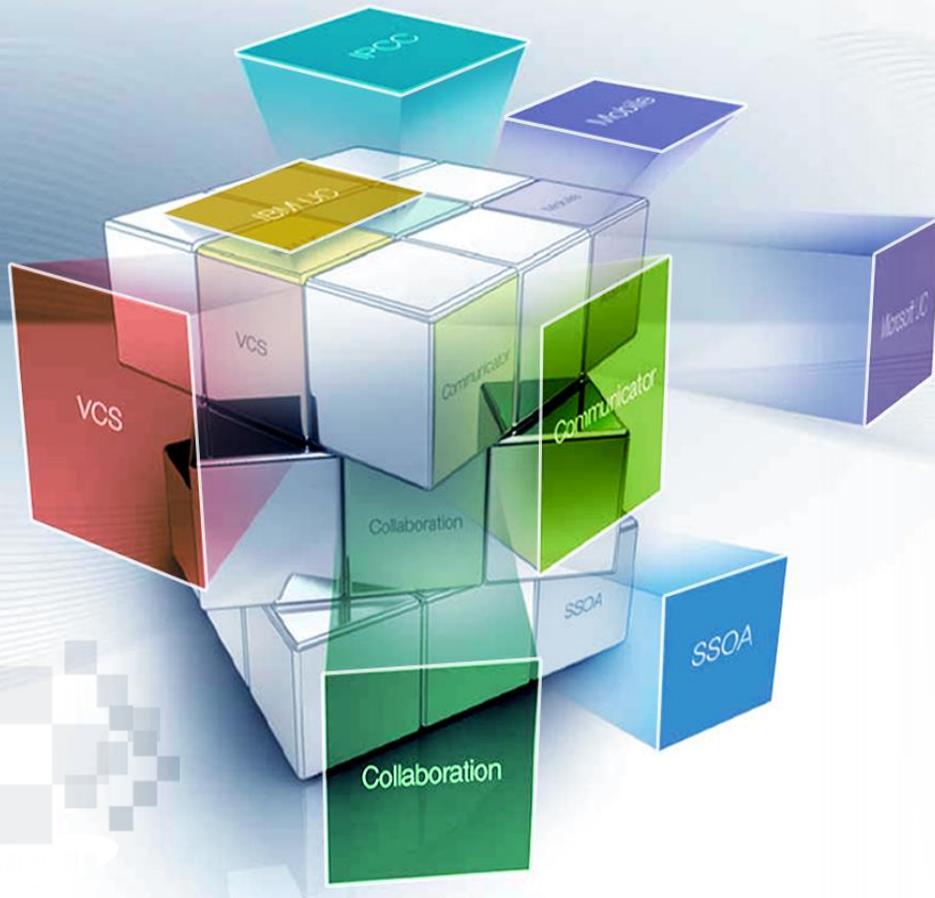


SCM Express V6.1.0 Configuration Guide



History

Version	Date	Changes
1.0	2016.12	Initial version for V6.1.0.x





Contents

- | Account Number Modification of Trunk Route
- | User Name Display of Other Service group
- | FMC Login ID/Password
- | Dispatch Call Override
- | Short Message Service by peering
- | Busy Override though Second COS
- | Multi-Extension Phone Bridge
- | Analog Trunk Port Check and Release Feature
- | Call Waiting Transfer of PC Attendant (Korea only)
- | SIP ACL White List
- | Mobile SIP ACL Policy
- | Display Other User Group for Directory Service
- | Improved PROXYB for TLS Load balancing



❖ V6.1.0.x Cautions

< Upgrade Cautions! >

- After upgrading to V6.1.0.x, the SSH and SFTP connection failure error can happen in PC which is storing old SCME's SSH and SFTP connection information (cache file).
 - ✓ Solution: Delete old SCME's SSH and SFTP connection information (cache file) in PC.
- In V6.1.0, MOH IDs 1120 ~ 1129 are deleted and no longer available. If these MOH IDs are used in the current running version, change those MOH IDs to other IDs before upgrade. (Refer to the release note “MOH ID 1120~1129 are deleted” for details.)
- In V6.1.0, when creating a new FMC user (i.e. its Phone Type is Samsung-Mobile-Phone), “Push Notification” is set to “Enable” as a default. The existing user’s “Push Notification” is not changed after upgrading.
 - ✓ In case push is used, interworking with push server is required.
 - ✓ In case push is not used, change “Push Notification” to “Disable”.
(From the Android V6.0, periodic registration (REGISTER message) with short period can be blocked by Smart Manager and Doze Mode. This prevent a call from reaching to that FMC.)

Account number modification of trunk route

- The CDR representative number for trunk route is set to 'CDR Representation Number' in the [CONFIGURATION > Trunk Routing > Route] menu.

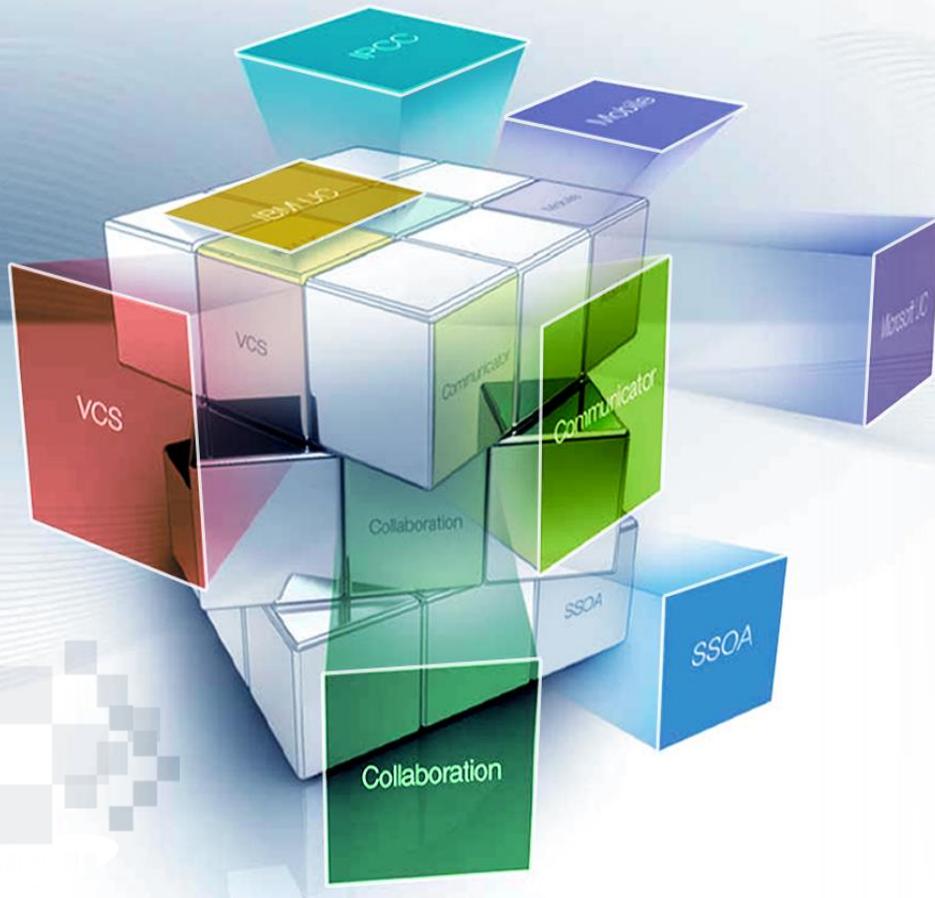
The screenshot shows the 'Interworking' tab of the 'Route - Detail' configuration window. The 'CDR Representation Number' field is highlighted with a red underline. Other fields include DTS Mode (Disable), Gateway Channel Display (Disable), Outbound Proxy Server Type (Normal), Statistics Mode (None), Length of Bill Delete (0), Option Port Update (Enable), Send Paging On Answer Info (Disable), Outbound Proxy Server, FMS Mode (Disable), Route Type Code, Local Domain, Transfer INVITE Direction (Extension First), and CDR Number Translation (Enable).

- To use the account number modification for the trunk route, you can set 'CDR Number Translation' in the [CONFIGURATION > Trunk Routing > Route] menu as Enable, and you create the conversion list in the [CONFIGURATION > Trunk Routing > CDR Number Translation] menu.

The top screenshot shows the 'Number Translation' tab of the 'Route - Detail' configuration window. The 'CDR Number Translation' field is highlighted with a red underline. The bottom screenshot shows the 'CDR Number Translation - Create' window with fields for 'User Group', 'Billed Number', and 'Calling Number', and buttons for 'Create', 'Apply', and 'Close'.

※ If you set 'CDR Number Translation' to Enable, 'CDR Representation Number' item is processed with deactivation and you cannot input a value.

User Name Display of Other Service Group



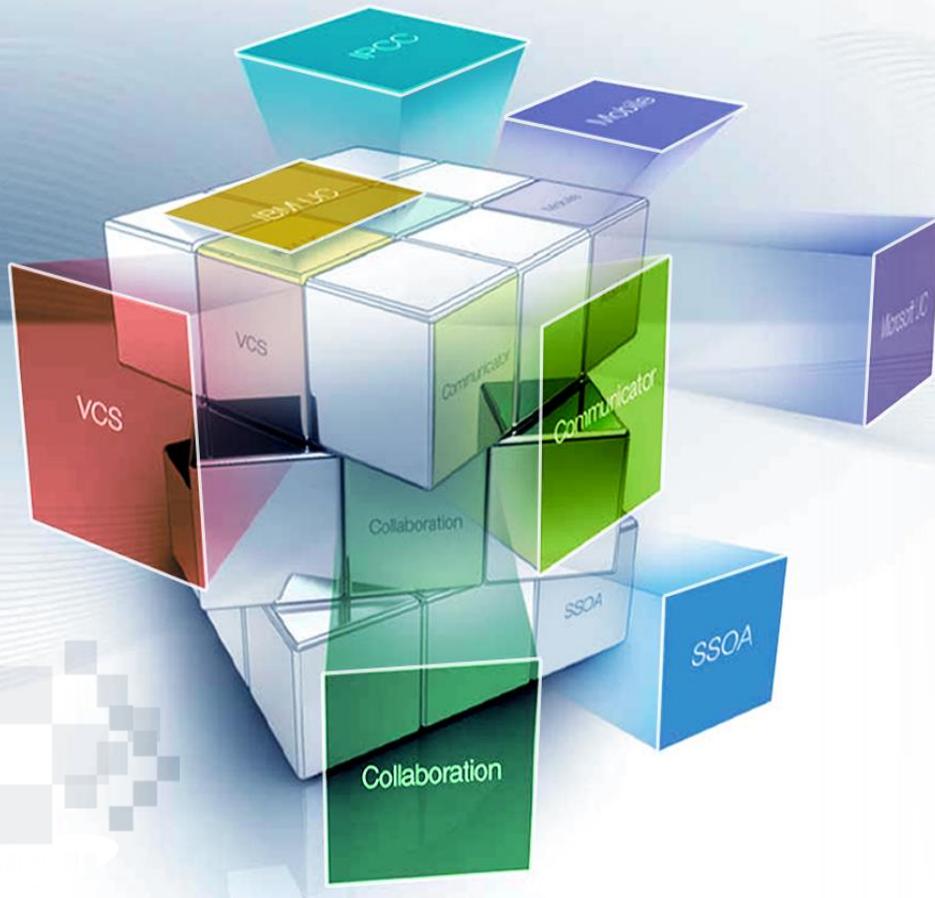
❖ User Name Display of Other Service group

- The opponent name and phone number is displayed if the service group is the same.
- When a user makes a call to the users in a different service group, name display of opposite user is determined to the 'Name Display of Other Service Group' in the **[CONFIGURATION > User Group > Service Group]** menu. If it is 'Enable', the extension number and name is displayed. If it is 'Disable', the extension number is displayed.

[DIALOG]Service Group - Change

User Group	UG1	Name	SAMSUNG
Service Group Code		CLI Number	
Class of Service		Restriction Policy	
Dial Tone		Dial Plan	
Application Server Service Group		Node1 App Server Service Group	
Call Recording Method	Phone Recording	Auto Attendant Ring Plan Schedule	
CFUR Service Schedule		Send Extension Number Usage	With Service Group Code
Phone Recording Start Time	Ringin	Name Display of Other Service Group	Disable

FMC Login ID/Password



Conf 1) FMC Login ID/Password

If the 'Use fixed FMC Login ID/PW' option value is 'DISABLE' in [CONFIGURATION > Miscellaneous > System Options] Menu, user need to input the profile login ID and profile login password in [CONFIGURATION > Single Phone User > Basic Configuration] Menu when user login the FMC App.

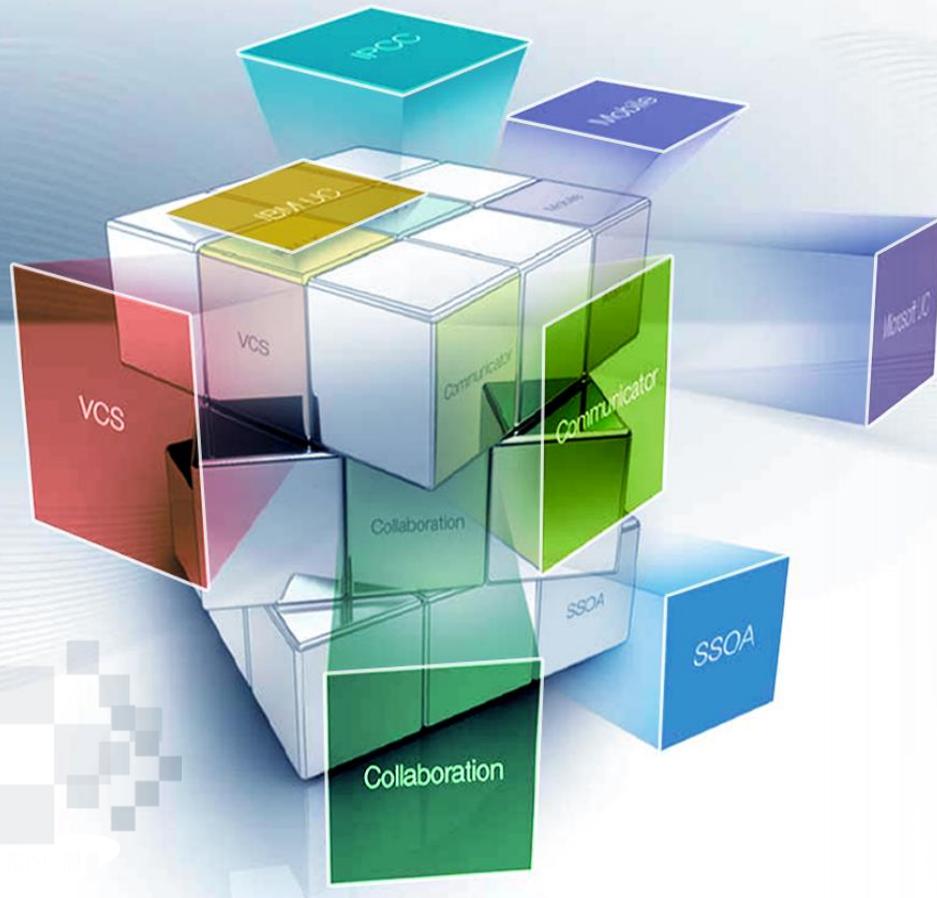
The screenshot shows the SCM Administrator web interface. The 'System Options' page is displayed for 'NODE 0'. The 'Use fixed FMC login ID/PW' option is highlighted in red and set to 'DISABLE'. The 'System Options' menu item in the left sidebar is also highlighted in red.

Name	Value	Node Name
SNMP Site Code	1	NODE 0
Statistic DB Keep Up Lifetime (day)	30	NODE 0
Switch Over by CPU Overload	DISABLE	NODE 0
System Loop Back Test	DISABLE	NODE 0
System Private IP Address For Call	none	NODE 0
System Private IP Address For Mobile Phone Call	none	NODE 0
System Public HTTP Port For Phone Provision	80	NODE 0
System Public HTTPS Port For Phone Provision	443	NODE 0
System Public IP Address For Call	none	NODE 0
System Public IP Address For Phone Provision	none	NODE 0
System SPAM Call Expire Timer (second)	10	NODE 0
System Under NAT	DISABLE	NODE 0
Unsolicited Notify	ENABLE	NODE 0
Use fixed FMC login ID/PW	DISABLE	NODE 0
XML Server Data Synchronization Hour (0 = 23 hour)	03	NODE 0
XML Server Prefix Number	none	NODE 0

Event Viewer

Level	Type	Date/Time	Node Name	System Name	Description	Category	ID	Ir
Normal	ALARM	2016-12-07 18:04:17	NODE 1	OS6-SCM-05	ALARM CANCELED BY OPERATOR	Communication	A/A Link Down	

Dispatch Call Override



Dispatch Call Override

- [CONFIGURATION > Service > Dispatch Call > Dispatch Call Group] Enable 'Normal Call Override'
- [CONFIGURATION > Service > Feature Service > Class of Service] Disable 'DND of Dispatch Call Override'

[DIALOG]Dispatch Call Group - Create

User Group: UG1
 Group Number: 9999
 User Profile Field2: Cellphone Number

Group Name: Dispatch Group
 User Profile Field1: Office Phone Number
 Normal Call Override: **Enable**

Dispatch Call Member

[Selected]
 UG1 / /3000
 UG1 / /3001
 UG1 / /3002

[All]
 UG1 / /1114
 UG1 / /3003
 UG1 / /3004
 UG1 / /3005
 UG1 / /3006
 UG1 / /3007
 UG1 / /3008
 UG1 / /3009
 UG1 / /ATCG_3114
 UG1 / /STNG_0114

Search: _____

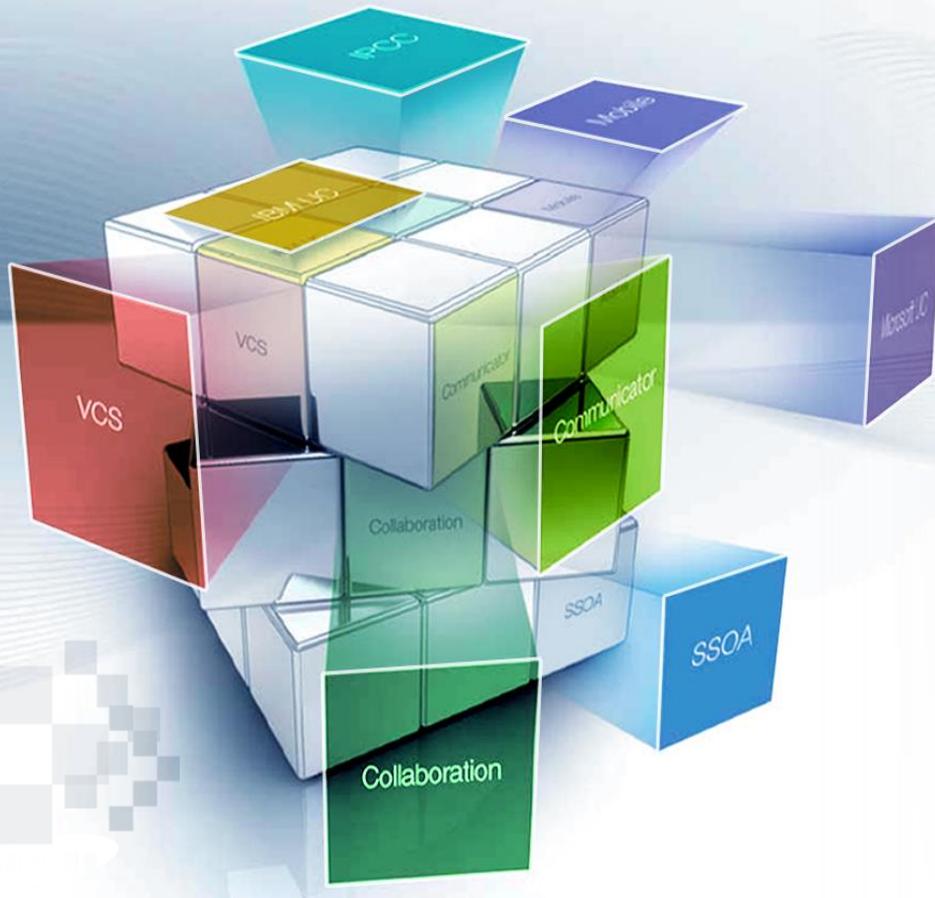
Create Apply Close

Service Permission

<input checked="" type="checkbox"/> AME	<input checked="" type="checkbox"/> Absence	<input checked="" type="checkbox"/> Add-On Conference	<input checked="" type="checkbox"/> Auto Answer
<input checked="" type="checkbox"/> Auto Record	<input checked="" type="checkbox"/> Auto Retry	<input checked="" type="checkbox"/> BLF Key Create	<input checked="" type="checkbox"/> Barge-In with Tone
<input checked="" type="checkbox"/> Barge-In without Tone	<input checked="" type="checkbox"/> Busy Override	<input checked="" type="checkbox"/> Call Bridge	<input checked="" type="checkbox"/> Call Forward All
<input checked="" type="checkbox"/> Call Forward Busy	<input checked="" type="checkbox"/> Call Forward No Answer	<input checked="" type="checkbox"/> Call Forward Unreachable	<input checked="" type="checkbox"/> Call Logging
<input checked="" type="checkbox"/> Call Move Service	<input checked="" type="checkbox"/> Call Park Extension	<input checked="" type="checkbox"/> Call Park Orbit	<input checked="" type="checkbox"/> Call Recording
<input checked="" type="checkbox"/> Call Transfer	<input checked="" type="checkbox"/> Call Waiting	<input checked="" type="checkbox"/> Callback	<input checked="" type="checkbox"/> Caller ID Block
<input checked="" type="checkbox"/> Caller ID Display	<input checked="" type="checkbox"/> Change User Name	<input checked="" type="checkbox"/> Conference Member Eject	<input checked="" type="checkbox"/> DND
<input checked="" type="checkbox"/> DND Override	<input type="checkbox"/> DND of Dispatch Call Override	<input checked="" type="checkbox"/> Deny International Call Forward/Trans...	<input checked="" type="checkbox"/> Different Group Call Forward
<input checked="" type="checkbox"/> Direct Trunk Selection	<input checked="" type="checkbox"/> Dispatch Call	<input checked="" type="checkbox"/> Follow Me	<input checked="" type="checkbox"/> Group Call Forward
<input checked="" type="checkbox"/> Hot Desking	<input checked="" type="checkbox"/> Hot Line	<input type="checkbox"/> Hotel Inter-Room Call Lock	<input checked="" type="checkbox"/> Hotspot Push Service
<input checked="" type="checkbox"/> Individual Speed Dial Insert/Delete	<input checked="" type="checkbox"/> Internal Wi-Fi Push Service	<input checked="" type="checkbox"/> Malicious Call Trace	<input checked="" type="checkbox"/> Meet-me Conference
<input checked="" type="checkbox"/> Mobile Auto Answer	<input checked="" type="checkbox"/> Move To Mobile	<input checked="" type="checkbox"/> Move to WE VoIP First (Move Key)	<input checked="" type="checkbox"/> Multi-Device Conference
<input checked="" type="checkbox"/> Multi-ring	<input checked="" type="checkbox"/> Music on Hold	<input checked="" type="checkbox"/> Mucast Paging	<input checked="" type="checkbox"/> No Ring
<input type="checkbox"/> No Ring Override	<input checked="" type="checkbox"/> No Use Transferee Restriction Policy	<input checked="" type="checkbox"/> One-Step Conference	<input checked="" type="checkbox"/> Operator Call
<input checked="" type="checkbox"/> Outbound Call Lock	<input checked="" type="checkbox"/> Paging On Answer	<input checked="" type="checkbox"/> Pairing Service for Any Mobile	<input checked="" type="checkbox"/> Premium CID Service
<input checked="" type="checkbox"/> Preset Call Forward All	<input checked="" type="checkbox"/> Preset Call Forward Busy	<input checked="" type="checkbox"/> Preset Call Forward DND	<input checked="" type="checkbox"/> Preset Call Forward No Answer
<input checked="" type="checkbox"/> Preset Call Forward Unreachable	<input checked="" type="checkbox"/> Receiving Call in Hot Spot Zone	<input checked="" type="checkbox"/> Receiving Call in mVoIP Zone	<input type="checkbox"/> Remote Extension Set
<input checked="" type="checkbox"/> Remote Office	<input type="checkbox"/> Restricted Call Forward	<input checked="" type="checkbox"/> Ring Plan Override	<input checked="" type="checkbox"/> Speed Class of Service

Change Apply Close

Short Message Service by peering



Inter SCM Peering configuration

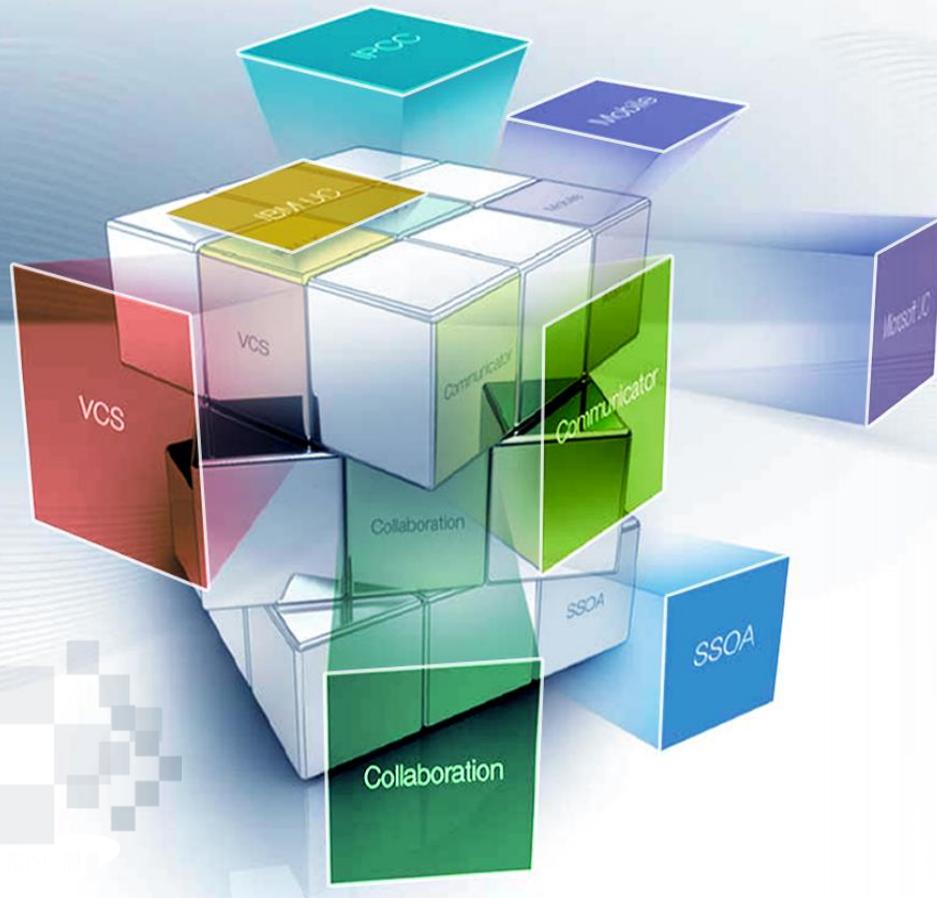
If SCMs are connected by peering configuration, SMS can be sent using access code. Followings are normal configuration of peering.

The screenshot displays the SCM Administrator web interface. The main menu includes PERFORMANCE, CONFIGURATION, MANAGEMENT, VM/AA, and CONFERENCE. The CONFIGURATION section is active, showing a list of routes. A dialog box titled "[DIALOG] Route - Create" is open, showing the configuration for a route named "SMS_Test".

The configuration is divided into several tabs: Basic Configuration, SIP Registration, Additional SIP, Trunk Service, Interworking, and Number Translation. The "Basic Configuration" tab is selected, showing the following fields:

Field	Value
Route Type	User Group
Route Name	SMS_Test
Register Type	None
User Name	testsms
Multiple Registration	Disable
Proxy Server	10,251,191,107
Authentication User Name	
DNS	
A-A Primary Node	NODE 0
TIE Trunk	Normal
User Group	UG1
Location	UG1-LOC1
Port	5060
Domain Name	testsms.com
User Number Range	
Secondary Proxy Server	
Authentication Password	
DNS2	
A-A Dual Registration	Enable
Access Code	701

Busy Override though Second COS



Conf 1) Busy Override (Second COS)

SCM will do their best to make a trunk call although all trunk lines are busy if the user dials the 'busy override (second class of service)' feature code and 'outgoing call number'.

The Busy Override should be set in the [CONFIGURATON > Service > Feature Service > Class of Service] menu.

The screenshot displays the 'SCM Administrator' interface with the 'Class of Service - Change' dialog box open. The dialog box is titled '[DIALOG]Class of Service - Change' and contains the following fields and options:

- User Group:** UG1
- Override Level:** Level 4
- Call Limitation Level:** Level 0
- Leaving Office Class of Service:** [Empty]
- Call Forward Restriction Policy:** [Empty]
- mVoIP Restriction Policy:** [Empty]
- IP Zone B Restriction Policy:** [Empty]
- Outside Work Restriction Policy:** [Empty]
- Name:** high override
- Privacy Level:** Level 5
- Second Class of Service:** [Empty]
- Restriction Policy:** [Empty]
- Hot Spot Restriction Policy:** [Empty]
- IP Zone A Restriction Policy:** [Empty]
- Call Transfer Restriction Policy:** [Empty]
- Smart Handover Type:** None

The **Service Permission** section contains a grid of checkboxes:

<input checked="" type="checkbox"/> AME	<input checked="" type="checkbox"/> Absence	<input checked="" type="checkbox"/> Add-On Conference	<input checked="" type="checkbox"/> Auto Answer
<input checked="" type="checkbox"/> Auto Record	<input checked="" type="checkbox"/> Auto Retry	<input checked="" type="checkbox"/> BLF Key Create	<input checked="" type="checkbox"/> Barge-In with Tone
<input checked="" type="checkbox"/> Barge-In without Tone	<input checked="" type="checkbox"/> Busy Override	<input checked="" type="checkbox"/> Call Bridge	<input checked="" type="checkbox"/> Call Forward All
<input checked="" type="checkbox"/> Call Forward Busy	<input checked="" type="checkbox"/> Call Forward No Answer	<input checked="" type="checkbox"/> Call Forward Unreachable	<input checked="" type="checkbox"/> Call Logging
<input checked="" type="checkbox"/> Call Move Service	<input checked="" type="checkbox"/> Call Park Extension	<input checked="" type="checkbox"/> Call Park Orbit	<input checked="" type="checkbox"/> Call Recording
<input checked="" type="checkbox"/> Call Transfer	<input checked="" type="checkbox"/> Call Waiting	<input checked="" type="checkbox"/> Callback	<input checked="" type="checkbox"/> Caller ID Block
<input checked="" type="checkbox"/> Caller ID Display	<input checked="" type="checkbox"/> Change User Name	<input checked="" type="checkbox"/> Conference Member Eject	<input checked="" type="checkbox"/> DND
<input type="checkbox"/> DND Override	<input checked="" type="checkbox"/> Deny International Call Forward/Tran...	<input checked="" type="checkbox"/> Different Group Call Forward	<input checked="" type="checkbox"/> Direct Trunk Selection
<input checked="" type="checkbox"/> Dispatch Call	<input checked="" type="checkbox"/> Follow Me	<input checked="" type="checkbox"/> Group Call Forward	<input checked="" type="checkbox"/> Hot Desking
<input checked="" type="checkbox"/> Hot Line	<input type="checkbox"/> Hotel Inter-Room Call Lock	<input checked="" type="checkbox"/> Hotspot Push Service	<input checked="" type="checkbox"/> Individual Speed Dial Insert/Delete
<input checked="" type="checkbox"/> Internal Wi-Fi Push Service	<input checked="" type="checkbox"/> Malicious Call Trace	<input checked="" type="checkbox"/> Meet-me Conference	<input checked="" type="checkbox"/> Mobile Auto Answer
<input checked="" type="checkbox"/> Move To Mobile	<input checked="" type="checkbox"/> Move to WE VoIP First (Move Key)	<input checked="" type="checkbox"/> Multi-Device Conference	<input checked="" type="checkbox"/> Multi-ring
<input checked="" type="checkbox"/> Music on Hold	<input checked="" type="checkbox"/> Multicast Paging	<input checked="" type="checkbox"/> No Ring	<input type="checkbox"/> No Ring Override
<input checked="" type="checkbox"/> No Use Transferee Restriction Policy	<input checked="" type="checkbox"/> One-Step Conference	<input checked="" type="checkbox"/> Operator Call	<input checked="" type="checkbox"/> Outbound Call Lock
<input checked="" type="checkbox"/> Paging On Answer	<input checked="" type="checkbox"/> Pairing Service for Any Mobile	<input checked="" type="checkbox"/> Premium CID Service	<input checked="" type="checkbox"/> Preset Call Forward All
<input checked="" type="checkbox"/> Preset Call Forward Busy	<input checked="" type="checkbox"/> Preset Call Forward DND	<input checked="" type="checkbox"/> Preset Call Forward No Answer	<input checked="" type="checkbox"/> Preset Call Forward Unreachable
<input checked="" type="checkbox"/> Receiving Call in Hot Spot Zone	<input checked="" type="checkbox"/> Receiving Call in mVoIP Zone	<input type="checkbox"/> Remote Extension Set	<input checked="" type="checkbox"/> Remote Office
<input type="checkbox"/> Restricted Call Forward	<input checked="" type="checkbox"/> Ring Back Override	<input type="checkbox"/> Second Class of Service	<input checked="" type="checkbox"/> Service After Speed Dialing

Buttons at the bottom: Change, Apply, Close.

System Viewer information: System: [MINE] os6-scm-15, Status: [MASTER] Active Alone, Alarm: CRI (0) MAJ (1) MIN (0), CPU, Memory, File.

Message: 2016-05-25 14:30:44

Conf 2) Busy Override (Second COS)

The Busy Override (Second COS) feature code should be configured in the [CONFIGURATION > Service > Feature Service > Feature Code] menu.

The screenshot displays the SCM Administrator web interface. The main menu includes PERFORMANCE, CONFIGURATION, MANAGEMENT, VM/AA, and CONFERENCE. The left sidebar shows the CONFIGURATION menu with options like Time Schedule, Service, Group Service, Speed Dial, User Service, DTMF Detection Service, Selective Service, and Hotel Service. The 'Service' option is expanded, and 'Feature Code' is selected.

The main content area shows the 'Feature Code' configuration page for 'Single Phone User' and 'Main Monitor'. The 'User Group' is set to 'UG1'. A table lists various feature codes, with 'Busy Override (Second COS)' highlighted in yellow and a red box around its 'Feature Code Digit' column.

Service Type	Feature Code Digit	Minimum Digit Length	Maximum Digit Length
Absence - Cancel	+710	1	30
Absence - Set	+411	1	30
All Feature Clear	+99	1	30
Analog Trunk Port Check	+76	1	30
Attendant Continuous Call	+73	1	30
Auto Answer Mode - Cancel	+430	1	30
Auto Answer Mode - Set	+431	1	30
Auto Retry - Cancel	+170	1	30
Auto Retry - Set	+171	1	30
Barge-In with Tone	+23	1	30
Barge-In without Tone	+24	1	30
Busy Override	+83	1	30
Busy Override (Second COS)	+84	1	30
Call Bridge			
Call Forward All - Cancel	+610	1	30
Call Forward All - Set	+611	1	30
Call Forward Busy - Cancel	+620	1	30

At the bottom of the interface, the System Viewer shows system status: [MINE] OS6-64bit-2, Status: [MASTER] Active Alone, and Alarm: CRI (0) MAJ (0) MIN (0). The Event Viewer shows a list of alarms, including 'A/A LINK : DOWN' and 'Routefislot 191.2531 Register Expired'.

Conf 3) Busy Override (Second COS)

SCM will release the ongoing call made though the busy trunk if the opposite site of the busy call has the lower privacy level than busy override caller's override level. The Override/Privacy Level can be set in the [CONFIGURATON > Service > Feature Service > Class of Service] menu.

The screenshot displays the 'Class of Service - Change' dialog box within the SCM Administrator application. The dialog is titled '[DIALOG]Class of Service - Change'. It features several configuration fields:

- User Group:** UG1
- Override Level:** Level 4 (highlighted with a red box)
- Call Limitation Level:** Level 0
- Name:** high override
- Privacy Level:** Level 5 (highlighted with a red box)

Below these fields are various service permissions, each with a checkbox:

- AME
- Auto Record
- Barge-In without Tone
- Call Forward Busy
- Call Move Service
- Call Transfer
- Caller ID Display
- DND Override
- Dispatch Call
- Hot Line
- Internal Wi-Fi Push Service
- Move To Mobile
- Music on Hold
- No Use Transferee Restriction Policy
- Paging On Answer
- Preset Call Forward Busy
- Receiving Call in Hot Spot Zone
- Restricted Call Forward
- Absence
- Auto Retry
- Busy Override
- Call Forward No Answer
- Call Park Extension
- Call Waiting
- Change User Name
- Deny International Call Forward/Tran...
- Follow Me
- Hotel Inter-Room Call Lock
- Malicious Call Trace
- Move to WE VoIP First (Move Key)
- Multicast Paging
- One-Step Conference
- Pairing Service for Any Mobile
- Preset Call Forward DND
- Receiving Call in mVoIP Zone
- Ring Back Override
- Add-On Conference
- BLF Key Create
- Call Bridge
- Call Forward Unreachable
- Call Park Orbit
- Callback
- Conference Member Eject
- Different Group Call Forward
- Group Call Forward
- Hotspot Push Service
- Meet-me Conference
- Multi-Device Conference
- No Ring
- Operator Call
- Premium CID Service
- Preset Call Forward No Answer
- Remote Extension Set
- Second Class of Service
- Auto Answer
- Barge-In with Tone
- Call Forward All
- Call Logging
- Call Recording
- Caller ID Block
- DND
- Direct Trunk Selection
- Hot Desking
- Individual Speed Dial Insert/Delete
- Mobile Auto Answer
- Multi-ring
- No Ring Override
- Outbound Call Lock
- Preset Call Forward All
- Preset Call Forward Unreachable
- Remote Office
- Service After Speed Dialing

At the bottom of the dialog are three buttons: 'Change', 'Apply', and 'Close'. The background shows the SCM Administrator interface with a sidebar menu and a system viewer at the bottom.

Conf 4) Busy Override (Second COS)

If 'busy override (Second COS)' feature code is dialed, the override level of **[Second Class of Service]** should be the higher than the busy call's privacy level. The **[Second Class of Service]** can be set in the **[CONFIGURATON > Service > Feature Service > Class of Service]** menu.

The screenshot displays the 'SCM Administrator' interface with the 'Class of Service - Change' dialog box open. The dialog box is titled '[DIALOG]Class of Service - Change' and contains the following settings:

- User Group:** UG1
- Name:** UG1_default
- Override Level:** Level 4
- Privacy Level:** Level 3
- Call Limitation Level:** Level 0
- Second Class of Service:** high override (highlighted with a red box)
- Restriction Policy:** (empty)
- Hot Spot Restriction Policy:** (empty)
- IP Zone A Restriction Policy:** (empty)
- Call Transfer Restriction Policy:** (empty)
- Smart Handover Type:** None

The 'Service Permission' section is also visible, listing various features with checkboxes:

- AME
- Absence
- Add-On Conference
- Auto Answer
- Auto Record
- Auto Retry
- BLF Key Create
- Barge-In with Tone
- Busy Override
- Barge-In without Tone
- Call Bridge
- Call Forward All
- Call Forward Busy
- Call Forward No Answer
- Call Forward Unreachable
- Call Logging
- Call Move Service
- Call Park Extension
- Call Park Orbit
- Call Recording
- Call Transfer
- Call Waiting
- Callback
- Caller ID Block
- Caller ID Display
- Change User Name
- Conference Member Eject
- DND
- DND Override
- DND of Dispatch Call Override
- Deny International Call Forward/Trans...
- Different Group Call Forward
- Direct Trunk Selection
- Dispatch Call
- Follow Me
- Group Call Forward
- Hot Desking
- Hot Line
- Hotel Inter-Room Call Lock
- Hotspot Push Service
- Individual Speed Dial Insert/Delete
- Internal Wi-Fi Push Service
- Malicious Call Trace
- Meet-me Conference
- Mobile Auto Answer
- Move To Mobile
- Move to WE VoIP First (Move Key)
- Multi-Device Conference
- Multi-ring
- Music on Hold
- Mucast Paging
- No Ring
- No Ring Override
- No Use Transferee Restriction Policy
- One-Step Conference
- Operator Call
- Outbound Call Lock
- Paging On Answer
- Pairing Service for Any Mobile
- Premium CID Service
- Preset Call Forward All
- Preset Call Forward Busy
- Preset Call Forward DND
- Preset Call Forward No Answer
- Preset Call Forward Unreachable
- Receiving Call in Hot Spot Zone
- Receiving Call in mVoIP Zone
- Remote Extension Set
- Remote Office
- Restricted Call Forward
- Ring Back Override
- Second Class of Service

The dialog box has 'Change', 'Apply', and 'Close' buttons at the bottom. The background shows the 'SCM Administrator' interface with a sidebar menu and a 'System Viewer' section.

Conf 5) Busy Override (Second COS)

In case of tandem call, the Class of Service can be configured in the **[CONFIGURATION > Trunk Routing > Route > Trunk Service Tab]** menu. To release the busy line, the priority order should be checked using override/privacy level in the Class of Service.

The screenshot displays the SCM Administrator interface. The main window is titled "[DIALOG] Route - Change" and has several tabs: Basic Configuration, SIP Registration, Additional SIP, Trunk Service, Interworking, and Number Translation. The "Trunk Service" tab is active. The configuration is organized into two columns of fields:

Field Name	Value	Field Name	Value
Trunk Access Code	[Empty]	Default Access Code for Tendon	Disable
Available Route	Enable	Route Lock	None
Trunk Restriction Policy	[Empty]	Call Forward Block	Disable
Anonymous Call Reject	None	Class of Service	high override
Maximum Call	[Empty]	Maximum Inbound Call	[Empty]
Maximum Outbound Call	[Empty]	Allow Reroute ReasonCode	[Empty]
Outbound Error Announcement	Disable	Inbound Error Announcement	Disable
Call Forward Announcement Iteration	0	Caller Ring Type	None
Use Virtual Ringback	Disable	Use Real Ringback	Disable
Virtual Ringback for Outbound Call	Disable	Auto Answer Ignore	Enable

At the bottom of the dialog, there are buttons for "Change", "Apply", and "Close". The "Class of Service" dropdown is highlighted with a red box, indicating its importance in the configuration.

Conf 6) Busy Override (Second COS)

If the [maximum call] is 2 and there are 2 busy calls, SCM will find the longest continuous call that satisfying with the priority order condition. The call will released forcedly.

If the maximum call is not set, SCM will check these conditions after receiving 486 Busy response and then make a busy override call again.

SCM Administrator

[DIALOG] Route - Change

Basic Configuration | SIP Registration | Additional SIP | Trunk Service | Interworking | Number Translation

Trunk Access Code: [Dropdown]
 Available Route: Enable
 Trunk Restriction Policy: [Dropdown]
 Anonymous Call Reject: None
Maximum Call: [Empty]
 Maximum Outbound Call: [Empty]
 Outbound Error Announcement: Disable
 Call Forward Announcement Iteration: 0
 Use Virtual Ringback: Disable
 Virtual Ringback for Outbound Call: Disable

Default Access Code for Tendum: [Dropdown]
 Route Lock: None
 Call Forward Block: Disable
 Class of Service: high override
 Maximum Inbound Call: [Empty]
 Allow Reroute ReasonCode: [Empty]
 Inbound Error Announcement: Disable
 Caller Ring Type: None
 Use Real Ringback: Disable
 Auto Answer Ignore: Enable

Change Apply Close

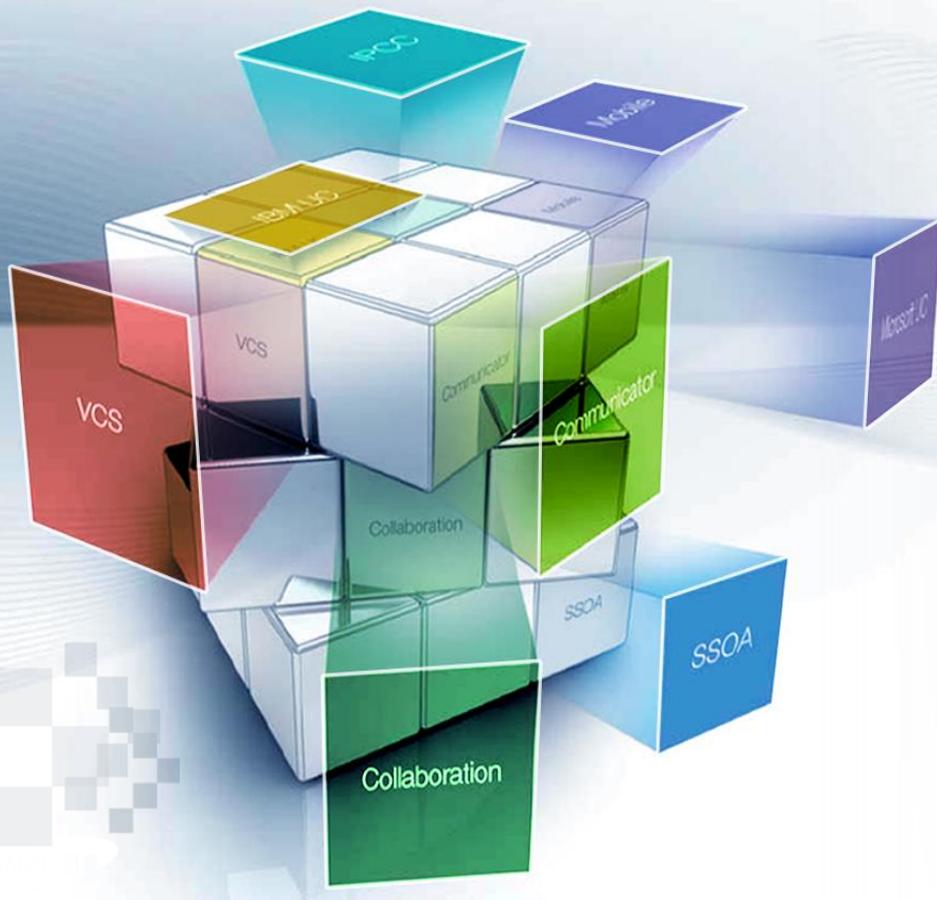
Level	Type	Date/Time	Node Name	System Name	Description
Major	ALARM	2016-04-18 17:29:43	NODE 1	os6-scm-16	SUBSCRIBER [MAX=200][CURRENT=198][99]
Major	ALARM	2016-04-18 17:02:28	NODE 0	os6-scm-15	SUBSCRIBER [MAX=200][CURRENT=198][99]

System: [MINE] os6-scm-15
 Status: [MASTER] Active Alone
 Alarm: CRI (0) MAJ (1) MIN (0)

CPU Memory File

Message Completed (Total : 5 / 5) [2016-05-25 15:04:07] 2016-05-25 15:04:44

Multi-Extension Phone Bridge



Multi-Extension Phone Bridge

- Select 'Bridge' and 'Hot Line' in the [CONFIGURATION > Service > Feature Service > Class of Service].
- Configure a feature code for 'Bridge' in the [CONFIGURATION > Service > Feature Service > Feature Code].
- Set 'Bridge' feature code and target phone for 'Hot Line' in the [CONFIGURATION > Service > Feature Service > Service Activation].

◆ Bridge to Single Extension Number

[DIALOG]Service Activation - Activate

User Group	UG1	Extension Number	3001
Service Type	Hot Line	Destination	+336001
Use Notification		Start Time	
End Time		Service Date	
Allow Other Ring		Preset Call Forward Type	
Auto Record Mailbox		Auto Record Call Type	
Call Logging		Service Schedule	
Bridge Target Phone		Bridge Multi-Device	Enable

Activate Apply Close

Bridge Feature Code (*33) + Destination Number(6001)

◆ Bridge to Multi-Extension Phone

[DIALOG]Service Activation - Activate

User Group	UG1	Extension Number	3001
Service Type	Hot Line	Destination	+33
Use Notification		Start Time	
End Time		Service Date	
Allow Other Ring		Preset Call Forward Type	
Auto Record Mailbox		Auto Record Call Type	
Call Logging		Service Schedule	
Bridge Target Phone	6001	Bridge Multi-Device	Enable

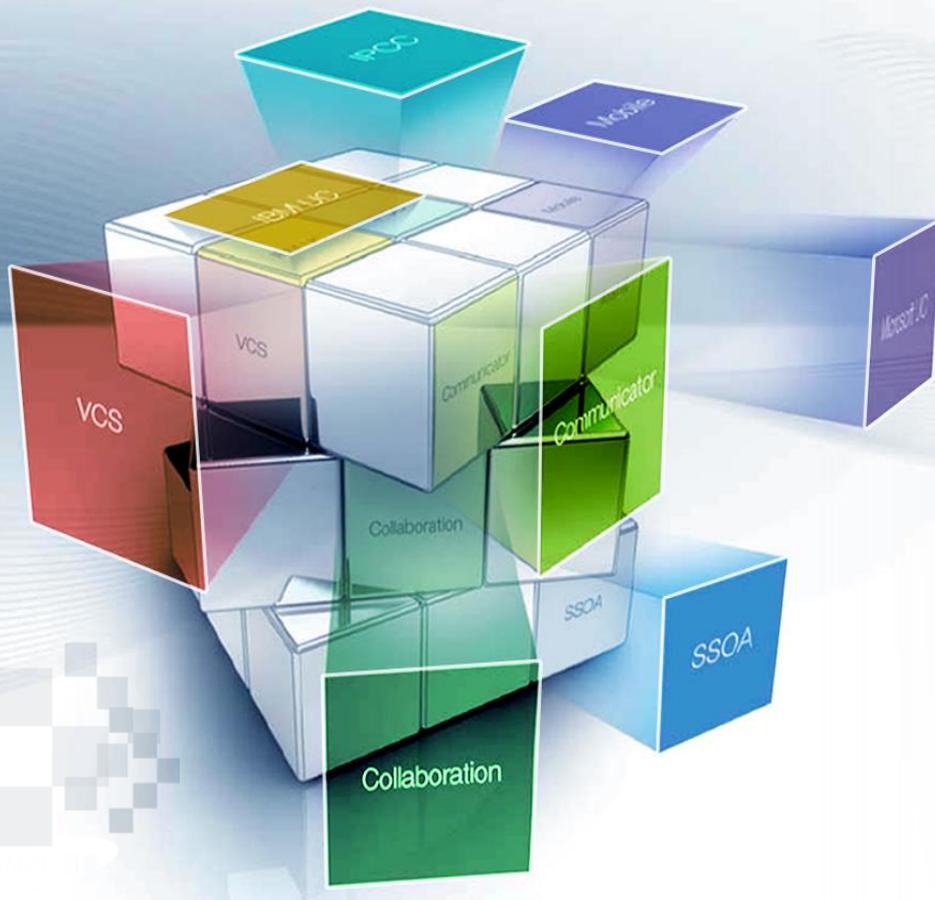
Activate Apply Close

Bridge Feature Code (*33)

Bridge Target Phone(6001)

※ Bridge Multi-Device: It's used to choose whether a call to the multi-device number at another phone can be bridged or not.

Analog Trunk Port Check and Release Feature



❖ Analog trunk port check and release feature

- **[CONFIGURATION > Service > Class of Service]** set the check phone to the Override level higher than the user Privacy level.
- **[CONFIGURATION > Service > Feature Service > Feature Code > Analog Trunk Port Check]** feature code should be set.
- The 'Analog Trunk Port Check' button should be created in the **[CONFIGURATION > User > Phone Key Programming]** menu.

[DIALOG] Phone Key Programming - Change

User Group: UG1 Phone Na

#	Display Name	Key	Value	Extension Number
1	DTS 800	.Direct Trunk Selection	800	3102
2	DTS 801	.Direct Trunk Selection	801	3102
3				3102
4	DTS Check	.Analog Trunk Port Check		3102
5				3102

[Function usage]

- The user can press the 'Analog Trunk Port Check' button, and after dialing DTS number + '#'.
- Or the user can dial the 'Analog Trunk Port Check' feature code + DTS number + '#'.

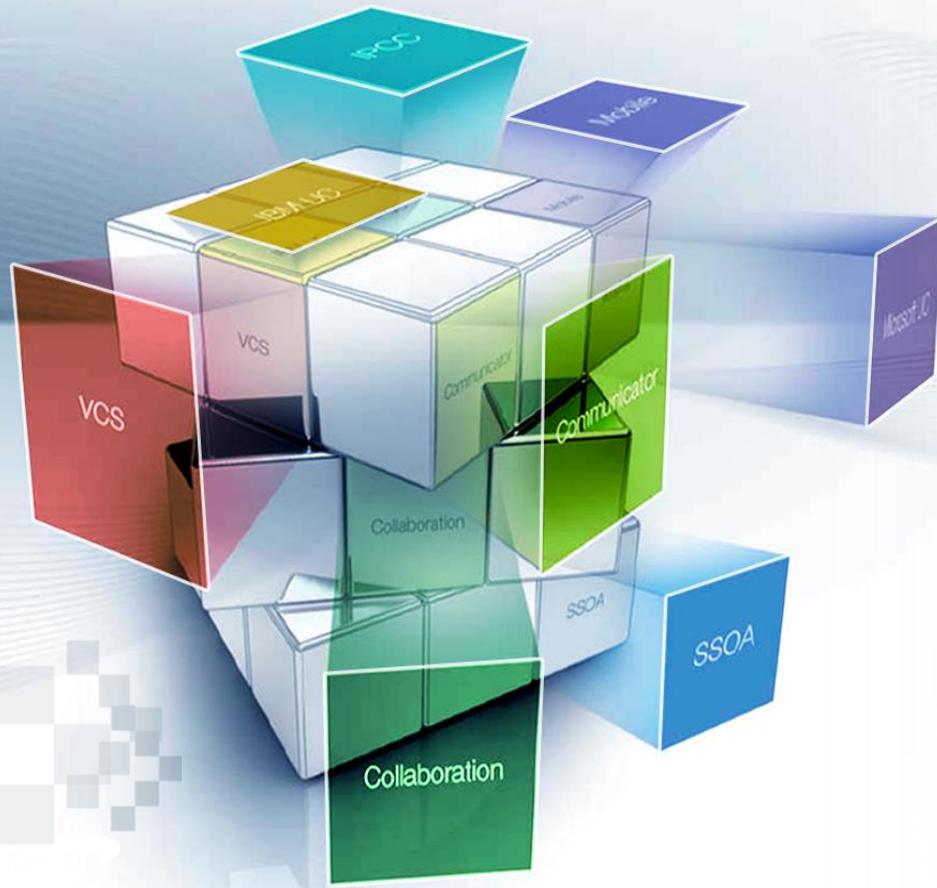
[The process according to the analog trunk condition]

- 1) If the trunk is status is an Idle : Makes a call to the trunk
- 2) If the trunk is status is a Conv : A three-way call is established but your voice is muted

[Analog trunk call termination]

- If you press 'Forced Release' button after pressing 'Function' button in the barge-in without tone condition, the trunk call is terminated.

Call Waiting Transfer of PC Attendant (Korea only)



Call Waiting Transfer of PC Attendant

- [CONFIGURATION > Service > Feature Service > Feature Code] Configure 'Transfer Call Waiting'
- [CONFIGURATION > User Group > Change User Group > Timers] Configure 'Call Waiting No Answer Time(Sec)'

[DIALOG] Feature Code - Change

User Group: UG1

Service Type	Feature Code Digit	Minimum Digit Length	Maximum Digit Length
Outbound Call Lock - Set	*421	1	30
PRI MCID			
Paging On Answer			
Parked Call Retrieve	+12	1	30
Predefined Conference			
Predefined Text Message			
Progressive Conference			
Remote Extension Lock	+71	1	30
Remote Extension Set	+70	1	30
Remote Office - Cancel			
Remote Office - Set			
Ring Plan Override - Cancel			
Ring Plan Override - Set			
Second Class of Service - Cancel	+130	1	30
Second Class of Service - Set	+131	1	30
Shared Call Retrieve	+15	1	30
Station Paging	+55	1	30
Temporary CID Restriction	+35	1	30
Transfer Call Waiting	+932	1	30
Trunk Medial			
VM Access	+88	3	30
VM Administration	+86	1	30
VM Memo	#	1	30
VM Message	+85	1	30
VM Transfer	+87	1	30
Voluntary Account Code	+96	1	30
Wake-Up Call - Cancel	+450	1	30
Wake-Up Call - Set	+451	1	30

Change Apply Close

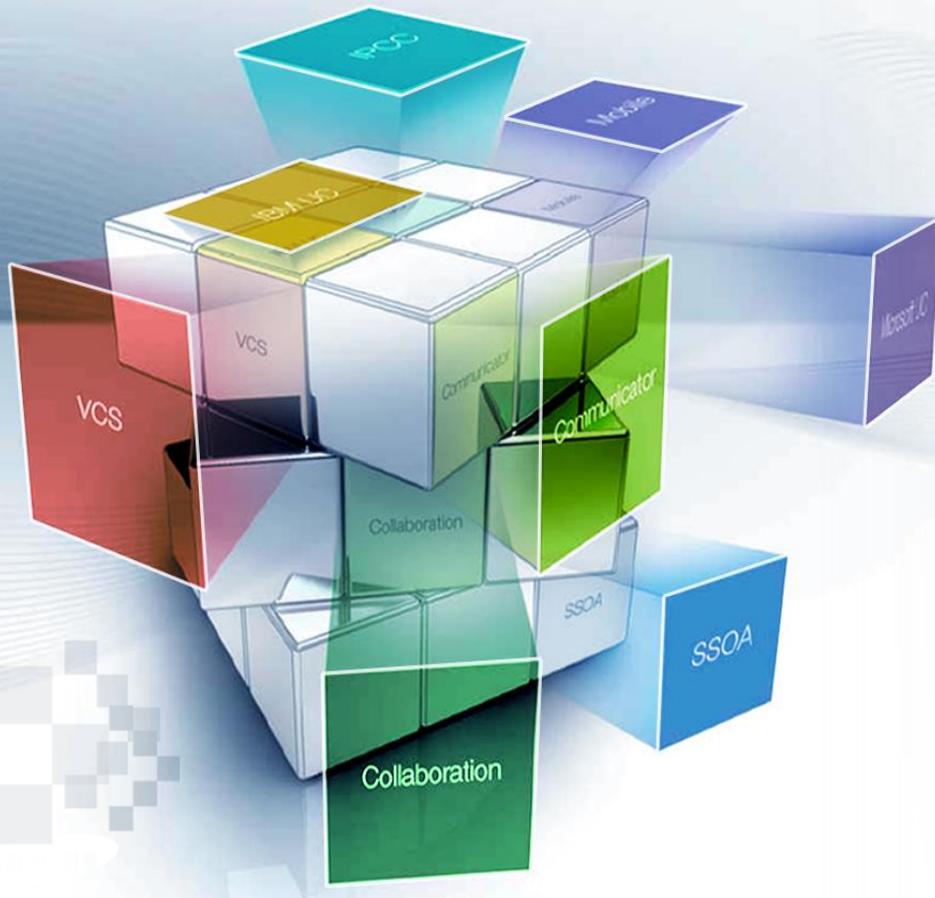
[DIALOG] Timers - Change

User Group: UG1

Callback Service Duration(min)	60	Callback Ring No Answer Time(sec)	60
Auto Retry Interval(sec)	60	Auto Retry No Answer Time(sec)	30
Park Recall Time(sec)	300	Auto Retry Service Duration(min)	60
Operator Recall Time(sec)	38	Transfer Recall Time(sec)	30
Recall Disconnect Time(sec)	180	Operator Recall Wait Time(sec)	0
Internal Call No Answer Clear(sec)	30	Long Duration Call Criterion(hour)	2
Register Expire Deviation(sec)	10	External Call No Answer Clear(sec)	30
Register Expire Maximum(sec)	3600	Register Expire Minimum(sec)	30
Service No Answer Time(sec)	10	Remote Phone Register Expire(sec)	60
Wake-Up Retry Interval(sec)	30	Wake-Up Announcement Interval(sec)	3
Internal Call No Response Time(sec)	10	POA No Answer Clear(sec)	60
Pause Delay Time(sec)	3	External Call No Response Time(sec)	10
Ping Ring Time(sec)	15	DTMF Duration Time(100ms)	1
FMC Register Expire Maximum(sec)	3600	FMC Register Expire Minimum(sec)	30
Push No Response Time(sec)	10	Register Auth Valid Interval(sec)	15
Dispatch Call No Answer Time(sec)	20	Push Reg-Request Interval(min)	None
Call Waiting No Answer Time(Sec)	5	FXS Register Expire Time(sec)	66400

Change Apply Close

SIP ACL White List



❖ SIP ACL White List(1)

- SIP ACL White List is exception list for an "Unauthorized SIP ACL".
[Pre-Condition]
 - 1) "Unauthorized SIP ACL Status " is enabled.
 - 2) Caller IP Address is matched in "SIP ACL White List"'s IP Address.
 → SCM doesn't block the SIP message for caller by "Unauthorized SIP ACL".

- MENU Location

- 1) [MANAGEMENT > Access Control List(ACL) > SIP ACL White List]

- SIP ACL White List Item and Description

Item	Description
Source IP Address	Input IP address to exclude "Unauthorized SIP ACL". Ex) 10.251.194.23
Subnet Mask	Input Subnetmask to exclude "Unauthorized SIP ACL". Ex) 255.255.255.0
Node Name	Select Node name to except "Unauthorized SIP ACL". If Node Configuration is not set, SIP ACL White List works without Node Name.

SIP ACL White List(2)

SCM Administrator

File Tool Tab Dialog Help SERVER10,251,194,82 USERroot LEVEL1,Engineer

scm Administrator

PERFORMANCE CONFIGURATION MANAGEMENT VM/AA CONFERENCE

MANAGEMENT SIP ACL White List

Search

[DIALOG]SIP ACL White List - Create

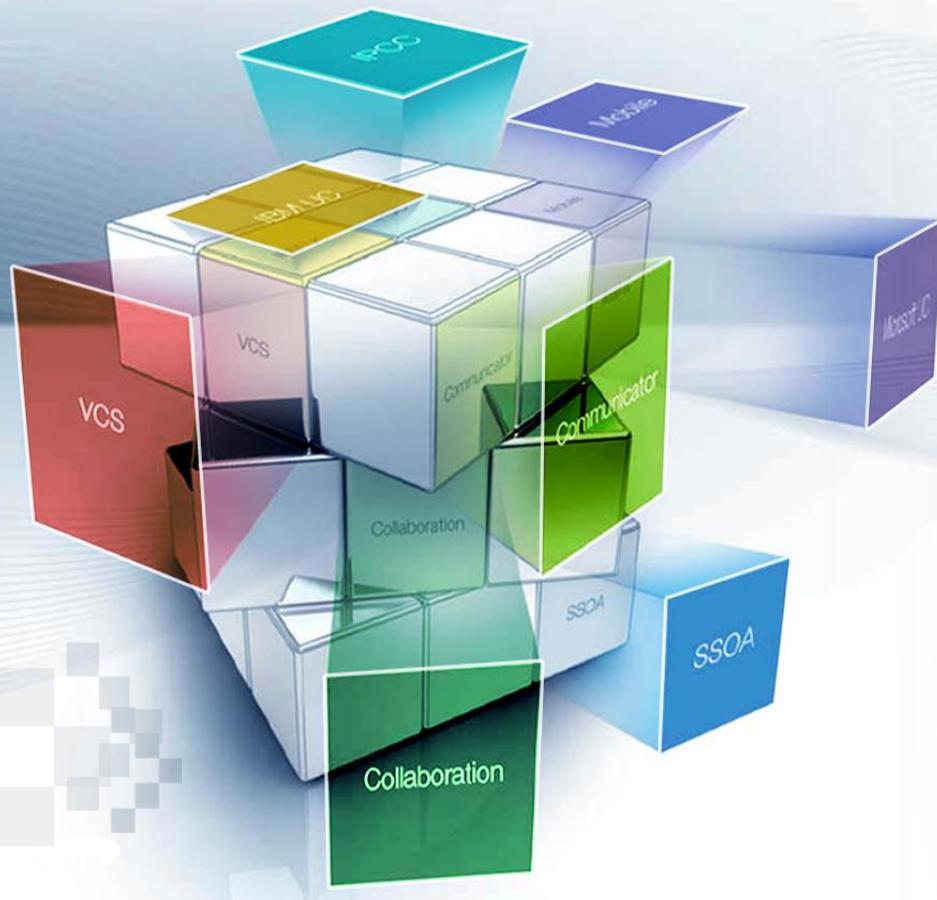
Source IP Address	10,251,194,23	Subnet Mask	255,255,255,254
Node Name	NODE 0		

Create Apply Close

- Access Control List(ACL)
 - ACL Options
 - ICMP ACL
 - Unauthorized SIP ACL
 - SIP ACL White List**
 - Management Port ACL
 - SNMP Trap ACL
 - Miscellaneous ACL
- TOS Control
- LDAP Data Import
- Photo File Management
- External Server Digest Authent...

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

Mobile SIP ACL Policy



Mobile SIP ACL Policy(1)

- Mobile SIP ACL Policy is exception list for an "Unauthorized SIP ACL".
[Pre-Condition]
 - 1) "Unauthorized SIP ACL Status " is enabled.
 - 2) Caller is "Samsung Mobile Phone".
 - 3) Mobile SIP ACL Policy is "Allow".

➔ SCM doesn't block the SIP message for caller by "Unauthorized SIP ACL".

- MENU Location

- 1) [MANAGEMENT > Access Control List(ACL) > ACL Options]

- Mobile SIP ACL Policy Item and Description

Item	Description
Mobile SIP ACL Policy	Drop -> The Mobile Phone User is included in "Unauthorized SIP blocking". Allow -> The Mobile Phone User is excluded in "Unauthorized SIP blocking".

Mobile SIP ACL Policy(2)

SCM Administrator

File Tool Tab Dialog Help SERVER10251,194,82 USERroot LEVEL1,Engineer

scm Administrator

PERFORMANCE CONFIGURATION MANAGEMENT VM/AA CONFERENCE

MANAGEMENT

ACL Options SIP ACL White List

Search

SNMP Trap A SNMP Trap D SNMP Trap D ICMP ACL Sta ICMP Default Unauthorized SIP Default P SIP

[DIALOG]ACL Options - Change

SNMP Trap ACL Status	Disable	SNMP Trap Default Policy	Drop
SNMP Trap Default Port	162	ICMP ACL Status	Disable
ICMP Default Policy	Drop	Unauthorized SIP ACL Status	Disable
SIP Default Port	5060	SIP Common Msg Block Timer (sec)	600
SIP REGISTER Block Timer (sec)	60	SIP REGISTER Retry Limit	2
Unauthorized SIP ACL Degree	IP_PORT_PROTOCOL	SIP Storming Status	Disable
SIP Storming Decision Time	5	SIP Storming Threshold	200
SIP Storming Block Timer (sec)	600	Management Port ACL Status	Disable
Management Port ACL Default Policy	Drop	Miscellaneous ACL Status	Enable
Mobile SIP ACL Policy	Drop		

Drop

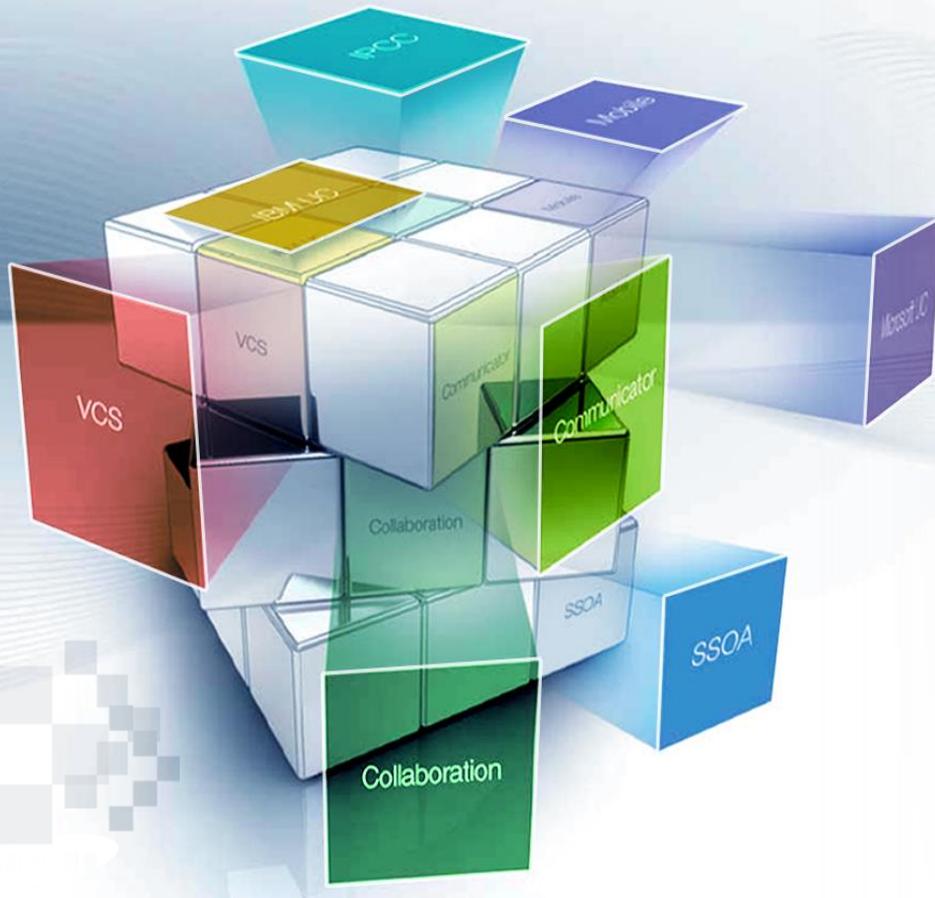
Allow

Apply Close

1 / 1 (1)

Detail Change Excel Detach Help Close

Display Other User Group for Directory Service

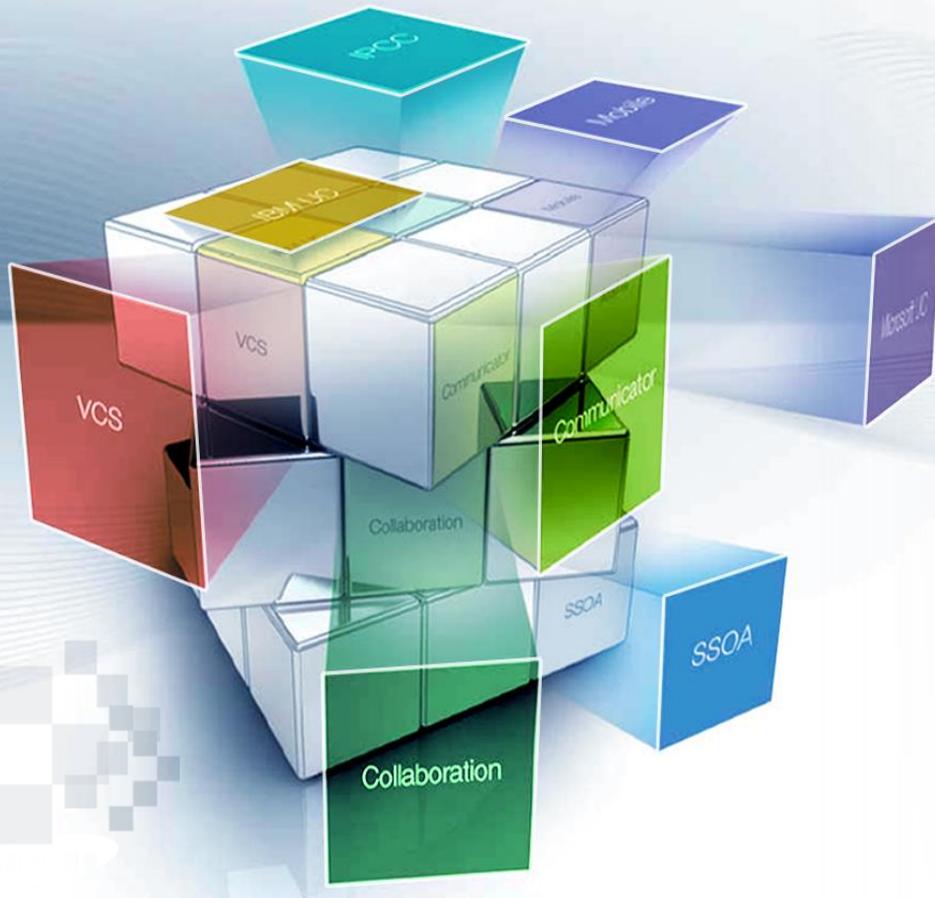


❖ Display Other User Group for Directory Service

- SCM provides Directory Service that user can search subscriber's name or number by Samsung IP-Phone.
 - If subscriber's name or number is duplicated by other User Group, SCM can show result control by this option.
- **MENU Location**
- 1) [CONFIGURATION > Service > Directory Service Display]
- Display Other User Group Item and Description

Item	Description
Display Other User Group	Select whether to display the Other User Group's information in search result.

Improved PROXYB for TLS Load balancing



Improved PROXYB for TLS Load balancing

- To Support TLS Load balancing, PROXYB usage has improved.
- **Improved feature**
 - 1) PROXYB Index can change by operator.
 - 2) Receive REGISTER Route(GW) can use Internal Proxy.
- **MENU Location**
 - 1) [CONFIGURATION > User > Single Phone User/Multi-Extension Phone]
 - “Protocol” Tab : “Use InterProxy”, “PROXYB Index”
 - 2) [CONFIGURATION > Trunk Routing > Route]
 - “Protocol” Tab : “Use InterProxy”, “PROXYB Index”
- **How to Use**
 - 1) Select “Protocol” is “TLS”.
 - 2) Select “Use InterProxy” is enable.
 - 3) Input “PROXYB Index”.

→ Operator can check “External Proxy Port” in [PERFORMANCE > Registration Status> Registration Status] Menu.

SCM Capacity	PROXYB Index Range	Configuration Capacity per PROXYB
3000	0~3	1000
10000	0~7	2500
30000	0~7	10000



Thank you