

Avaya IP Office Conference Bridge

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SCOPTEL Avaya IP Office Conference Bridging Integration

- The SCOPTEL PBX includes a Web based user interface for configuring Conference Bridges.
- Conference Bridging in SCOPTEL does not require additional DSP's since it is software based and relies on the host CPU(s).
- SCOPTEL can be used as an external Conference Bridging Application connected to other PBX's.
- Supported and bundled interfaces in the SCOPTEL to 3rd party PBX's include: SIP, IAX2, PRI (T1/E1), BRI, E&M (T1/E1), SCCP, H.323, MGCP.
- Supported ISDN switch types include NI1, NI2, DMS100, AT&T 4ESS, Lucent 5E, EuroISDN, QSIG. Operating in Normal or Master clocking mode.
- Supported T1/E1 PSTN hardware is Sangoma or Digium.

Navigate to Applications>Conferences to create a new Conference Bridge Object.

The screenshot displays the 'Application Manager: Conferences' web interface. On the left is a navigation tree with categories like Configuration, Server, Network, and Telephony. The main area has tabs for Applications, Auto Attendants, Conferences (selected), Custom Scripts, and Scheduled Tasks. Under the 'Conferences' tab, there's a 'General' sub-tab. The form contains fields for 'Conference #' (6050), 'Name' (internalbridge), 'Description' (empty), 'User PIN' (1234), and 'Admin PIN' (2234). At the bottom are 'Save', 'Copy', and 'Cancel' buttons. A legend indicates that a red asterisk denotes a 'Required Field' and a green refresh icon means 'Page Refresh on Change'.

Navigate to Applications and create a new application number for the new Conference Bridge object.

Configuration

Server

Network

Telephony

General

Configuration

Manager

Extensions

Lines

Interfaces

Provisioning

Audio

Virtual Fax

Queues and Agents

Applications

Billing

Miscellaneous

Import/Export

ScopSTATS

Old Reports

Tools

Administration

Options

Configuration Wizard

Log out

Application Manager: Applications

Applications

Auto Attendants

Conferences

Custom Scripts

Scheduled Tasks

Applications

General

Destination

Conference

DUNDI / ENUM

* Tenant

default

* Extension

*850

Description

Save

Copy

Cancel

Legend:

* Required Field

Page Refresh on Change

Click on the Destination tab and set your destination to the desired Conference. Scheduling can be used to activate or de-activate the conference application based on time of day/date.

Configuration

Server

Network

Telephony

General

Configuration

Manager

Extensions

Lines

Interfaces

Provisioning

Audio

Virtual Fax

Queues and Agents

Applications

Billing

Miscellaneous

Import/Export

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Old Reports

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Options

Configuration Wizard

Log out

Application Manager: Applications

Applications

Auto Attendants

Conferences

Custom Scripts

Scheduled Tasks

Applications

General

Destination

Conference

DUNDI / ENUM

* Destination

Goto Conference

* Destination Conference

Internalbridge (6050)

Schedule

default

Options

Allow Extensions to use this application as : ☒

destination ?

Map to Dynamic Feature Code ?

Save

Copy

Cancel

Legend:

* Required Field

Page Refresh on Change

Click on the Conference tab to set internal admin options for SCOPTEL extensions.

Configuration

Server

Network

Telephony

General

Configuration

Manager

Extensions

Lines

Interfaces

Provisioning

Audio

Virtual Fax

Queues and Agents

Applications

Billing

Miscellaneous

Import/Export

ScopSTATS

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Tools

Administration

Options

Configuration Wizard

Log out

Application Manager: Applications

Applications

Auto Attendants

Conferences

Custom Scripts

Scheduled Tasks

Applications

General

Destination

Conference

DUNDI / ENUM

Mode

TalkListen

Default: none

Announce user Join/Leave

☒

Do not review Announce message ?

☐

Quiet mode (don't play enter/leave sounds)

☐

Enable Music On Hold when the

conference has a single caller

Music On Hold

g722 (Global)

Wait until the marked user enter before :

allow talk

Allow user to exit by pressing # :

☒

Present Menu (User/Admin) by pressing * :

☒

Monitor Conference?

☐

Authentication/Password

Authentication (PIN) ?

None

Default: none

Save

Copy

Cancel

Legend:

* Required Field

Page Refresh on Change

SCOPTEL is configured as the Master clock and in DMS100 signalling mode in order for the Avaya IP Office to send name over the PRI.

Logged as: admin

Configuration

- Server
- Network
- Telephony
 - General
 - Configuration
 - Manager
 - Extensions
 - Lines
 - Interfaces
 - Provisioning
 - Audio
 - Virtual Fax
 - Queues and Agents
 - Applications
 - Billing
 - Miscellaneous
 - Import/Export
- ScopSTATS
- Old Reports
- Tools
- Administration
- Options
- Configuration Wizard
- Log out

Interfaces Manager: Digital Interfaces

Detect Cards

Digital Interfaces Analog Interfaces VoIP Accounts Interface Group DUNDI

Digital Interfaces

General Channel Options Wanpipe Voice RTP TAP Billing Incoming CallerID

Enable TDMoE (Virtual) ? ☐

Enable Multi-Frame support ? ☐

Use with Channels Bank ? ☐

* Signalling Method

Switch Type

Timing Sync Source:

Default: National ISDN 2

Clock Mode (Wanpipe)

This option must be set only on the first port of the card span.

Reference Clock Source:

This option must be set only on the first port of the card span.

Line Build-Out (LBO):

Default: 0db

Framing:

Default: ESF (Extended Superframe)

Coding

Default: B8ZS (Binary 8-Zero Suppression)

Enable NFAS? ☐

Advanced Settings (Sangoma/Wanpipe)

These options must be set only on the first port of the card span.

SCOPTEL uses DNIS configured on an incoming Line object to answer the IP Office and set the destination to the Conference Bridge. In this example a 4 digit DNIS example of 6363 is used.

Configuration

- Server
- Network
- Telephony
 - General
 - Configuration
 - Manager
 - Extensions
 - Lines
 - Interfaces
 - Provisioning
 - Audio
 - Virtual Fax
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 - Applications
 - Billing
 - Miscellaneous
 - Import/Export
- ScopSTATS
- Old Reports
- Tools
- Administration
- Options
- Configuration Wizard
- Log out

Lines Manager: Incoming Lines

Incoming Lines: 6363

Incoming Lines Outgoing Lines Emergency Lines Special Lines Banned Prefix CallerID Lookup Ringing Services

Incoming Lines

General Destination Options Security Conference Advanced Options CallerID DUNDI

* Tenant

Type

* Extension (DNIS):

* Trunk

Description:

Save Copy Cancel

Legend: * Required Field Page Refresh on Change

Set the Destination using the drop down list for Conference and choose the desired Conference Bridge object from the list.

Lines Manager: Incoming Lines Incoming Lines: 6363

Incoming Lines

General **Destination** **Options** **Security** **Conference** **Advanced Options** **CallerID** **DUNDi**

Destination #1

Destination: Conference
Default: none

* Conference: Internalbridge (6050)

Destination #2

Destination: None
Default: none

Save Copy Cancel

Legend: * Required Field Page Refresh on Change

Lines Manager: Incoming Lines Incoming Lines: 6363

Incoming Lines

General **Destination** **Options** **Security** **Conference** **Advanced Options** **CallerID** **DUNDi**

Mode: Talk/Listen
Default: none

Announce user Join/Leave: ☒

Quiet mode (don't play enter/leave sounds): ☐

Enable Music On Hold when the conference has a single caller: ☒

Music On Hold: g722 (Global)

Wait until the marked user enter before allow talk: ☐

Allow user to exit by pressing #: ☒

Present Menu (User/Admin) by pressing #: ☒

Monitor Conference?: ☐

Save Copy Cancel

Legend: * Required Field Page Refresh on Change

On the Conference tab set your Conference admin options. Optionally if you would like to record the call click on the Monitor Conference? [x] option to save the recording in the CDR report.

Once all configurations are completed and saved you must click on the Commit button on the SCOPTEL GUI to activate your changes.

Williams Commit

General **Configuration** **Manager** **Extensions** **Lines** **Interfaces** **Virtual Fax** **ACD** **Applications** **Provisioning** **Audio** **Billing** **Miscellaneous** **Options**

Logged as: admin

You must click on Commit button in order to apply Change.

Services Status:

Service	Status	Restart Service	Stop Service
Telephony Server	Running	Restart Service	Stop Service
Queue (ACD) Import (SQL)	Running	Restart Service	Stop Service
Analog/Digital Modules (DAHDI/Wanpipe)	Running	Restart Service	Stop Service
FastAGI Server	Running	Restart Service	Stop Service
HylaFAX (Virtual Fax)	Running	Restart Service	Stop Service
IAXmodem (Virtual Modem)	Stopped	Start Service	Stop Service
Instant Messaging (OpenFire)	Running	Restart Service	Stop Service
Flood Protection (Fail2ban)	Running	Restart Service	Stop Service

Edit Services Refresh

- To activate changes to the PRI interface you must first stop the Telephony Server.
- Restart the Analog/Digital Modules (Dahdi/Wanpipe) Service.
- Start the Telephony Service.

General Configuration Manager Extensions Lines Interfaces Virtual Fax ACD Applications Provisioning Audio Billing Miscellaneous Options Commit

You must click on Commit button in order to apply Change.

Services Status:

Telephony Server : Running	Restart Service	Stop Service
Queue (ACD) Import (SQL) : Running	Restart Service	Stop Service
Analog/Digital Modules (DAHDI/Wanpipe) : Running	Restart Service	Stop Service
FastAGI Server : Running	Restart Service	Stop Service
HylaFAX (Virtual Fax) : Running	Restart Service	Stop Service
IAXmodem (Virtual Modem) : Stopped	Start Service	
Instant Messaging (OpenFire) : Running	Restart Service	Stop Service
Flood Protection (Fail2ban) : Running	Restart Service	Stop Service

Edit Services Refresh

Avaya IP Office Configuration

Avaya IP Office uses “Incoming Call Routes” for incoming PRI calls and “Short Codes” or “ARS” for outgoing PRI calls. The PRI interface must be placed into an incoming and outgoing group. In this example the group ID’s are 0.

Code	6XXX
Feature	Dial
Telephone Number	6N
Line Group ID	0
Locale	United States (US English)
Force Account Code	<input type="checkbox"/>

Avaya IP Office uses Short Codes or ARS to originate a call to the DNIS configured in the SCOPTEL. In this example a Short Code value of 6XXX is used to send all calls with a prefix of 6 and a length of 4 to the SCOPTEL PRI using Line Group ID 0.

PRI 24 Line Channels

Channel	Groups	Line Appearance	Direction	Bearer	Service	Admin
1	0 0	701	Bothway	Any	None	In Service
2	0 0	702	Bothway	Any	None	In Service
3	0 0	703	Bothway	Any	None	In Service
4	0 0	704	Bothway	Any	None	In Service
5	0 0	705	Bothway	Any	None	In Service
6	0 0	706	Bothway	Any	None	In Service

Edit Channel

Channels	01
Incoming Group	0
Outgoing Group	0
Line Appearance Id	701
Direction	Bothway
Bearer	Any
Service	None
Admin	In Service
Tx Gain	0dB
Rx Gain	0dB

OK Cancel Help

Success

That’s it ! Using a phone connected to the Avaya IP Office you should be able to dial 6363 and the call will be routed via PRI and the DNIS configuration on the SCOPTEL will answer with the configured Conference Bridge.