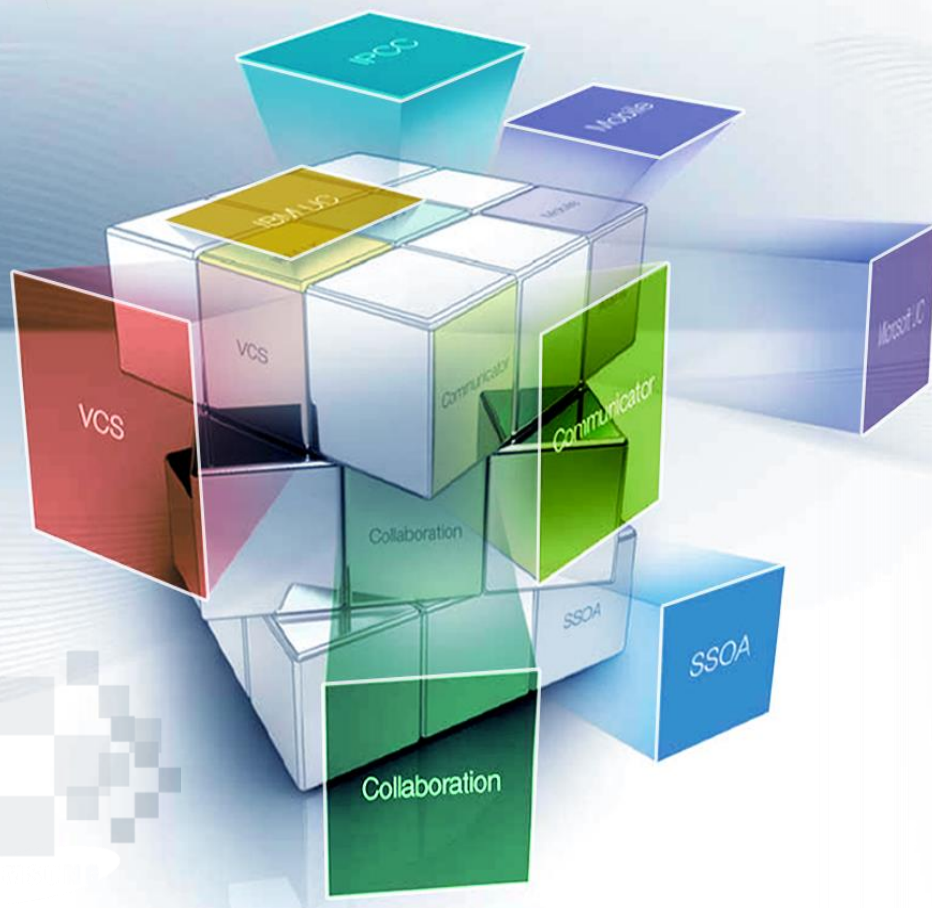


SCM Express V5.4.4 Configuration Guide



History

Version	Date	Changes
1.0	2016.04	Initial version for V5.4.4.x





Contents

- | Service Group MCN
- | New Configuration Options for WE VoIP

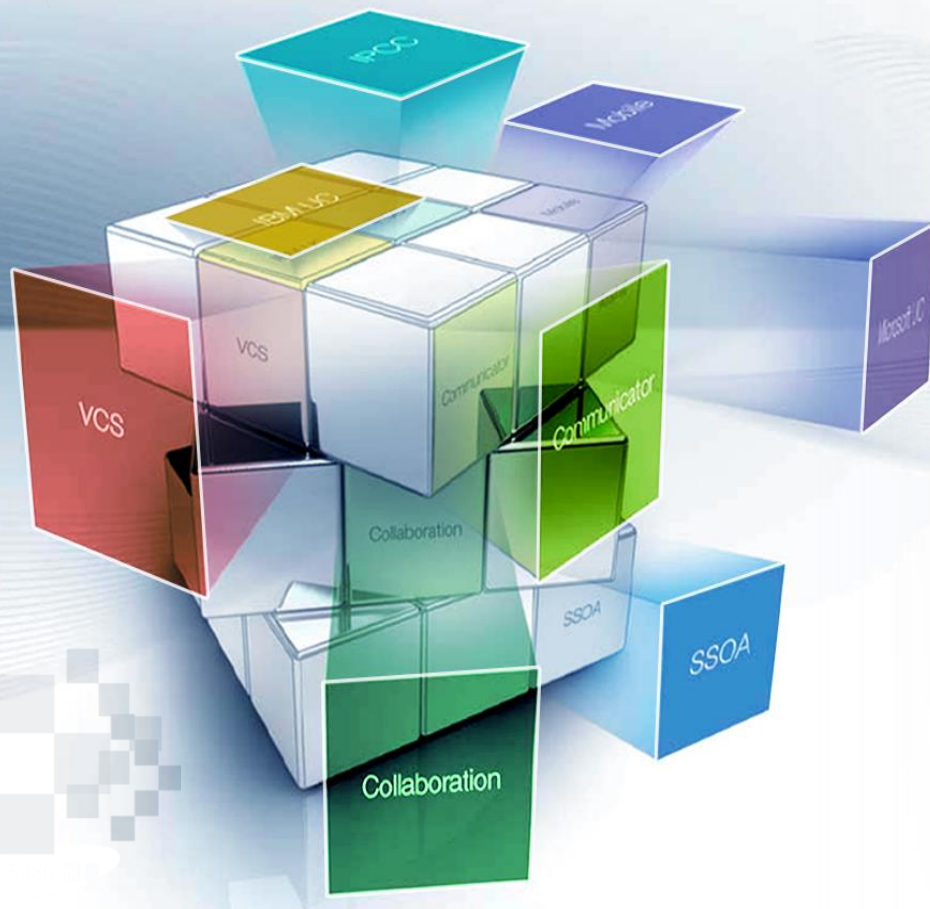


❖ V5.4.4.x Cautions

< Installation Cautions! >

- From V5.4.4.x release, OS (Operating System) is changed to CentOS 6. (Previous SCM versions supports CentOS 5)
- This version **MUST** be installed on S500-II or S700 server. (When installing on S500, main memory must be 8GB)

Service Group MCN



❖ Conf 1) Service Group MCN

SCM provides number translation service for the called number when a user makes a call. The called number can be modified differently per the serviced group that the caller belongs to.

Service Group MCN can be created in the **[CONFIGURATION > User Group > Service Group MCN]** menu.

SCM Administrator

File Tool Tab Dialog Help Server10.251.192.15 Userroot Level1,Engineer

CONFIGURATION

- Location
- User Group
 - Create User Group
 - Change User Group
 - Delete User Group
 - Service Group
 - Service Group MCN**
 - Department
 - Position
 - User Profile Field Name
 - Presence Field Name
 - Notice Board Category
 - User
 - Trunk Routing
 - Time Schedule
 - Service
 - Wireless Enterprise

Service Group MCN Main Monitor

User Group: Name:

Search Clear Reset

User Group	Name	Number Type	Find Digits	Modified Digits
UG1	11111	Called Number	11	11
UG1	SG1-211-#2	Called Number	#2XXX	2542XXX
UG1	SG1-211-#3	Called Number	#3	2542XXX

[DIALOG]Service Group MCN - Create

User Group: Name:

Number Type: Find Digits:

Modified Digits:

Create Apply Close

1 / 1 (7) Detail Create Change Delete Excel Detach Help Close

System Viewer

System: [MINE] OS6-SCM-11
Status: [MASTER] Active Alone
Alarm: CRI (0) MAJ (1) MIN (0)

CPU Memory File

Event Viewer

Level	Type	Date/Time	Node Name	System Name	Description
Major	ALARM	2016-04-06 12:43:05	NODE 0	OS6-SCM-11	Route[Isk_pc] Register Expired
Major	ALARM	2016-03-30 19:58:43	NODE 0	IPX-G500-SK	[GWU] Power 1 Alarm
Minor	ALARM	2016-03-17 10:52:02	NODE 1	os6-scm-10	HDD DISK Usage : TOTAL145013 KB1 USED1...

Clear Detach Help Close

Message [Delete] Completion [2016-04-15 11:38:01] 2016-04-15 11:38:07

❖ Conf 2) Service Group MCN

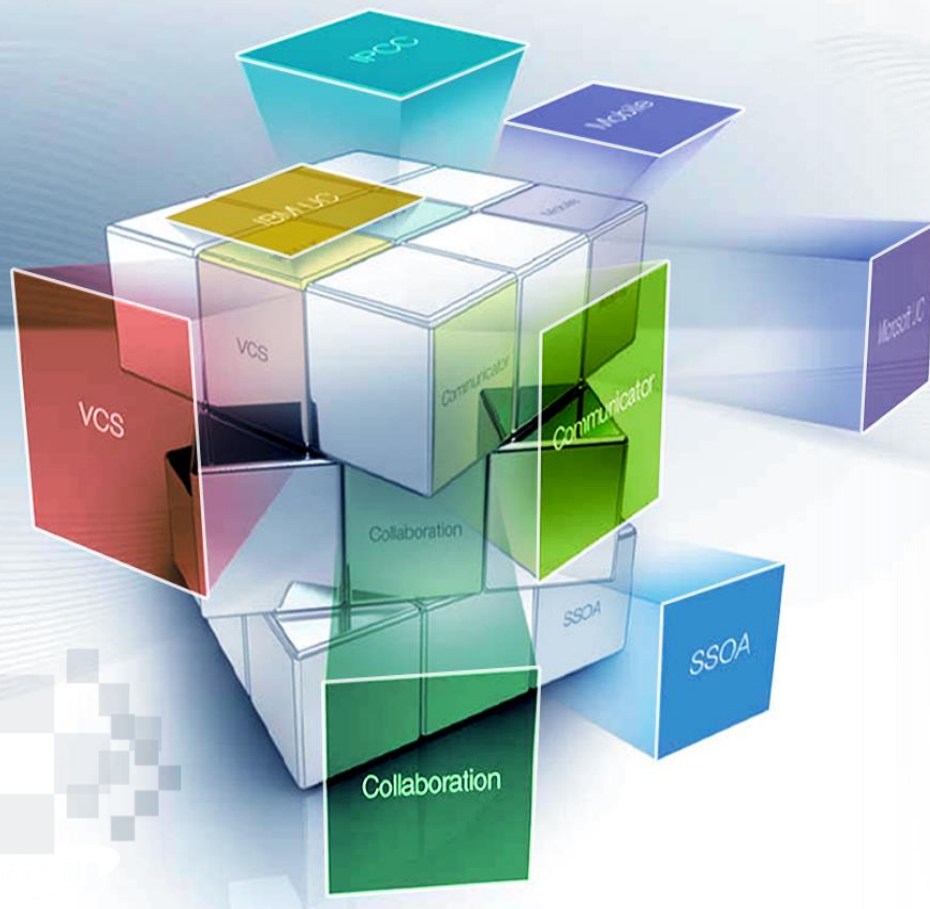
Service Group MCN can be assigned per service group in the **[CONFIGURATION > User Group > Service Group]** menu.

The screenshot shows the SCM Administrator interface with the following components:

- Top Bar:** SCM Administrator, Server: 1Q251,192,15, User: root, Level: 1, Engineer.
- Navigation Tabs:** PERFORMANCE, CONFIGURATION, MANAGEMENT, VM/AA, CONFERENCE.
- Left Sidebar:** CONFIGURATION > User Group > Service Group.
- Main Content Area:**
 - Service Group MCN Tab:** Displays a table of service groups.

User Group	Name	Service Group C...	CLI Number	Class of Service	Restriction Policy
UG2	UG2-SG1				
UG1	UG1-SG1				
- [DIALOG]Service Group - Change:**
 - User Group:** UG1
 - Service Group Code:** 211
 - Class of Service:** [Dropdown]
 - Dial Tone:** [Dropdown]
 - Application Server Service Group:** UG1-APPGRP1
 - Call Recording Method:** Phone Recording
 - CFUR Service Schedule:** [Dropdown]
 - Phone Recording Start Time:** Ringing
 - Service Group MCN:**
 - Selected: [Dropdown]
 - SG1-211-#2 (highlighted in red box)
 - SG1-211-#6
 - Name:** UG1-SG101
 - CLI Number:** [Dropdown]
 - Restriction Policy:** [Dropdown]
 - Dial Plan:** [Dropdown]
 - Node1 App Server Service Group:** [Dropdown]
 - Auto Attendant Ring Plan Schedule:** [Dropdown]
 - Send Extension Number Usage:** With Service Group Code

New Configuration Options for WE VoIP



Conf 1) Audio Volume

- WE VoIP's Audio Volume for particular model can be configured.
- Audio Volume can be configured in the [CONFIGURATION > Wireless Enterprise > Mobile Configuration > Audio Volume] Menu.

The screenshot shows the SCM Administrator web interface. The left sidebar contains a tree view under 'CONFIGURATION' with the following items: User Group, User, Trunk Routing, Time Schedule, Service, Wireless Enterprise (expanded), Mobile Phone Profile, Mobile Service Options, Mobile Service Server, Mobile Configuration (expanded), Roaming Parameter, Codec Priority, Codec Config, Miscellaneous Mobile Config, Site Profile Config, **Audio Volume** (highlighted with a red box), and Handover Parameter. The main content area shows the 'Audio Volume' configuration page with a 'Main Monitor' tab. It includes a search bar for 'Model Name' and a table of audio volume settings for the SHV-E300L model.

Model Name	Handset	Speaker	Earset	Bluetooth
SHV-E300L	Very Lower	Very Lower	Very Higher	Very Higher

A dialog box titled '[DIALOG]Audio Volume - Change' is open, showing configuration options for the SHV-E300L model:

- Model Name: SHV-E300L
- Handset: Very Lower
- Speaker: Very Lower
- Earset: Very Higher
- Bluetooth: Very Higher

Buttons at the bottom of the dialog include 'Change', 'Apply', and 'Close'. The bottom of the main interface shows a 'System Viewer' section with system information (OS6-SCM-08, Status: Active Alone, Alarm: CRI (0) MAJ (0) MIN (0)) and an 'Event Viewer' table.

❖ Conf 2) RTP packet Option

- RTP packet option can be configured in the [CONFIGURATION > Wireless Enterprise > Mobile Phone Profile] Menu.
- RTP Packet interval(ms) – Private/WiFi/mVoIP : RTP packet interval during conversation.
- RTP Data Reduction Function : whether to use 'RTP Data reduction function'
- RTP Silence Check Count : Enter RTP Check count option. (this option is used when 'RTP Data Reduction Function' is on.
- When the above option is configured as 'Same as System', WE VoIP is configured by the same option in the [CONFIGURATION > Wireless Enterprise > Mobile Configuration > Codec Config] Menu.

The screenshot shows the 'Mobile Phone Profile - Change' dialog box in the SCM Administrator. The dialog is divided into two main sections: 'Left Column' and 'Right Column'. The 'Left Column' contains settings for 'Noise Suppression TX', 'Echo Suppression', 'Enable Swing Free TX', 'Media Start Port', 'Multiframe Enable', 'TOS Media Value(DSCP)', 'JBC Threshold', 'SIP Rx Public Port', 'Node1 SIP Rx Public Port', 'TLS Connection - Public Network', 'Expire Time(sec) - Public Network', 'SIP Registration - mVoIP', 'Directory Service - Wi-Fi Hotspot', 'Presence Service - Private(Office)', 'Presence Service - mVoIP', 'Location Service - Wi-Fi Hotspot', 'Update Location - Min Distance(m)', 'Update Location - Forced Period(hour)', 'Update Location - End Time', 'Voice Quality Report - Wi-Fi Hotspot', 'Voice Quality Report - MOS', 'Notice Board Service - Wi-Fi Hotspot', 'Broad Message - Private(Office)', 'Broad Message - mVoIP', 'Handover RTP Check Count', 'RTP Packet Interval(ms) - Wi-Fi Hotspot', and 'RTP Data Reduction Function'. The 'Right Column' contains settings for 'AECM', 'Enable Swing Free RX', 'Enable CNG', 'Media End Port', 'Multicast Enable', 'TOS Control Value(DSCP)', 'SIP Rx Port', 'Node1 SIP Rx Port', 'Protocol - Public Network', 'Expire Time(sec) - Private Network', 'SIP Registration - Wi-Fi Hotspot', 'Directory Service - Private(Office)', 'Directory Service - mVoIP', 'Presence Service - Wi-Fi Hotspot', 'Location Service - Private(Office)', 'Location Service - mVoIP', 'Update Location - Min Period(min)', 'Update Location - Start Time', 'Voice Quality Report - Private Network', 'Voice Quality Report - mVoIP', 'Notice Board Service - Private(Office)', 'Notice Board Service - mVoIP', 'Broad Message - Wi-Fi Hotspot', 'Handover RTP Check Count', 'RTP Packet Interval(ms) - Private', 'RTP Packet Interval(ms) - mVoIP', and 'RTP Silence Check Count'. The 'RTP Packet Interval(ms) - Private' and 'RTP Packet Interval(ms) - mVoIP' options are highlighted with red boxes. The 'RTP Data Reduction Function' option is also highlighted with a red box.

❖ Conf 3) Handover Parameter

- UDP port is added for We VoIP Handover. (used for checking the network environment between FMC and SCM Express)
UDP port : 9090
- Handover parameter option can be configured in the [CONFIGURATION > Wireless Enterprise > Mobile Configuration > Handover Parameter] Menu. (at the moment, parameter 1 is only used for check duration of UDP packet)

The screenshot displays the SCM Administrator web interface. The left sidebar shows the navigation menu with 'Handover Parameter' highlighted under the 'Mobile Configuration' section. The main content area shows the 'Handover Parameter' configuration page, which includes a table with 5 parameters and a 'Change' dialog box with 10 parameters.

Handover Parameter Configuration Table:

Parameter 1	Parameter 2	Parameter 3	Parameter 4	Parameter 5

[DIALOG] Handover Parameter - Change

Parameter 1		Parameter 2	
Parameter 3		Parameter 4	
Parameter 5		Parameter 6	
Parameter 7		Parameter 8	
Parameter 9		Parameter 10	

Buttons: Change, Apply, Close

System Viewer:

System: OS6-SCM-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

Buttons: Clear, Detach, Help, Close

Message: 2016-04-18 11:23:40



Thank you