

SCOPSERV
INTERNATIONAL INC.

Avaya IP Office Conference Bridge



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 shows the 'Application Manager: Conferences' configuration page. The left sidebar contains a tree view with 'Applications' selected. The main content area has a red header 'Application Manager: Conferences' and a sub-header 'Conferences'. Below this is a 'General' tab with the following fields: 'Conference #' (6050), 'Name' (internalbridge), 'Description' (empty), 'User PIN' (1234), and 'Admin PIN' (2234). At the bottom, there are 'Save', 'Copy', and 'Cancel' buttons, and a legend indicating that an asterisk (*) denotes a required field and a refresh icon indicates page refresh on change.

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

The screenshot shows the 'Application Manager: Applications' configuration page. The left sidebar contains a tree view with 'Applications' selected. The main content area has a red header 'Application Manager: Applications' and a sub-header 'Applications'. Below this is a 'General' tab with the following fields: 'Tenant' (default), 'Extension' (*850), and 'Description' (empty). At the bottom, there are 'Save', 'Copy', and 'Cancel' buttons, and a legend indicating that an asterisk (*) denotes a required field and a refresh icon indicates 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.

The screenshot shows the 'Application Manager: Applications' page with the 'Destination' tab selected. The 'Destination' field is set to 'Goto Conference'. The 'Destination Conference' field is set to 'Internalbridge (8050)'. The 'Schedule' field is set to 'default'. The 'Options' section includes 'Allow Extensions to use this application as destination?' (checked) and 'Map to Dynamic Feature Code?' (unchecked). The 'Legend' at the bottom indicates that an asterisk (*) denotes a required field and a refresh icon indicates a page refresh on change.

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

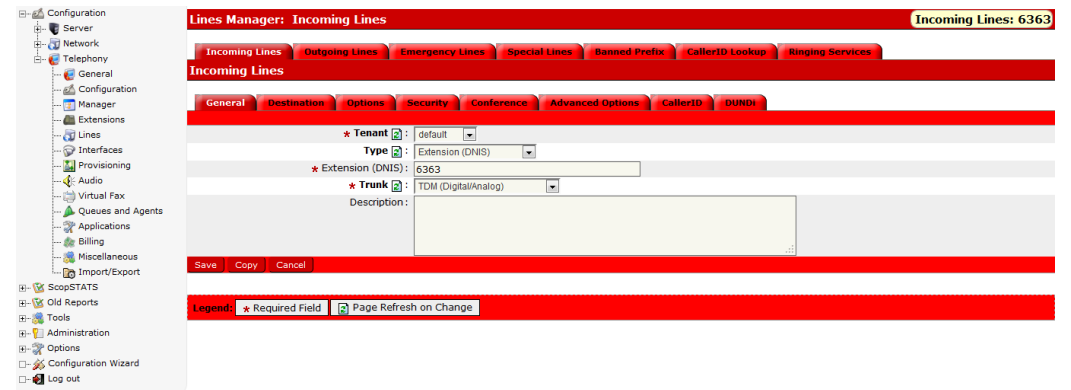
The screenshot shows the 'Application Manager: Applications' page with the 'Conference' tab selected. The 'Mode' is set to 'Talk/Listen'. The 'Default' is set to 'none'. The 'Announce user Join/Leave' checkbox is checked. The 'Do not review Announce message?' checkbox is unchecked. The 'Quiet mode (don't play enter/leave sounds)' checkbox is unchecked. The 'Enable Music On Hold when the conference has a single caller?' checkbox is checked. The 'Music On Hold' field is set to 'g722 (Global)'. The 'Wait until the marked user enter before allow talk' checkbox is unchecked. The 'Allow user to exit by pressing #' checkbox is checked. The 'Present Menu (User/Admin) by pressing #' checkbox is checked. The 'Monitor Conference?' checkbox is unchecked. The 'Authentication/Password' section includes 'Authentication (PIN) ?' (None) and 'Default: none'. The 'Legend' at the bottom indicates that an asterisk (*) denotes a required field and a refresh icon indicates a page refresh on change.



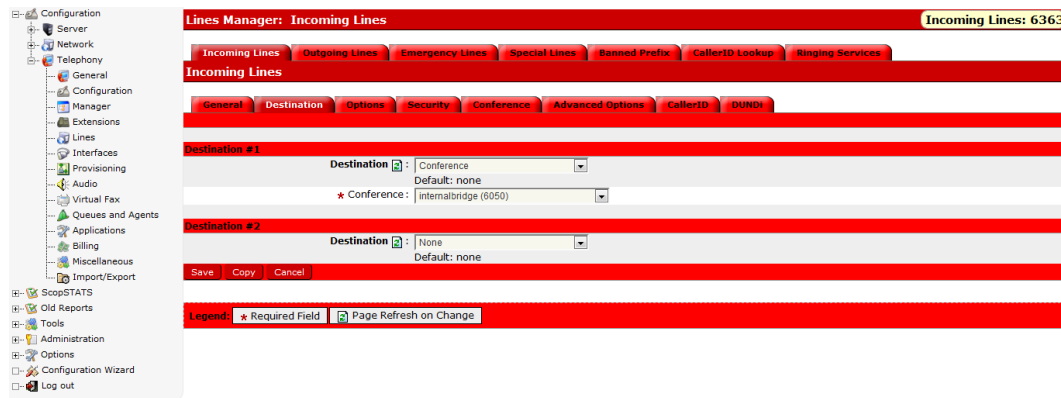
ScopTEL is configured as the Master clock and in DMS100 signalling mode in order for the Avaya IP Office to send name over the PRI.



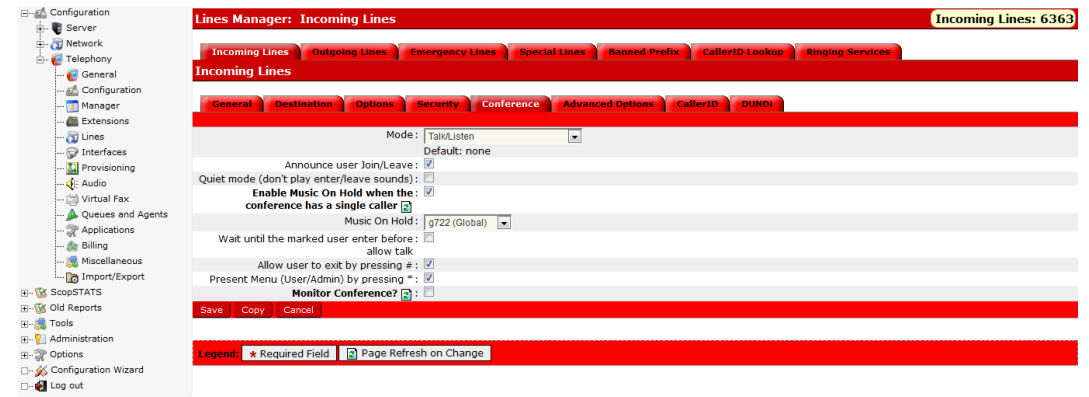
ScopTEL uses DNIS configured on an incoming Line object to answer the IP Office and set the destination to the Conference Bridge. In this example a 4 digit DNIS example of 6363 is used.



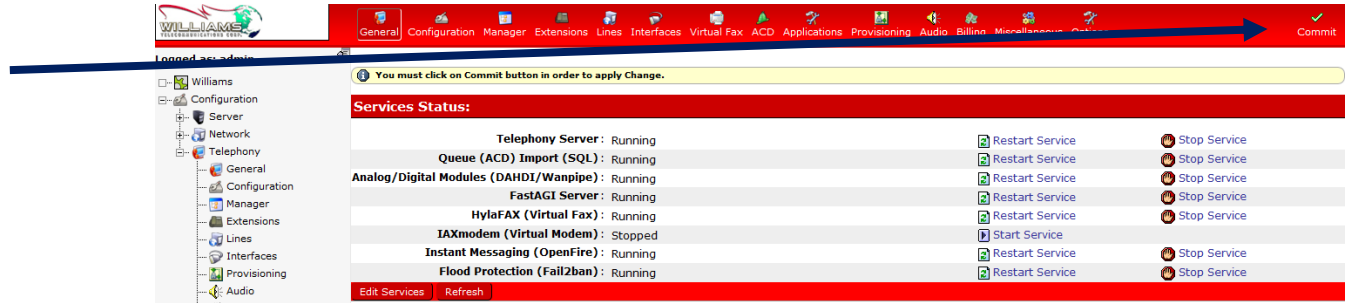
Set the Destination using the drop down list for Conference and choose the desired Conference Bridge object from the list.



- 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.



- 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.



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.

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

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

- 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.

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





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.

