field. (1~7 field is available)

[CONFIGURATION > User Group > Presence Field Name]

SCM Administrator

File Tool Tab Dialog Help

Server10.251.192.27 Useradmin Level1,Engineer

CONFIGURATION

- Location
- User Group
 - Create User Group
 - Change User Group
 - Service Group
 - Department
 - Position
 - User Profile Field Name
 - Presence Field Name**
- User
- Trunk Routing
- Time Schedule
- Service
- Wireless Enterprise
- Application
- Phone Setting
- Announcement

Presence Field Name

Premium CID List Mobile Phone Profile Department Wifi Agent User ...

Language

Search Clear Reset

Language	Index	Name
Korean	1	Work
English	1	Work
Korean	2	Meal
English	2	Meal
Korean	3	Meeting
English	3	Meeting
Korean	4	B-Trip
English	4	B-Trip
Korean	5	DND
English	5	DND
Korean	6	
English	6	
Korean	7	
English	7	

1 / 1 (14)

Detail Change Excel Detach Help Close

System Viewer

System: scme-vmc-08

Status: Active Alone

Alarm: CRI (0) MAJ (0) MIN (0)

CPU Memory File

Event Viewer

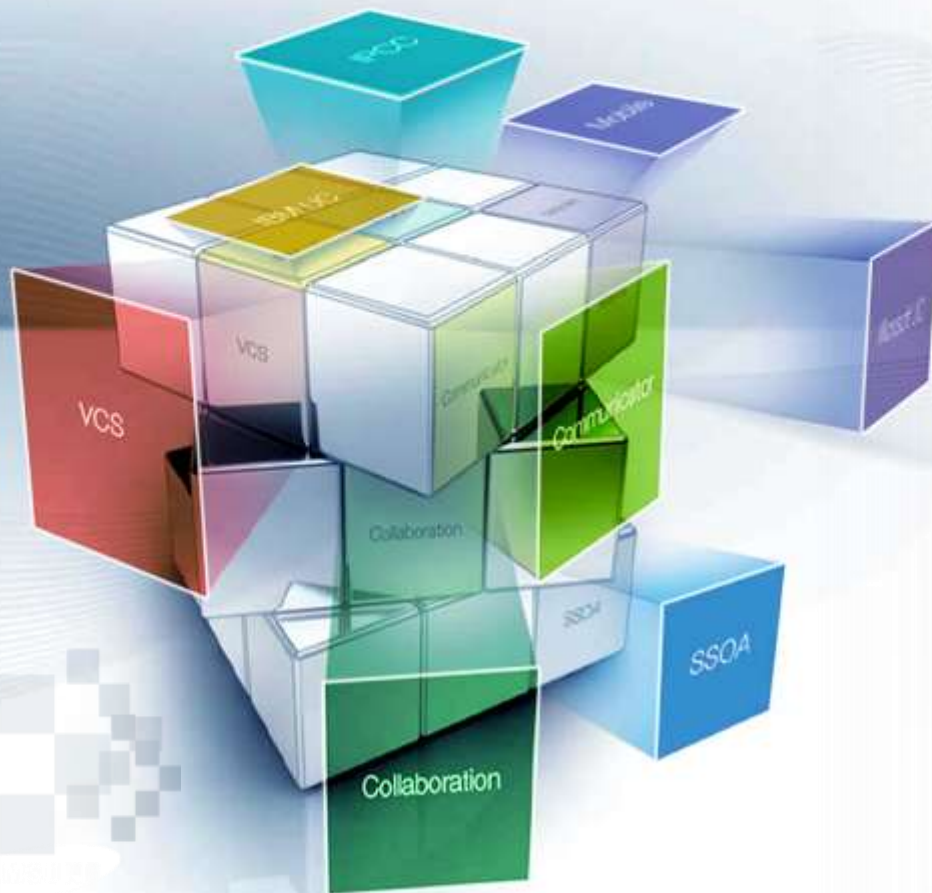
Level	Type	Date/Time	Node Name	System Name	Description
	STATUS	2014-04-14 15:41:05	NODE 0	scme-vmc-08	SUBSCRIBER REG TIMEOUT : UG[UG1] NA...
	STATUS	2014-04-14 15:40:57	NODE 0	scme-vmc-08	SUBSCRIBER REG TIMEOUT : UG[UG1] NA...
	FAULT	2014-04-14 14:39:45	NODE 0	scme-vmc-08	AUTHENTICATION FAIL[2005@ua1.scm.com...

Clear Detach Help Close

Message [Change] Completion [2014-04-14 16:19:29] 2014-04-14 16:22:39

Chapter 5.

Location Service



❖ Location Service Activation for FMC

1. configure the Location Service Server
 2. configure the User Group Option for Location Service
 3. configure the Mobile Phone Profile
- Used Port : 18202

The screenshot shows the SCM Administrator web interface. The left sidebar contains a tree view of configuration options. The main area displays the 'Location Service Server' configuration page. The 'User Group' dropdown is set to 'UG1'. The 'Service Type' is 'Internal Location S...'. The 'Port' is '18202'. The 'Protocol' is 'TLS'. The 'Public IP Ad...' is empty. The 'Event Viewer' at the bottom shows a log of events.

CONFIGURATION

- User Group
- User
- Trunk Routing
- Time Schedule
- Service
- Wireless Enterprise
- Mobile Phone Profile
- Mobile Service Options
- Mobile Service Server
 - Log File Upload Server
 - Logo File Upload Server
 - Photo File Upload Server
 - Directory Service Server
 - Presence Service Server
 - Location Service Server
- Mobile Configuration
- FMS Zone
- WRL Agent Configuration

System Viewer

System: scme-vmc-08
Status: Active Alone
Alarm: CRI (0) MAJ (0) MIN (0)
CPU Memory File

Location Service Server

User Group:

User Group	Name	Service Type	IP Address	Port	Protocol	Public IP Ad...
UG1	LOCATION_UG1	Internal Location S...		18202	TLS	

Event Viewer

Level	Type	Date/Time	Node Name	System Name	Description
	STATUS	2014-04-11 16:10:23	NODE 0	scme-vmc-08	SUBSCRIBER REG TIMEOUT : UG[UG1] NA...
	STATUS	2014-04-11 14:18:41	NODE 0	scme-vmc-08	[PROFILE] Profile Creation END : Available ...
	STATUS	2014-04-11 14:18:40	NODE 0	scme-vmc-08	[PROFILE] Profile Creation START

2014-04-11 17:05:00

Location Service Activation

1. configure the Location Service Server

Configure this server for Location Service.

[CONFIGURATION > Wireless Enterprise> Mobile Service Server > Location Service Server]

[DIALOG]Location Service Server - Change

User Group	UG1	Name	LOCATION_UG1
Service Type	Internal Location Server	IP Address	
Port		Protocol	TLS
Public IP Address		Public Port	18202
Public Protocol	TLS		

Change Apply Close

Item	Description
User Group	User group to which the Server belongs
Name	Server name
Service Type	Internal : SCME is operated as the location server. IP Addr and Port are inputted automatically. External : External location server.
IP Address	IP Address of the Server
Port	Port of the Server
Protocol	Protocol of the Server
Public IP Address	Public IP Address of the Server
Public Port	Public Port of the Server
Public Protocol	Public Protocol of the Server

Location Service Activation

2. configure the User Group Option

[CONFIGURATION > User Group > Change User Group > Options]

- Mobile Phone Location Service set to the "Yes" for service activation.

[DIALOG] Options - Change

User Group	UG1	Transfer RingBack Tone	MOH
Operator Recall	Disable	Auto Answer Attention Tone	Bellcore 1
Auto Answer Tone Count	0	Chain Forwarding	First Callee
Call Authentication	Disable	CSTA Port	6001
Maximum Call Forward Count	3	Long Duration Call Auto Release	Disable
Park Announcement ID	1100	Push Service Announcement ID	
Wake-Up Announcement ID	1049	Wake-Up Announcement Iteration	3
Wake-Up No Answer Retry Count	3	Wake-Up Ring Type	None
Callback Ring Type	None	Recall Ring Type	None
Paging On Answer Ring Type	None	Dispatch Conf. Ring Type	Siren 1
Predefined Conf. Ring Type	Siren 1	Line Seize Option	None
Transfer Recall	Enable All	Application Server Service Group	UG1-APPGRP1
Node1 App Server Service Group		Missed Call by Multi-Device	Display Disable
Missed Call by Hunt Answer	Display Disable	Missed Call by Multiring Answer	Display Disable
Missed Call for Pickup	Display Disable	System Speed Dial Display	Speed Number
Transfer Target Display for Recall	Enable Operator Only	CSTA Node Code	0
No Ring for Multi-Device	Disable	Minimum Number Translation Length	10
Hunt Group Member Service	Disable	Smart Routing Service	Enable
Use Default Access Code Use List	No	All Hot Desking Logout	Disable
All Hot Desking Logout Time	00:00	Multi-ring Member Display	Multi-ring
LDAP Server Update Option	Not use	Dialing Number Display for Outgoing	Peer Info
Mobile Phone Location Service	Yes		

Change Apply Close

Location Service Activation

3. configure the Mobile Phone Profile(1/2)

[CONFIGURATION > Wireless Enterprise> Mobile Phone Profile]

- Location Service Option set to the "Enable" for service activation.

[DIALOG]Mobile Phone Profile - Change

User Group	UG1	Extension Number	2001
Mobile Phone Number		User Agent Info	
Roaming Trigger	-70	Roaming Delta	10
Roaming Scan Period	3	Noise Supression RX	Disable
Noise Supression TX	Disable	AECM	Speaker Phone
Echo Suppression	Enable	Enable Swing Free RX	Enable
Enable Swing Free TX	Enable	Enable CNG	Enable
Media Start Port	10000	Media End Port	30000
Multiframe Enable	Disable	Multicast Enable	Disable
TOS Media Value(DSCP)	192	TOS Control Value(DSCP)	192
JBC Threshold	4	SIP Rx Port	5080
SIP Rx Public Port	5080	Node1 SIP Rx Port	5090
Node1 SIP Rx Public Port	5090	Protocol - public network	TLS
TLS Connection - public network	Reuse	Expire Time(sec) - private network	3600
Expire Time(sec) - public network	3600	SIP Registration - WiFi Hotspot	Enable
SIP Registration - mVoIP	Enable	Directory Service - Private(Office)	Enable
Directory Service - WiFi Hotspot	Enable	Directory Service - mVoIP	Enable
Presence Service - Private(Office)	Enable	Presence Service - WiFi Hotspot	Enable
Presence Service - mVoIP	Enable	Location Service - Private(Office)	Enable
Location Service - WiFi Hotspot	Enable	Location Service - mVoIP	Enable
Update Location - Min Distance(m)	500	Update Location - Min Period(min)	10
Update Location - Forced Period(hour)	3	Update Location - Start Time	08:00:00
Update Location - End Time	17:00:00		

Change Apply Close

❖ Location Service Activation

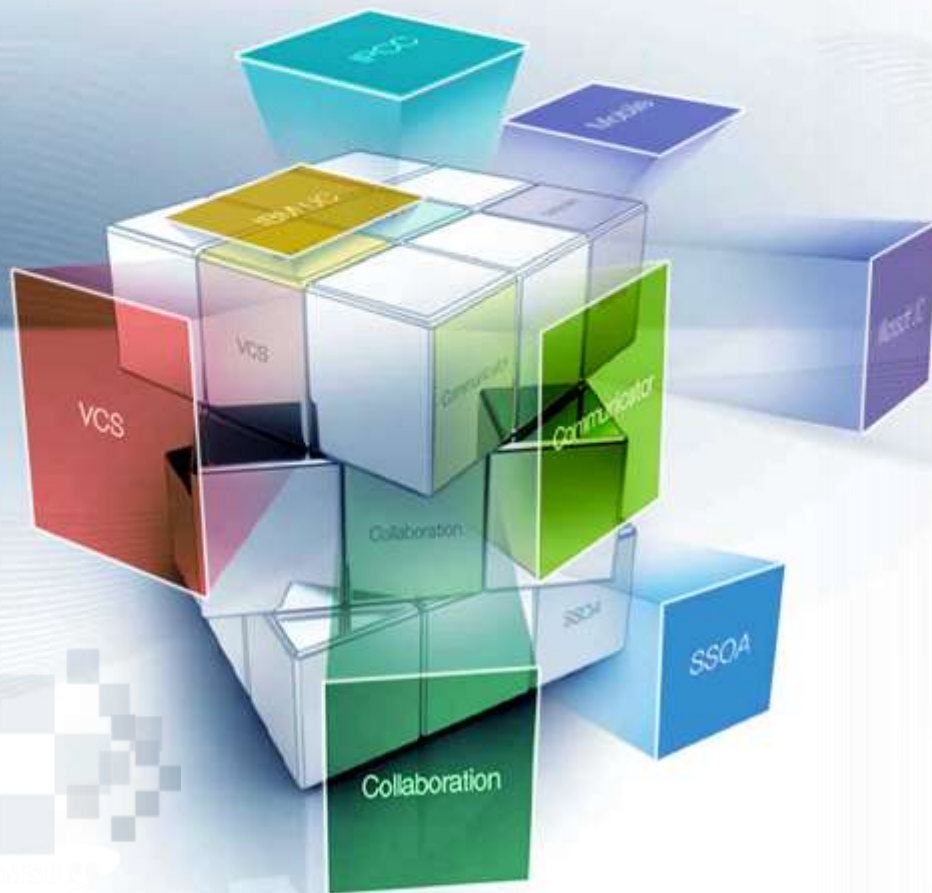
3. configure the Mobile Phone Profile(2/2)

[CONFIGURATION > Wireless Enterprise> Mobile Phone Profile]
- configure location service option

Item	Description
Location Service - Private(Office)	Select option for Using Location Service when Private WiFi Network Zone register (Default: Disable)
Location Service - WiFi Hotspot	Select option for Using Location Service when public WiFi Hotspot Network Zone register (Default: Disable)
Location Service – mVoIP	Select option for Using Location Service when LTE Network Zone register (Default: Disable)
Update Location - Min Distance (m)	Enter Minimum Distance Meters for Location Service (default : 500 meter)
Update Location - Min Period (min)	Enter Minimum Period Minutes for Location Service (default : 10 min)
Update Location - Forced Period (hour)	Enter a Upload Period Hour for Location Information (default : 3 hour)
Update Location - Start Time	Enter a Service's Start Time for Location Service (default : 08:00)
Update Location - End Time	Enter a Service's End Time for Location Service (default : 08:00)

Chapter 6.

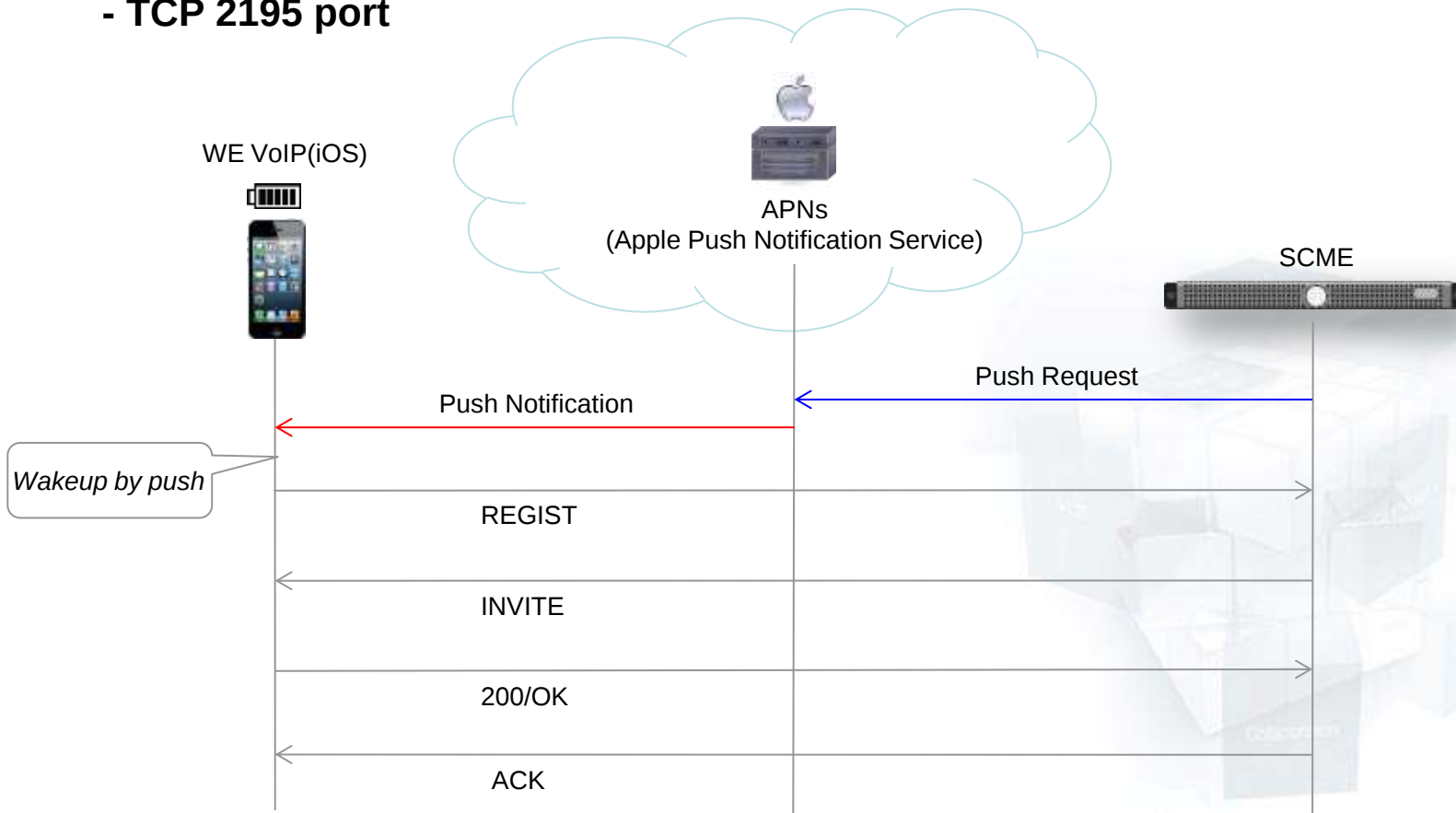
Push Service



Push Service for WE VoIP(iOS)

1. Introduction

- To receive a incoming call, WE VoIP must be registered to SCM.
- WE VoIP(iOS) can send a register message to SCM when WE VoIP is wake up.
- Push Service is used to request a registration to WE VoIP(iOS).
- To send a push request to APNs, firewall must be opened.
 - TCP 2195 port



Push Service for WE VoIP(iOS)

2. APNs Link Setting

- DNS configuration is required to connect link to APNs.
- [CONFIGURATION > Miscellaneous > DNS Server]

[DIALOG]DNS Server - Change

DNS Server 1: 10.41.128.98

DNS Server 2: 165.213.246.161

DNS Server 3:

Change Apply Close

DNS Server IP

- Activate a Push Notification Service Option.
- [CONFIGURATION > Wireless Enterprise > Mobile Push Service]

[DIALOG]Mobile Push Service - Change

OS Type: iOS

Status: CONNECTED

Service Activation: ENABLE

Node Name: NODE 0

Change Apply Close

Check Current Link Status

Change to Enable

Mobile Push Service

Search

OS Type	Service Activation	Status	Node Name
iOS	ENABLE	CONNECTED	NODE 0
iOS	ENABLE	CONNECTED	NODE 1

1 / 1 (2)

Detail Change Excel Attach Help Close

Push Service for WE VoIP(iOS)

3. Check the TCP Link Status

- Check a link status by Wireshark program in SCM.
 - Input wireshark command in terminal.

```
root@scme-vmc-17:~  
[root@scme-vmc-17 ~]# wireshark
```

- If there are keep-alive message, APNs link connection is success.

eth0: Capturing - Wireshark

Filter: `tcp.port == 2195`

No.	Time	Source	Destination	Protocol	Info
16070	101.424270	10.251.192.217	17.172.232.46	TCP	[TCP Keep-Alive] 54792 > 2195 [A
16099	101.655133	17.172.232.46	10.251.192.217	TCP	[TCP Keep-Alive ACK] 2195 > 5479
19282	122.054283	10.251.192.217	17.172.232.46	TCP	[TCP Keep-Alive] 54792 > 2195 [A
19310	122.285827	17.172.232.46	10.251.192.217	TCP	[TCP Keep-Alive ACK] 2195 > 5479

Frame 2977 (66 bytes on wire, 66 bytes captured)

Ethernet II, Src: Vmware_cc:ec:e6 (00:0c:29:cc:ec:e6), Dst: IETF-VRRP-virtual-router-VRID_02 (00:00:5e:0

Internet Protocol, Src: 10.251.192.217 (10.251.192.217), Dst: 17.172.232.46 (17.172.232.46)

Transmission Control Protocol, Src Port: 54792 (54792), Dst Port: 2195 (2195), Seq: 1, Ack: 1, Len: 0

eth0: <live capture in progress> File... Packets: 20689 Displayed: 12 Marked: 0 Profile: Default

tcp.port == 2195

TCP Keep-Alive

Push Service for WE VoIP(iOS)

4. Push Service Enable

● To use a Push Service, next option must be enable.

- [CONFIGURATION > User > Single Phone User/Multi-Extension Phone]

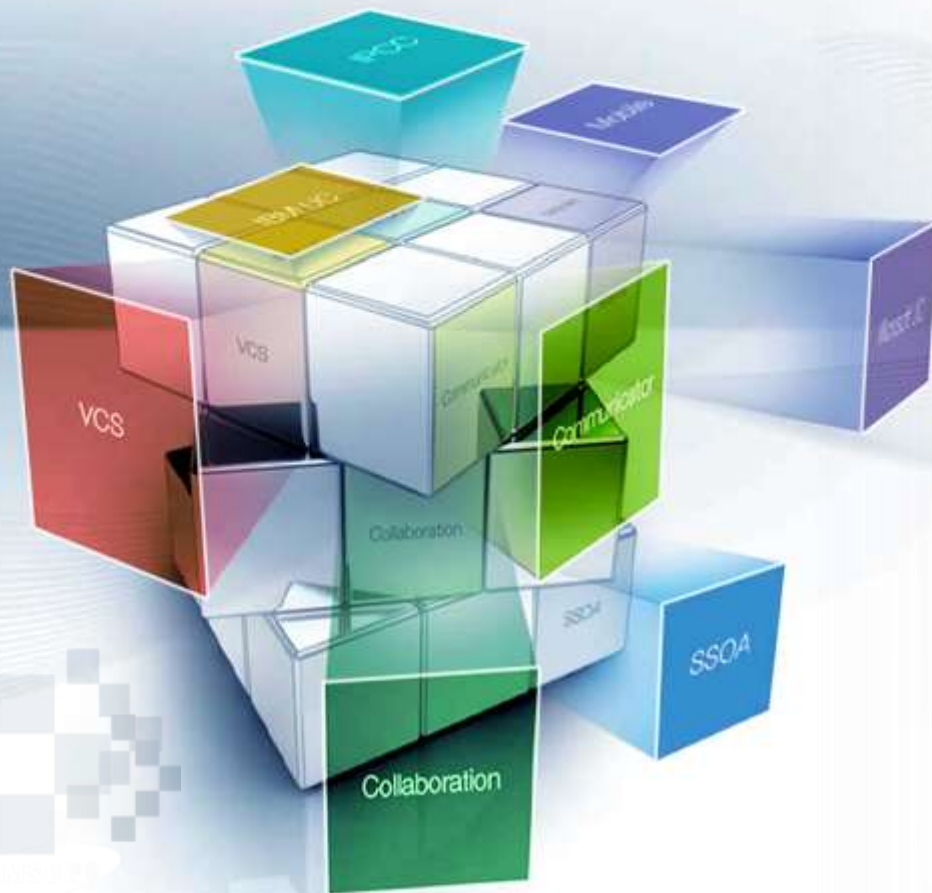
[DIALOG] Single Phone User - Change

Call Monitoring	Disable	Send Extension Number	
Use Virtual Ringback	Disable	Caller Ring Type	None
Off Hook Alarm		Check Registration Protocol	Disable
MOH SIP Media Mode	Send Only	Application Server Service Group	
CMS Monitoring	Disable	FMS Zone Name	
User Account Number		Call Recording Method	
Phone TX Gain		TLS Key Decryption Password Type	Direct
TLS Key Decryption Direct Password		TLS Key Decryption Device ID	
TLS Key Decryption Salt		TLS Key Decryption IC	512
TLS Key Decryption DK	20	NFC Mobile Phone Name	
Phone Call History	On	NFC Auto Login	Disable
Allow Selective Call		Phone Display Name	Extension Number
Use InterProxy	Disable	PROXYB Index	2
Input Number Display		Change to Multi Type	
Call Appearance		User Type	
Error Announcement		Desk Phone Simultaneous Ring Delay	Disable
CLI for Forwarded Call		Use mVoIP	No
Resume after Transfer-Cancel	No	Telnet Access	Disable
Use WiFi	Enable	SIP-PRACK option	Disable
Comfort Noise	No	Mobile Number Auto Update	Yes
Send RTCP on Hold	No	Web Access Protocol	http/https
mySingle Click To Dial CLI	Office Number	EHS Headset	Disable
Service Schedule		Premium CID	Disable
Display Premium CID on Caller Screen	Disable	Push Notification	Enable
Use Bluetooth	All	Use USB	All
Use NFC	Yes	Use WiFi Agent	No

Change Apply Close

Chapter 7.

Configure a Leaving Office COS



❖ 1. Leaving Office Class of Service

Leaving Office Class of Service

- Provides restriction policies when user leaves the office.

Step1) Service Schedule settings

Step2) Restriction List/Policy settings

Step3) Leaving Office Class of Service settings

Step4) User settings

Service Schedule Settings(1)

1. Select the User Group and Service Schedule.

SCM Administrator

File Tool Tab Dialog Help

Server10.251.194.23 Userroot Level1.Engineer

CONFIGURATION

- Location
- User Group
- User
- Trunk Routing
- Time Schedule
 - Calendar Exceptions
 - Ring Plan Schedule
 - Ring Plan Override
 - Service Schedule**
- Service
- Wireless Enterprise
- Application
- Phone Setting
- Announcement
- Miscellaneous
- Gateway
- Active/Active Redundancy

Service Schedule Class of Service Directory Service Control Single Phone User Emergency ...

User Group Service Schedule

Search Clear Reset

User Group	Service Schedule	Service Schedule Status
scm23	Service Schedule 1	Unset
scm23	Service Schedule 2	Unset
scm23	Service Schedule 3	Unset
scm23	Service Schedule 4	Unset
scm23	Service Schedule 5	Unset
scm23	Service Schedule 6	Unset
scm23	Service Schedule 7	Unset
scm23	Service Schedule 8	Unset
scm23	Service Schedule 9	Unset
scm23	Service Schedule 10	Unset
scm23	Service Schedule 11	Unset
scm23	Service Schedule 12	Unset
scm23	Service Schedule 13	Unset
scm23	Service Schedule 14	Unset
scm23	Service Schedule 15	Unset
scm23	Service Schedule 16	Unset

1 / 1 (32) Detail **Change** Excel Detach Help Close

System Viewer

System: [MINE] scme-vmc-40

Status: [MASTER] Active Alone

Alarm: CRI (0) MAJ (0) MIN (0)

CPU Memory File

Event Viewer

Level	Type	Date/Time	Node Name	System Name	Description
-------	------	-----------	-----------	-------------	-------------

Clear Detach Help Close

Message [Search] Completion (Total : 32 / 32) [2014-04-11 14:21:25] 2014-04-11 14:21:28

Service Schedule Settings(2)

2. Configure weekly work time.

[DIALOG]Service Schedule - Change

User Group: scm23 Service Schedule: Service Schedule 2

	Monday	Tuesday	Wednes...	Thursday	Friday	Saturday	Sunday	Holiday1	Holiday2	User1	User2
00:00											
01:00											
02:00											
03:00											
04:00											
05:00											
06:00											
07:00											
08:00											
09:00											
10:00											
11:00											
12:00											
13:00											
14:00											
15:00											
16:00											
17:00											
18:00											
19:00											
20:00											
21:00											
22:00											
23:00											

Unset

Set

Day Type	Start Time	End Time	Service
Friday	00:00	20:00	Set

Change Apply Close

※ Holiday1, Holiday2, User1 and User2 can define
in [CONFIGURATION > Time Schedule > Calendar Exceptions] Menu

Service Schedule Settings(3)

3. Check Service Schedule Status.

Leaving Office Class of Service is activated when Service Schedule Status is '**unset**'.

SCM Administrator

File Tool Tab Dialog Help

Server10.251.194.23 Userroot Level1,Engineer

CONFIGURATION

- Location
- User Group
- User
- Trunk Routing
- Time Schedule
 - Calendar Exceptions
 - Ring Plan Schedule
 - Ring Plan Override
 - Service Schedule
- Service
- Wireless Enterprise
- Application
- Phone Setting
- Announcement
- Miscellaneous
- Gateway
- Active/Active Redundancy

Service Schedule Class of Service Directory Service Control Single Phone User Emergency ...

User Group Service Schedule

Search Clear Reset

User Group	Service Schedule	Service Schedule Status
scm23	Service Schedule 1	Unset
scm23	Service Schedule 2	Set
scm23	Service Schedule 3	Unset
scm23	Service Schedule 4	Unset
scm23	Service Schedule 5	Unset
scm23	Service Schedule 6	Unset
scm23	Service Schedule 7	Unset
scm23	Service Schedule 8	Unset
scm23	Service Schedule 9	Unset
scm23	Service Schedule 10	Unset
scm23	Service Schedule 11	Unset
scm23	Service Schedule 12	Unset
scm23	Service Schedule 13	Unset
scm23	Service Schedule 14	Unset
scm23	Service Schedule 15	Unset
scm23	Service Schedule 16	Unset

1 / 1 (32)

Detail Change Excel Detach Help Close

System Viewer

System: [MINE] scme-vmc-40

Status: [MASTER] Active Alone

Alarm: CRI (0) MAJ (0) MIN (0)

CPU Memory File

Event Viewer

Level	Type	Date/Time	Node Name	System Name	Description
-------	------	-----------	-----------	-------------	-------------

Clear Detach Help Close

Message [Search] Completion (Total : 32 / 32) [2014-04-11 14:22:34] 2014-04-11 14:22:36

❖ Toll Restriction List/Policy settings(1)

1. Create Toll Restriction List

Configure a restriction list for leaving a office.

The screenshot shows the SCM Administrator web interface. The main window displays the 'Toll Restriction List' configuration page. A dialog box titled '[DIALOG]Toll Restriction List - Create' is open, allowing the user to create a new restriction list. The dialog box contains the following fields:

- User Group:** scm23
- Name:** Toll_Restriction_List
- Restriction Digit:** 010
- Restriction Type:** Outgoing
- Restriction Enable:** Enable

Buttons for 'Create', 'Apply', and 'Close' are located at the bottom of the dialog box. In the background, the 'Toll Restriction List' option is selected in the left-hand menu, and the 'Create' button in the bottom toolbar is highlighted with a red box.

Check 'Restriction Digit' before create restriction list.

If access code is normal type, restriction list should be exclude access code.

If not, restriction list should be include access code.

Toll Restriction List/Policy settings(2)

2. Create Toll Restriction Policy

[SCM Administrator]

File Tool Tab Dialog Help Server1Q251.194.23 Userroot Level1.Engineer

SCM Administrator

CONFIGURATION Toll Restriction Policy Toll Restriction List Service Schedule Calendar Exceptions Class of ...

[DIALOG]Toll Restriction Policy - Create

User Group	scm23	Name	Toll_Restriction_Policy
Default Toll Restriction	Toll_Restriction_List	Ring Plan Schedule	
RP1 Toll Restriction		RP2 Toll Restriction	
RP3 Toll Restriction		RP4 Toll Restriction	
RP5 Toll Restriction		RP6 Toll Restriction	
RP7 Toll Restriction		RP8 Toll Restriction	
RP9 Toll Restriction		RP10 Toll Restriction	
RP11 Toll Restriction		RP12 Toll Restriction	
RP13 Toll Restriction		RP14 Toll Restriction	
RP15 Toll Restriction			

Create Apply Close

Toll Restriction List
Toll Restriction Policy
Smart Routing Restriction List
CLI Routing
DID Routing
Default Access Code Use List

1 / 1 (1) Detail Create Change Delete Excel Detach Help Close

System Viewer

System: [MINE] scme-vmc-40
Status: [MASTER] Active Alone
Alarm: CRI (0) MAJ (0) MIN (0)

CPU Memory File

Event Viewer

Level	Type	Date/Time	Node Name	System Name	Description
-------	------	-----------	-----------	-------------	-------------

Clear Detach Help Close

Message [Create] Completion [2014-04-11 15:23:32] 2014-04-11 15:24:55

❖ Leaving Office Class of Service settings(1)

1. Create class of service for leaving a office.

The screenshot displays the 'SCM Administrator' application window. On the left, the 'CONFIGURATION' tree shows 'Service' > 'Class of Service' selected. The main window is the '[DIALOG]Class of Service - Create' dialog. The 'Name' field is highlighted with a red box and contains 'LeavingOfficeCOS'. The 'User Group' is set to 'scm23'. The 'Service Permission' section contains numerous checked options for call forwarding, recording, and other features.

Field	Value
User Group	scm23
Override Level	Level 0
Call Limitation Level	Level 0
Leaving Office Class of Service	
Call Forward Restriction Policy	
mVoIP Restriction Policy	
IP Zone B Restriction Policy	
Smart Handover Type	
Name	LeavingOfficeCOS
Privacy Level	Level 0
Second Class of Service	
Restriction Policy	
Hot Spot Restriction Policy	
IP Zone A Restriction Policy	
Call Transfer Restriction Policy	

Service Permission

☒ Call Forward All	☒ Call Forward Busy	☒ Call Forward No Answer	☒ Call Forward Unreachable
☒ Preset Call Forward All	☒ Preset Call Forward Busy	☒ Preset Call Forward No Answer	☒ Preset Call Forward Unreachable
☒ Preset Call Forward DND	☒ Absence	☒ Wake-Up Call	☒ DND
☒ Hot Line	☒ Outbound Call Lock	☒ Auto Retry	☒ Callback
☒ Remote Office	☒ Multi-ring	☒ Caller ID Block	☒ Group Call Forward
☒ No Ring	☒ AME	☒ Call Waiting	☒ Auto Answer
☒ Auto Record	☒ Hot Desking	☒ Individual Speed Dial Insert/Delete	☒ Incoming Call Logging
☒ Second Class of Service	☒ Follow Me	☒ Caller ID Display	☒ Call Recording
☒ Add-On Conference	☒ One-Step Conference	☒ Music on Hold	☒ Call Park Extension
☒ Call Park Orbit	☒ Call Transfer	☒ Barge-In with Tone	☒ Barge-In without Tone
☐ DND Override	☐ Restricted Call Forward	☒ Temporary CID Restriction	☒ Station Paging
☐ Ring Plan Override	☒ Paging On Answer	☐ Remote Extension Set	☐ Hotel Inter-Room Call Lock
☒ Premium CID Service	☐ No Ring Override	☒ Meet-me Conference	☒ Multi-Device Conference
☒ BLF Key Create	☒ Operator Call	☒ No Use Transferee Restriction Policy	☒ Direct Trunk Selection
☒ Call Bridge	☒ Move To Mobile	☒ Mobile Auto Answer	☒ NFC Service
☒ Smart Routing Activate	☒ Smart Routing including Access Co..	☐ Smart Routing Call Reject	☒ Service After Smart Routing
☒ Receiving Call in Hot Spot Zone	☒ Receiving Call in mVoIP Zone	☒ Unregistered BLF On	☒ NFC Service for Any Mobile
☒ NFC Move to WE VoIP First	☒ Different Group Call Forward	☒ Change User Name	☒ Malicious Call Trans.

Buttons: Create, Apply, Close

System View: System: [MINE] scm23-vmc-40, Status: [MASTER] Active Alone, Alarm: CRI (0) MAJ (0) MIN (0)

Message: [Create] Completion [2014-04-11 15:28:45] 2014-04-11 15:28:57

❖ Leaving Office Class of Service settings(2)

2. Assign Restriction Policy

[DIALOG]Class of Service - Create

User Group	scm23	Name	LeavingOfficeCOS
Override Level	Level 0	Privacy Level	Level 0
Call Limitation Level	Level 0	Second Class of Service	
Leaving Office Class of Service		Restriction Policy	
Call Forward Restriction Policy		Hot Spot Restriction Policy	
mVoIP Restriction Policy		IP Zone A Restriction Policy	
IP Zone B Restriction Policy		Call Transfer Restriction Policy	
Smart Handover Type			

Service Permission

☒ Call Forward All	☒ Call Forward Busy	☒ Call Forward No Answer	☒ Call Forward Unreachable
☒ Preset Call Forward All	☒ Preset Call Forward Busy	☒ Preset Call Forward No Answer	☒ Preset Call Forward Unreachable
☒ Preset Call Forward DND	☒ Absence	☒ Wake-Up Call	☒ DND
☒ Hot Line	☒ Outbound Call Lock	☒ Auto Retry	☒ Callback
☒ Remote Office	☒ Multi-ring	☒ Caller ID Block	☒ Group Call Forward
☒ No Ring	☒ AME	☒ Call Waiting	☒ Auto Answer
☒ Auto Record	☒ Hot Desking	☒ Individual Speed Dial Insert/Delete	☒ Incoming Call Logging
☒ Second Class of Service	☒ Follow Me	☒ Caller ID Display	☒ Call Recording
☒ Add-On Conference	☒ One-Step Conference	☒ Music on Hold	☒ Call Park Extension
☒ Call Park Orbit	☒ Call Transfer	☒ Barge-In with Tone	☒ Barge-In without Tone
☐ DND Override	☐ Restricted Call Forward	☒ Temporary CID Restriction	☒ Station Paging
☒ Ring Plan Override	☒ Paging On Answer	☐ Remote Extension Set	☐ Hotel Inter-Room Call Lock
☒ Premium CID Service	☐ No Ring Override	☒ Meet-me Conference	☒ Multi-Device Conference
☒ BLF Key Create	☒ Operator Call	☒ No Use Transferee Restriction Policy	☒ Direct Trunk Selection
☒ Call Bridge	☒ Move To Mobile	☒ Mobile Auto Answer	☒ NFC Service
☒ Smart Routing Activate	☒ Smart Routing including Access Co.,	☐ Smart Routing Call Reject	☒ Service After Smart Routing
☒ Receiving Call in Hot Spot Zone	☒ Receiving Call in mVoIP Zone	☒ Unregistered BLF On	☒ NFC Service for Any Mobile
☒ MEC Move to WE VoIP First	☒ Different Group Call Forward	☒ Change User Name	☒ Malicious Call Trans.

Create Apply Close

Restriction Policy Priority

Call Forward = Transfer > Hot Spot = mVoIP = IP Zone A = IP Zone b > Normal

❖ Leaving Office Class of Service settings(3)

3. Assign Leaving Office Class of Service

[DIALOG]Class of Service - Change

User Group	scm23	Name	scm23_default
Override Level	Level 3	Privacy Level	Level 3
Call Limitation Level	Level 0	Second Class of Service	
Leaving Office Class of Service	LeavingOfficeCOS	Restriction Policy	
Call Forward Restriction Policy		Hot Spot Restriction Policy	
mVoIP Restriction Policy		IP Zone A Restriction Policy	
IP Zone B Restriction Policy		Call Transfer Restriction Policy	
Smart Handover Type			

Service Permission

☒ Call Forward All	☒ Call Forward Busy	☒ Call Forward No Answer	☒ Call Forward Unreachable
☒ Preset Call Forward All	☒ Preset Call Forward Busy	☒ Preset Call Forward No Answer	☒ Preset Call Forward Unreachable
☒ Preset Call Forward DND	☒ Absence	☒ Wake-Up Call	☒ DND
☒ Hot Line	☒ Outbound Call Lock	☒ Auto Retry	☒ Callback
☒ Remote Office	☒ Multi-ring	☒ Caller ID Block	☒ Group Call Forward
☒ No Ring	☒ AME	☒ Call Waiting	☒ Auto Answer
☒ Auto Record	☒ Hot Desking	☒ Individual Speed Dial Insert/Delete	☒ Incoming Call Logging
☒ Second Class of Service	☒ Follow Me	☒ Caller ID Display	☒ Call Recording
☒ Add-On Conference	☒ One-Step Conference	☒ Music on Hold	☒ Call Park Extension
☒ Call Park Orbit	☒ Call Transfer	☒ Barge-In with Tone	☒ Barge-In without Tone
☐ DND Override	☐ Restricted Call Forward	☒ Temporary CID Restriction	☒ Station Paging
☒ Ring Plan Override	☒ Paging On Answer	☐ Remote Extension Set	☐ Hotel Inter-Room Call Lock
☒ Premium CID Service	☐ No Ring Override	☒ Meet-me Conference	☒ Multi-Device Conference
☒ BLF Key Create	☒ Operator Call	☒ No Use Transferee Restriction Policy	☒ Direct Trunk Selection
☒ Call Bridge	☒ Move To Mobile	☒ Mobile Auto Answer	☒ NFC Service
☒ Smart Routing Activate	☒ Smart Routing including Access Co...	☐ Smart Routing Call Reject	☒ Service After Smart Routing
☒ Receiving Call in Hot Spot Zone	☒ Receiving Call in mVoIP Zone	☒ Unregistered BLF On	☒ NFC Service for Any Mobile
☒ NFC Move to WE VoIP First	☒ Different Group Call Forward	☒ Change User Name	☒ Malicious Call Trace

Change Apply Close

Restriction Policy Priority

Call Forward = Transfer > Hot Spot = mVoIP = IP Zone A = IP Zone b > Normal

User settings(1)

1. Assign Service Schedule for Single Phone/Multi-Phone user.

The screenshot shows the SCM Administrator interface with the 'Single Phone User - Change' dialog box open. The 'Service Schedule' dropdown is highlighted with a red box.

SCM Administrator

CONFIGURATION

- Location
- User Group
- User
 - Single Phone User**
 - Multi-Extension Phone
 - Multi-Phone User**
 - User Profile
 - AOM
 - Attendant Console
 - Phone Key Programming
 - AOM Key Programming
 - Attendant Console BLF Set
 - Multi-Extension Phone Set
 - User Service Timers
- Trunk Routing
- Time Schedule
- Service

System Viewer

System: [MINE] scme-vmc-40
Status: [MASTER] Active Alon
Alarm: CRI (0) MAJ (0) MIN (0)

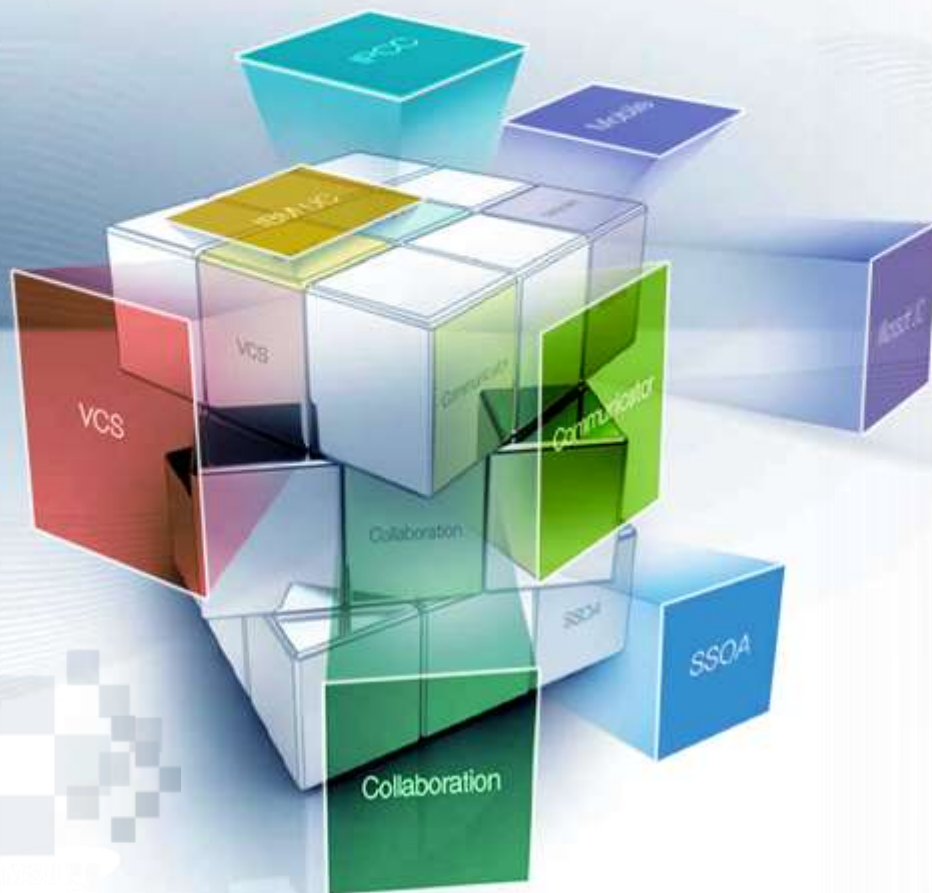
CPU Memory File

[DIALOG] Single Phone User - Change

External Ringback Tone Use	None	MOH Announcement ID	
Display Option	Normal	Send CLI Name	
Call Monitoring	Disable	Send Extension Number	
Use Virtual Ringback	Disable	Caller Ring Type	None
Off Hook Alarm		Check Registration Protocol	Disable
MOH SIP Media Mode	Send Only	Application Server Service Group	
CMS Monitoring	Disable	FMS Zone Name	
User Account Number		Call Recording Method	
Phone TX Gain		TLS Key Decryption Password Type	Direct
TLS Key Decryption Direct Password		TLS Key Decryption Device ID	
TLS Key Decryption Salt		TLS Key Decryption IC	512
TLS Key Decryption DK	20	NFC Mobile Phone Name	
Phone Call History	On	NFC Auto Login	Disable
Allow Selective Call		Phone Display Name	Extension Number
Use InterProxy	Disable	PROXYB Index	1
Input Number Display		Change to Multi Type	
Call Appearance		User Type	
Error Announcement		Desk Phone Simultaneous Ring Delay	Disable
CLI for Forwarded Call		Use mVoIP	No
Resume after Transfer-Cancel	No	Telnet Access	Disable
Use WiFi	Enable	SIP-PRAK option	Disable
Comfort Noise	No	Mobile Number Auto Update	Yes
Send RTCP on Hold	No	Web Access Protocol	http/https
mySingle Click To Dial CLI	Origin	EHS Headset	Disable
Service Schedule		Premium CID	Disable
Display Premium CID on Caller Screen	Disable	Push Notification	Disable
Use Bluetooth	All	Use USB	All
Use NFC	Yes	Use WiFi Agent	No

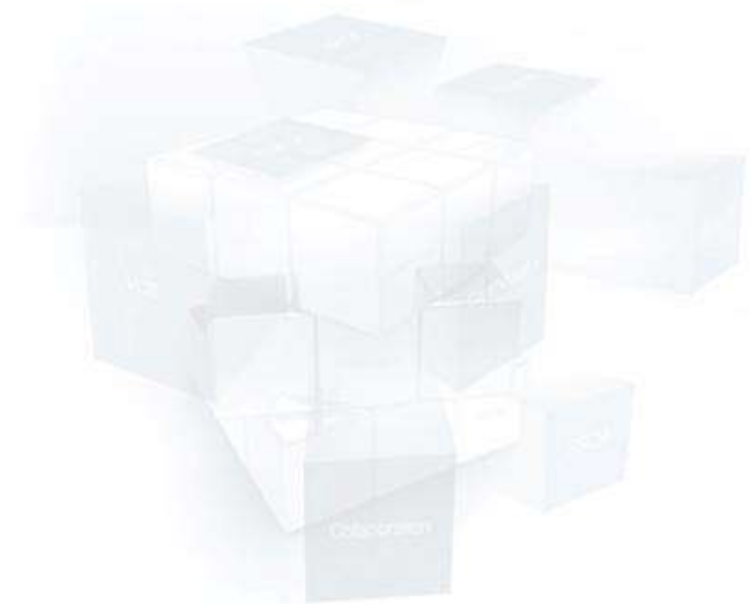
Change Apply Close

Others





WE VoIP Logo ACD Wallboard



❖ Company Logo Display for FMC

1. Upload the Company Logo Image file to SCM.
2. Configure the Logo File Upload Server.

The screenshot shows the SCM Administrator web interface. The left sidebar contains a tree view of the configuration menu. The main area displays the 'Logo File Upload Server' configuration page for the 'UG1' user group.

Configuration Menu (Left Sidebar):

- Service
 - Wireless Enterprise
 - Mobile Phone Profile
 - Mobile Service Options
 - Mobile Service Server
 - Log File Upload Server
 - Logo File Upload Server** (Step 2)
 - Photo File Upload Server
 - Directory Service Server
 - Presence Service Server
 - Location Service Server
 - Mobile Configuration
 - FMS Zone
 - Wifi Agent Configuration
 - APC List
 - Mobile Push Service
 - Application
 - Phone Setting
 - Phone Profile Information
 - Upgrade Software
 - File Upload** (Step 1)
 - Change Display

Main Configuration Area:

Logo File Upload Server | File Upload | Main Monitor

User Group: [UG1] [Search] [Clear] [Reset]

User Group	Name	Service Type	IP Address	Port	Protocol
UG1	LOGO_UG1	Internal Logo Serve...			HTTPS

1 / 1 (1) [Detail] [Create] [Change] [Delete] [Excel] [Detach] [Help] [Close]

Event Viewer:

Level	Type	Date/Time	Node Name	System Name	Description
-------	------	-----------	-----------	-------------	-------------

[Clear] [Detach] [Help] [Close]

System Viewer

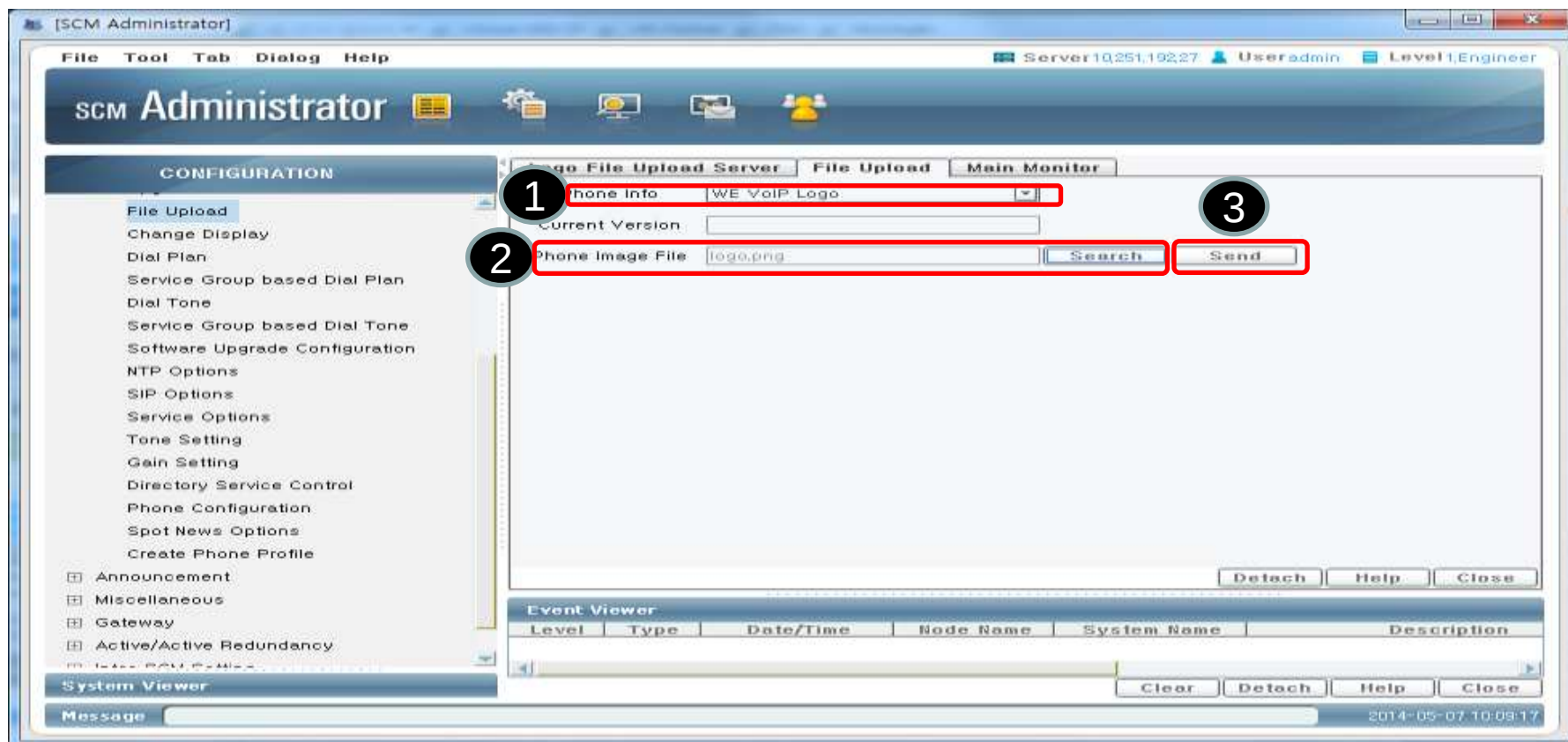
Message []

2014-05-07 09:55:23

❖ Company Logo Display for FMC

1. Upload the Company Logo Image File to SCM

- Move to [CONFIGURATION > Phone Setting > File Upload] Menu.
- Select 'WE VoIP Logo' as Phone Info
- Select Logo Image File in Local PC by 'Search' tap.
- Upload Logo Image File to SCM.



Company Logo Display for FMC

2. configure the Logo File Upload Server

Configure this server for Downloading Logo File to FMC.

[CONFIGURATION > Wireless Enterprise> Mobile Service Server > Logo File Upload Server]

Field	Value
User Group	UG1
Service Type	Internal Logo Server
Port	
Public IP Address	
Public Protocol	HTTPS
Logo File(Splash) Name	
Name	LOGO_UG1
IP Address	
Protocol	HTTPS
Public Port	443
Logo File Name	
Logo File(Background) Name	

Item	Description
User Group	User group to which the Logo File Server belongs
Name	Server name
Service Type	Internal: SCME is operated as Logo server. IP Addr and Port are inputted automatically. External: External Log server.
IP Address	IP Address of Logo Server
Port	Port of Logo Server
Protocol	Protocol of Logo Server
Public IP Address	Public IP Address of Logo Server
Public Port	Public Port of Logo Server
Public Protocol	Public Protocol of Logo Server
Logo File Name	Logo file Name (uploaded through [CONFIGURATION > Phone Setting > File Upload] Menu)
Logo File (Splash) Name	Logo File Name (Splash) (uploaded through [CONFIGURATION > Phone Setting > File Upload] Menu)
Logo File (Background) Name	Logo File Name (Background) (uploaded through [CONFIGURATION > Phone Setting > File Upload] Menu)

ACD Wallboard

1. [CONFIGURATION > Miscellaneous > Activation Key
- Assign 'Embedded Wall board' .

[SCM Administrator]

File Tool Tab Dialog Help Server 10.251.191.190 User admin Level 1, Engineer

SCM Administrator

CONFIGURATION

Activation Key Main Monitor

Search

Package Name	Activation Key	MAC Address	Status
Sample			Deactivated

[DIALOG] Activation Key - Detail

Package Name	190NONOV5	Activation Key	0amcOzGW6GEIZGfx000dmfM+MEDpPHMYZg==
MAC Address	000A5E3D7D2C	Status	OK
Active-Active(Master/Slave)	-	High Availability(Active/Standby)	-
Samsung SIP Phone	500 (charged, 20130701 ~ 20991231)	Samsung Soft Phone for Windows	500 (charged, 20130701 ~ 20991231)
Samsung FMC for Android	500 (charged, 20130701 ~ 20991231)	Samsung FMC for iPhone	500 (charged, 20130701 ~ 20991231)
Samsung PC Attendant	100 (charged, 20130701 ~ 20991231)	3rd-Party SIP Phone	100 (charged, 20130701 ~ 20991231)
Analog Phone(Gateway)	100 (charged, 20130701 ~ 20991231)	Meet-Me Conference Channel	128 (charged, 20130701 ~ 20991231)
VM Channel	128 (charged, 20130701 ~ 20991231)	SIP Application Channel	64 (charged, 20130701 ~ 20991231)
3rd-Party SIP Trunk Channel	100 (charged, 20130701 ~ 20991231)	Embedded ACD Agent	500 (charged, 20130701 ~ 20991231)
Communicator Console	100 (charged, 20130701 ~ 20991231)	Communicator with 3rd-Party Phone	100 (charged, 20130701 ~ 20991231)
CSTA Link	500 (charged, 20130701 ~ 20991231)	Embedded Wall Board	10 (charged, 20130701 ~ 20991231)
LDAP Client(Premium CID)	10 (charged, 20130701 ~ 20991231)	WiFi Agent	10 (charged, 20130701 ~ 20991231)

SNMP Config Internal Proxy Config

System Viewer

System: scme1
Status: Active Alone
Alarm: CRI (0) MAJ (0) MIN (0)

CPU Memory File

Event Viewer

Level	Type	Date/Time	Node Name	System Name	Description
-------	------	-----------	-----------	-------------	-------------

Clear Detach Help Close

Message 2014-05-02 00:28:06

ACD Wallboard

2. CONFIGURATION > Application> ACD > ACD WallBoard ID
- Assign 'ACD WallBoard ID'.

The screenshot displays the SCM Administrator web interface. The left sidebar shows the 'CONFIGURATION' menu with 'ACD' expanded, and 'ACD Wallboard ID' selected. The main panel is titled 'ACD Wallboard ID Main Monitor'. It features a 'User Group' dropdown set to 'UG1', a 'Node Name' dropdown, and buttons for 'Search', 'Clear', and 'Reset'. Below these is a table with three columns: 'User Group', 'ID', and 'Node Name'. The table contains three rows, all with 'UG1' in the 'User Group' column and 'NODE 0' in the 'Node Name' column. The 'ID' column values are 2000, 2001, and 2002. The bottom of the interface includes a 'System Viewer' section showing system status (SCME, Active Alone) and an 'Event Viewer' table with columns for Level, Type, Date/Time, Node Name, System Name, and Description. A message bar at the very bottom indicates '[Create] Completion' on 2014-05-02 at 12:17:36.

User Group	ID	Node Name
UG1	2000	NODE 0
UG1	2001	NODE 0
UG1	2002	NODE 0

ACD Wallboard

3. CONFIGURATION > Miscellaneous> System Options

- Assign 'ACD Daily Accumulation Start Hour' for Daily Accumulation Data.

The screenshot displays the SCM Administrator web interface. The top navigation bar includes 'File', 'Tool', 'Tab', 'Dialog', and 'Help'. The user is logged in as 'Useradmin' at 'Level1.Engineer'. The left sidebar shows a tree view of configuration options, with 'System Options' selected. The main content area is titled 'System Options' and contains a table of configuration parameters. The 'ACD Daily Accumulation Start Hour(0 ~23h)' parameter is highlighted with a red box, showing a value of 9. The bottom section of the interface includes a 'System Viewer' showing system status (SCME, Active Alone) and an 'Event Viewer' table.

Name	Value	Node Name
ACD Daily Accumulation Start Hour(0 ~23h)	9	NODE 0
Admin Login Password Level	Level1	NODE 0
Announcement Starting Time Gap (milli-second)	0	NODE 0
COMMON Endpoint Reg Expire Deviation Interval (second)	10	NODE 0
COMMON Endpoint Reg Maximum Expire (second)	3600	NODE 0
COMMON Endpoint Reg Minimum Expire (second)	30	NODE 0
CSTA Base Port	6000	NODE 0
Call Back Busy FXS Service Delay(second)	4	NODE 0
Call Log Backup Interval (hour)	6	NODE 0
Call Log Backup Lifetime (day)	30	NODE 0
Call Log Backup Used	ENABLE	NODE 0
Call Log Create Interval (minute)	10	NODE 0
Call Log Used	ENABLE	NODE 0
Call Minimum Session Expire Timer (second)	90	NODE 0
Call Monitoring Interworking Level	DISABLE	NODE 0
Call Monitoring Server IP Address	none	NODE 0



Thank you