

Avaya System Verification Test Lab

Application Note for Avaya B179 Conference Phone with Avaya SES Server 5.2.1 Issue 1.0

Issue 1.0

Abstract

These Application Notes present a sample configuration that enables the B179 Conference Phone (version 2.2.3 & 2.2.4) to register as a client with the Avaya 5.2.1 SES Server.

1. Introduction

With the introduction of the Avaya B179 SIP Conference phone to the terminals portfolio the interoperability with the SES server is being requested by customers. With this terminal having a long term roadmap within the Avaya solution -- customers know they can purchase this set today with it being protected in the Avaya Aura environment they deploy in the future.

The Avaya B179 is a flexible SIP-based conference phone, perfect for companies that use IP voice services. It's clear, natural sound comes from OmniSound 2.0, Avaya's patented wideband audio technology. The stylishly designed Avaya B179 is packed with intelligent features for more efficient conference calls. Use the conference guide to call pre-programmed groups with just a few simple pushes of a button. Conveniently import and export contact details via the Web interface. Create your own phone book with the personal user profile feature. The Avaya B179 is also ideal for larger conferences since it can accommodate expansion microphones, an external wireless headset and a PA system. With the Avaya B179 your company will have a conference phone that combines all the benefits of IP voice service with innovative new features.



Figure 1: B179 SIP Conference Phone

2. Equipment and Software Validated

The following equipment and software were used for the sample configuration provided:

Equipment	Software
Avaya B179 SIP Conference Phone	2.2.3 & 2.2.4
Communication Manager	CM-s8810-015-02.1.016.4
SES Server	SES-5.2.1.0-016.4
96x1/H.323	96x1-IPT-H.323-R6_0_5-091911
96XX SIP/H323	2.6.6.102/\$3.103\$

Tables are recommended:

96X1 SIP	96X1-IPT-SIP-R6_1_3-051711
B179 Conference Phone	2.2.3 & 2.2.4

3. Configure the Avaya B179 SIP Conference Phone

The setup of the B179 phone is straightforward and no custom settings are required to interoperate with the SES Server.

Reference 16-603915 Avaya B179 Administration Guide for details on setup. The following screen captures of the web management interface on the B179 Conference Phone show the settings used during testing of the set.

The following diagram shows the fields to register the phone with the call server.

		Avaya B179	
Global Sales	× Confere	nce Phones – All Collate 🗙 🛛 🗛	Avaya B179 × +
▶ 🛐 - 🔺 http://	10.10.224.171/cgi-bin	/adv_sip.cgi ☆ ♥ ♥	🚷 - get new certificate 3100 mc on iphone 🤉
Most Visited 🔹 🔝 Latest	Headlines 👻 💽 Avaya	Directory 🗋 Avaya Remote A	News 🔹 🛅 Sports 🔹 🛛 🛪 🔀 Bookn
AVAYA			You are logged in as ADMIN Logout
Status Phone t	book Call list Media LDAP We	Settings	visioning System
Account 1	2386 linfor	mation is the	
Enable account	e Yes No user	ID of the SIP	
Account name (i)	2386783	Realm (i)	* UserID of SIP user
User (i)	2386783	Authentication name (i)	2386783 on system
Registrar ①	sin extint com	Paceward	
Provv (1)	sip extiat com	Desistant see he sitter	2600 password of
FIOXY	7	the name of the server	user 2386783
This is the domain of		and domain	
the SIP user is	⊖Yes ⊙No	(sip.extiot.com) or the	
of. IP address is not	1186783	IP address of the server	*
an option here.	1186783	Authentication name	1186783
Reque	sip.extiot.com	Password	
Proxy	sip.extiot.com	Registration interval	3600
Enable account	Yes No		
Account name	1186783	Realm	*
llser	1186783	Authentication name	1186783
Bagistrar	cin outlet com	Paceword	
Registial	sip.extloc.com	Password	2000
Proxy	sip.extiot.com	Registration Interval	3600
NAT Traversal			
STUN (Î)	⊖On ⊙Off	STUN host	
Offer ICE	•Yes ONo		
TURN (Î)	⊖On ⊙Off	TURN user	
TURN host		Password	
Advanced			
Enable SIP Replaces	⊖Yes ⊙No		
Enable Blind Transfer	⊙Yes ◯No		
Allow contact rewrite	⊖Yes ⊙No	-	
Outbound proxy			
Transport			
Protocol		LS OSIPS Please check of	orresponding media signalling setting
Local UDP port	5060		
Sava Canad			
Save			
	Conveight	t © Avaya. All rights reserved. I www.av	aya.com
Find: O conference	Next		70
concerence		oubic la	K: Jou 23:00 T India: Eri 03:30 Turbour Eri 0

Figure 2: B179 SIP Conference Phone – SIP Configuration screen

4. Configure terminal profile in the SES server.

- 1. Login to the SES server.
- 2. Click on SIP enablement services
- 3. Choose "users"
- 4. Choose "add user" from the user administration section.
- 5. All fields with an * must be completed.
- 6. User handle and user id can be identical if desired.
- 7. Enter a password.
- 8. First and last names are required.
- 9. Check/enable the "Add Communication Manager Extension" box.
- 10. Press "Add".

5. Verification Steps

Once completed the phone should register with the SES server.

If the phone has successfully registered, then verify calling capabilities as defined by the class of service which the user account has been created under.

6. Conclusion

If all recommended administration of CM and SES is completed and the recommended software is used – registration of endpoints with dialtone should result.

7. Additional References

Document	Title
16-603915	Avaya B179 Administration Guide
NN10399-	Communication Server 2000 –
110	Adaptive Application Engine
	Configuration

8. Change History

Edit SIP Profile AvayaB179 Profile Name : AvayaB179 Description : AvayaB179 Signaling Request Selection : Select Requests Redirect Response Allowed : Header Selection : Select Headers Tags Allowed : Allow User Info Parameter : Request Nortel Profile Header : Add calling party display : VIA IP : Max Headers : 200 Max Header Length : 1024 Max Block Size : 4096 Hookflash URI username : flash Digit Timeout URI username : digit timeou E911 Mid call reject : User User Mode1 : Require Priority RingBack : Play Announcements : Unique Call IDs : Ephemeral Source port : P-Asserted Identity Header : Use Calling Party as From : Use Options : Consult XFer SVC needed : Presence Insertion : Force Homed User : Require Conference Parameter Swap : Require Refer To Privacy Swap Delay XFer202 : Alert Information Set Selection : Select Alert Information Set Subscribe Param Selection : Select Subscribe Params Require Alert Info Header : Refer Response : Suppress Long call Static Client Type : Refer To Substitution : IN Session Authentication : MCD Update Call Model : Use From Header For Subr Lookup Add Diversion Header : Use Request URI As TO : Remove Unknown Paid : Handle Refer On As : Use IP as FROM Domain : Remove Replaces Support : Remove NT-Endpoint from Request URI Remove NT-Endpoint from Contact : Alteon 302 Redirection Allow DualCli when Privacy header is Set : Require PRACK : Use UA-Profile Event Package for MWI : Special Condition Tone Override Host in From URI after Translation : Set username for CLI unavailable : unavailable ‡ Set username for CLI private : Private number \$ AS Provides Subsequent Ringback : No Ring Alert Info : http://127.0.0.1/No-Ringing NTMMH : Remove Phone Context : Media
 Audio Codec Selection :
 Select Audio Codecs

 Video Codec Selection :
 Select Video Codecs

 Audio PTime Selection :
 Select Audio PTimes
Insert PTimes : None \$ Info Digit Negotiation : 🗹 Codec Change Pivot Allowed : 1 Early Media : Multiple Provision : All Content : InfoDigit : Insert38Desc : Hold Needed Use Network PTime Remove SDP From PRACK Allow Nortel Enterprise Content : Remove SRTP : B179 SES Server 5.2.1

SDD 11/11/2011 Avaya System Verification Te ©2011 Avaya Inc. All Rights Reserved.

Issue	Date	Reason
1.0	11/11/2011	Initial issue

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