

Avaya Solution & Interoperability Test Lab

Application Notes for configuring Datatal AB Flexi with Avaya IP Office Server Edition R10.1 - Issue 1.0

Abstract

These Application Notes describe the configuration steps required for Datatal AB Flexi to interoperate correctly with Avaya IP Office Server Edition R10.1.

Readers should pay attention to **Section 2**, in particular the scope of testing as outlined in **Section 2.1** as well as the observations noted in **Section 2.2**, to ensure that their own use cases are adequately covered by this scope and results.

Information in these Application Notes has been obtained through DevConnect compliance testing and additional technical discussions. Testing was conducted via the DevConnect Program at the Avaya Solution and Interoperability Test Lab.

1. Introduction

These Application Notes describe the configuration steps required for Datatal AB Flexi to interoperate correctly with Avaya IP Office Server Edition R10.1. The Avaya IP Office consists of an IP Office Server Edition running on a virtual platform as the primary server with an IP Office IP500 V2 running as the secondary expansion server. Datatal Flexi platform is an application platform for telephony and unified communication on the Swedish market, and is also used in some other Nordic counties. Flexi platform includes four major products within the same server with shared administration.

- Flexi Tid
- Flexi Presentity
- Flexi CC
- Flexi Wonderphone

Flexi Tid is a call back module that can handle time bookings. Customers call and book a timeslot for when they will be called back. This application is very useful in the healthcare industry where many incoming calls are received from customers concurrently.

Flexi Presentity is a presence and advanced voicemail module, including a mobile application where an end-user can activate absent states, like 'meeting' or 'lunch' and calling customers will receive a voice prompt that the user is busy in lunch, for instance.

Flexi CC is a call center module for customer services or support units. Incoming calls are queued in Flexi server and when an agent is free and available the call will be transferred. Flexi CC can also handle call back, so that calling customers can schedule a call back.

Flexi WonderPhone is a softphone with integrated voicemail, presence and contacts. WonderPhone is a separate platform but shares information with Flexi, i.e., currently making it necessary to also have a Flexi system in order for WonderPhone to function. Both platforms can be installed on the same server.

2. General Test Approach and Test Results

The general test approach was to configure the Flexi server in order to test all three modules. Flexi server utilises both a SIP trunk connection to IP Office in order to route calls and a TAPI connection in order to monitor existing IP Office users. For testing with IP Office Server Edition one SIP trunk was configured connecting the Flexi server to the IP Office Server Edition Primary server. Two TAPI connections are required connecting to two separate Datatal Flexi servers. Each of these connections monitors stations on the IP Office Server Edition and the IP Office IP500 V2 separately.

Flexi Tid makes use of both the SIP trunk and the TAPI connection in order to allow users to dial into a service on Flexi Tid and when the user is free this user can then click to call the customer.

Flexi Presentity makes use of both the SIP trunk and TAPI in order to allow callers route to the Flexi voicemail and the using TAPI to show the status of the IP Office users.

Flexi CC also makes use of both the SIP trunk and TAPI connection, the SIP trunk is used to allow incoming calls queue on the Flexi server and the TAPI connection to determine when an agent is free and available in order to transfer the call.

DevConnect Compliance Testing is conducted jointly by Avaya and DevConnect members. The jointly-defined test plan focuses on exercising APIs and/or standards-based interfaces pertinent to the interoperability of the tested products and their functionalities. DevConnect Compliance Testing is not intended to substitute full product performance or feature testing performed by DevConnect members, nor is it to be construed as an endorsement by Avaya of the suitability or completeness of a DevConnect member's solution.

Avaya recommends our customers implement Avaya solutions using appropriate security and encryption capabilities enabled by our products. The testing referenced in these DevConnect Application Notes included the enablement of supported encryption capabilities in the Avaya products. Readers should consult the appropriate Avaya product documentation for further information regarding security and encryption capabilities supported by those Avaya products.

Support for these security and encryption capabilities in any non-Avaya solution component is the responsibility of each individual vendor. Readers should consult the appropriate vendor-supplied product documentation for more information regarding those products.

For the testing associated with these Application Notes, the interface between Avaya systems and Datatal Flexi did not include use of any specific encryption features as requested by Datatal.

2.1. Interoperability Compliance Testing

During compliance testing a series of test calls were made in order to test all three modules were functioning exactly as they should. See **Figure 1** for a network diagram. The interoperability compliance test focused on functionality tests, the testing included:

- Verification of connectivity between IP Office and Flexi.
- Testing Flexi CC Inbound calls to a skillset on Flexi CC.
- Testing Flexi Presentity Make users absent and divert to voicemail, make inbound calls to that users voicemail.
- Testing Flexi Tid Inbound calls requiring call back, Flexi Tid agents making outbound calls.
- Testing Flexi Wonderphone Making calls to and from the WonderPhone application.
- Testing Flexi Operator making calls to and from the Operator.

2.2. Test Results

Tests were performed to insure full interoperability of Datatal AB Flexi and Avaya IP Office solution. The tests were all functional in nature and performance testing was not included. All the test cases passed successfully. The following observation was noted.

• When sending a divert to an Avaya IP Office 1140 SIP deskphone the display is not updated with the reason for the diversion only with the diversion and diversion number. The Digital and H323 sets were all updated correctly. This is a known issue with Flexi Presentity.

2.3. Support

Technical support from Datatal AB can be obtained through the following General Technical support contact:

Email: support@datatal.se Phone: +46498253030

3. Reference Configuration

Figure 1 illustrates the network topology used during compliance testing. The Avaya solution consists of an IP Office Server Edition running on a virtual platform as the primary server with an IP Office IP500 V2 running as the secondary expansion server. The Datatal Flexi solution has two connections to IP Office, a SIP Trunk connected to the IP Office Server Edition and a Telephony Application Programming Interface (TAPI) connected to both the Server Edition and the IP500V2 which enables Datatal Flexi to control a telephone via IP Office, to act as the Flexi Tid/Contact Center agent.

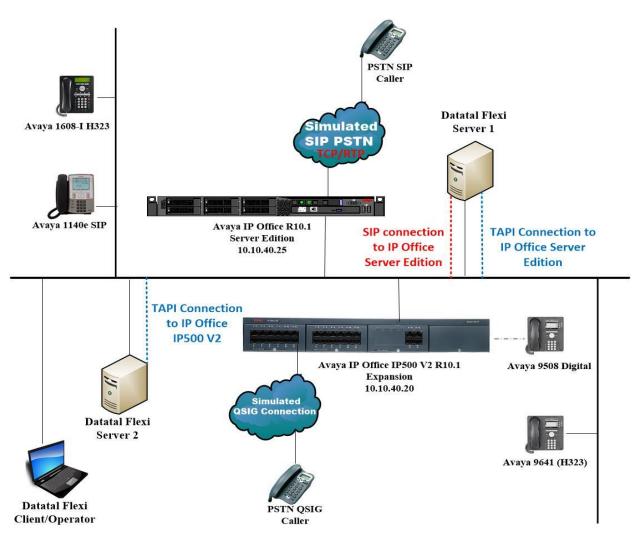


Figure 1: Avaya IP Office and Datatal AB Flexi reference configuration

4. Equipment and Software Validated

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

Equipment/Software	Release/Version
Avaya IP Office Server Edition running on a Virtual Platform	R10.1.0.0 Build 237
Avaya IP Office 500 V2	R10.1.0.0 Build 237
Avaya IP Office Manager running on a Windows 7 PC	R10.1.0.0 Build 237
Avaya 1608-I H323 Deskphone	R1.3.5
Avaya 9641 H323 Deskphone	R6.6115
Avaya 1140e SIP Deskphone	R04.04.28.00
Avaya 9508 Digital Deskphone	V0.6
Datatal Flexi platform running on Microsoft Windows Server 2012 x64 R2	Version 5.12.3

Note: Compliance Testing is applicable when the tested solution is deployed with a standalone IP Office 500 V2 and also when deployed with IP Office Server Edition in all configurations.

5. Avaya IP Office Configuration

The document assumes that Avaya IP Office Server Edition has been installed and configured to work with an IP500 V2 expansion. This section describes the details on how to configure both the IP Office Server Edition (Primary) and IP Office IP500 V2 (Expansion) to work with Datatal Flexi. Configuration and verification operations on the Avaya IP Office illustrated in this section were all performed using Avaya IP Office Manager. For all other provisioning information such as initial installation and configuration, please refer to the product documentation in **Section 9**. The configuration operations described in this section can be summarized as follows:

- Launch Avaya IP Office Manager (Administration)
- Display LAN Properties
- Create SIP Trunk
- Configure Incoming Call Route
- Create Short Code (Call Routing)
- Create User
- Check Extension Properties
- Save Configuration

Note: Only the unique prompts are shown in the screen captures below, all other inputs can be left at default.

5.1. Launch Avaya IP Office Manager (Administration)

From the IP Office Manager PC, click **Start** \rightarrow **Programs** \rightarrow **IP Office** \rightarrow **Manager** to launch the Manager application (not shown). Tick on the Server Edition as shown below and enter the appropriate credentials. Click on the **OK** button.

摿 Select IP Office			
Name IP Address Type	Version Edition		
Server Edition 10.0			
IPOSEPG 10.10.40.25 IPO-Line	x-PC 10.0.0.3.0 build 5 Server (rimary)	
Server Edition Expansion 10.0			
IPO500V2PG 10.10.40.20 IP 500 V2	10.0.0.3.0 build 5 Server ((pansion)	
	(
	Configuration Service	User Login	
	IP Office :	IPOSEPG (Primary System - IPO-Linux-PC)	
	Service User Name	Administrator	
		ord ••••••	
	Service User Passv		
		OK Cancel Help	
TCP Discovery Progress			
	Open with Server Edition M	nager	
Unit/Broadcast Address			
10.10.40.255 • Refresh	J		OK Cancel

Click on **Configuration** at the top right of the page as shown, to receive the IP Office configuration.

E Server Edition	
Summary	Open
Server Edition Primary	Configuration
Hardware Installed Control Unit IPO-Linux-PC Secondary Server: NONE Expansion Systems: 10.10.40.20	System Status Woicemail Administration Resiliency Administration
System identification: ad7eda2t5eb0bdb66b99tc8e123999283ddd6tb0 Serial Number: 005056948621 System Settings	<u>On-boarding</u>
IP Address: 10.10.40.25 Sub-Net Mask: 255.255.255.0 System Locale: Ireland (UK English) Device ID: NONE	P Office Web Manager Help
Number of Extensions on System: 9	Set All Nodes to Select Set All Nodes Licence Source
	Add <u>X Secondary Server</u>
	Secondary Server Expansion System

5.2. Display LAN Properties

From the left window navigate to **System** as shown and in the main window click on the **LAN1** tab and within that tab select the **LAN Settings** tab. The **IP Address** of the IP Office is shown and this will be required for the setup in both **Section 6.1** and **Section 6.2**.

Configuration	System	E IPOSEPG
BOOTP (4) Operator (3) Solution User(30) Shot Code(19) Minimized Directory(0) Time Profile(0) Account Code(0)	Name	System LAN1 LAN2 DNS Voicemail Telephony Directory Services System Event LAN Settings VoIP Network Topology Image: Construct of the service of the serv
User Rights(8) User Rights(8) IPOSEPG System (1)		Number Of DHCP IP Addresses 200 💭 DHCP Mode Server O Client O Disabled Advanced

Within the LAN1 tab, click on the VoIP tab. Ensure that TCP and UDP are ticked and that port 5060 is being used. During compliance testing **RTP-RTCP Keepalives** were set to 30secs.

					IPOSE	PG					0	- 🖻 🗙	✓ <
stem LAN1 LA	N2 DN	S Voice	nail Te	lephony	Directory Se	ervices Sy	stem Events	SMTP	SMDR	VoIP	VoIP Securi	ty Contact Cent	er
AN Settings VoIP		ork Topolog	y										
H323 Gatekeep													
Auto-create Ext	n		Auto	-create Us	er	L	H323 Rem						
H.323 Signalling o	ver TLS	Preferr	ed	-			Remote Call	Signalling	g Port 172	20	4 V		
SIP Trunks Enal	ole												
SIP Registrar En	able												
Auto-create Ext									SIP Rem	iote Ext	tn Enable		
SIP Domain Name		de	vconne	ct.local									
SIP Registrar FQDN	I												
			UDP		UDP Port	5060		Ren	note UDP P	ort 5	5060	A V	
Layer 4 Protocol			TCP		TCP Port	5060	×		note TCP P		5060		
Layer 4 Protocol			TLS		TLS Port	5061	× *		note TLS Po		5061	×	
		_	-		ILS Port	5001		Ken	note TLS Po	ont P	1001	¥	
Challenge Expiry T	ime (secs	10		-									
RTP													
Port Number Ran	ge												
Minimum		40750	-	Maxi	mum	50750	-						
Port Number Ran	ae (NAT)												
Minimum	92 (1011)	40750	* *	Maxi	mum	50750	▲ ▼						
Enable RTCP N	/onitorin	g on Port 50	05										
RTCP collector IP a	ddress fo	r phones				0	. 0 . 0	. 0					
Keepalives													
Scope			RTP-F	RTCP		▼ Period	lic timeout			3	30		
Initial keepalives			_			_							

The **Codec** and **DTMF** settings can be changed under the **VoIP** tab as shown below.

Ξ	IPOSEPG									
System LAN1	LAN2	DNS	Voicemail	Telephony	Directory Services	System Events	SMTP	SMDR	VoIP	VoIP Security
Ignore DTMF N	/lismatch F	or Phone	s 🗸							
Allow Direct M	edia Withi	n NAT Lo	cation 🔲							
RFC2833 Defau	lt Payload		101		▲ ▼					
Available Co	lecs			Codec Selecti	ion					
 ✓ G.711 UL/ ✓ G.711 AL/ ✓ G.722 64K ✓ G.729(a) 8 	AW 64K	LP	Unused	1	>>> 1	Selected G.711 ALAW G.711 ULAW G.722 64K G.729(a) 8K (64K	р		

5.3. Create SIP Trunk

To create the SIP trunk from the IP Office to the Datatal Flexi server, navigate to **System** and right click on **Line** followed by **New** \rightarrow **SIP Line**.

IP Offices	;	Line)	X			
BOOTP (6)		Line Number 주(1	Line Type Analogue	SIP Line	Transport	SIP URI VoIP	T3
IPO91(PG)V	New			•	IP	Office Line	
	Cut		c	trl+X	H3	323 Line	
Control	Сору		C	trl+C	IP	DECT Line	_
User (25	Paste		Ctrl+V			P Line	
🐨 🎆 Group (🗙	Delete		Ctr	l+Del	SIF	P DECT Line	
Short Co	Validate						
💑 RAS (1) 🛹	Connect To.		C	Ctrl+T	I		
	New from Te	emplate (Binary)			I		
- Director	Export as Ter	mplate (Binary)			Prefix		
Time Pr	Show In Gro	ups			onal Pref	ix	
IP Route	Customize C	olumns					

In the subsequent **SIP Line** window, enter the following in the **SIP Line** tab.

- ITSP Domain Name
- Refresh Method
- **REFER and Transfer**

Enter the telephony domain name.

Select **Auto** from the dropdown menu.

Select **Always** both the **Incoming** and **Outgoing** dropdown boxes.

Note: Line number is chosen and defaults were used for the remaining fields.

H	SIP Line - Line	21		- 🗙 🗲	< >
SIP Line Transport SIP URI VoIP SIP	Credentials SIP Advanced Engineering				
Line Number	21	In Service			
ITSP Domain Name	devconnect.local	Check OOS			
Local Domain Name					
URI Type	SIP	Session Timers			
Location	Cloud	Refresh Method	Auto	•	
		Timer (seconds)	On Demand	×	
Prefix					
National Prefix	0				
International Prefix	00				
Country Code		Redirect and Transfer			
Name Priority	System Default	Incoming Supervised REFER	Always	-	
Description		Outgoing Supervised REFER	Always	•	
		Send 302 Moved Temporarily			
		Outgoing Blind REFER			

Click on the **Transport** tab enter the IP address of the Flexi Server in the **ITSP Proxy Address** field. **Layer 4 Protocol** was set to **UDP** and **Port 5060** was used as this will be referenced again in **Section 6.2**.

×		SIP Line - L	_ine 21
SIP Line Transport SIP URI VoIP	SIP Credentials SIP Advance	d Engineering	
ITSP Proxy Address 10.10.40.	120		
Network Configuration			
Layer 4 Protocol	UDP 🔻	Send Port	5060
Use Network Topology Info	None 🔻	Listen Port	5060
Explicit DNS Server(s) 0 Calls Route via Registrar	. 0 . 0 . 0 0	. 0. 0.	0
Separate Registrar			

In the **SIP URI** tab click on the **Add** button.

Ĩ						SIP Li	ne - Line 21				-	🔮 🗙 🖌 < >
SIP Line	e Transpo	rt SIP URI	VoIP SI	Credentials SIP	Advance	d Enginee	ering					
URI	Groups	Local URI	Contact	Display Name	Identity	Header	Originator Number	Send Caller ID	Diversion Header	Credential	Max Calls	Add
												Remove
												Edit

In the subsequent window, enter the following:

- Local URI Enter Auto
- Contact Enter Auto
- Display Name Enter Auto
- Identity Select None from the dropdown menu
- Header Select P Asserted ID from the dropdown menu
- Send Caller Id Select None from the dropdown menu
- Diversion Header Select None from the dropdown menu
- **Incoming Group** Set this to the line **21**
- **Outgoing Group** Set this to the line **21**
- Max Sessions This will be determined by the license for number of SIP trunks available

Click on **OK**, once all is inputted correctly.

Edit URI		0
Local URI	Auto 🗸	Can
Contact	Auto 👻	
Display Name	Auto 👻	
Identity		
Identity	None 🗸	
Header	P Asserted ID 🔹	
- Forwarding And 1 Originator Number		
Send Caller Id	None	
Diversion Header	None	
Registration	0: <none></none>	
Incoming Group	21 🗸	
Outgoing Group	21 🗸	
Max Sessions	10	

Click on the **VoIP** tab and choose the Codec's that are required and compatible. Tick the **Re-invite Supported** box. **DTMF Support** was set to **RFC 2833/RFC4733** for compliance testing but this may differ on a customer site. Click the **OK** button once everything is set correctly (not shown).

III		SIP Line - Line 21	- *
SIP Line Transport SIP L	IRI VoIP	SIP Credentials SIP Advanced Engineering	
Codec Selection	System D	efault ▼ Selected G.711 ALAW 64K G.711 ULAW 64K G.722 64K G.729(a) 8K CS-ACELP -	 Local Hold Music Re-invite Supported Codec Lockdown Allow Direct Media Path Force direct media with phones PRACK/100rel Supported
Fax Transport Support DTMF Support Media Security	None RFC2833/ Disabled	▼ RFC4733 ▼	

For compliance testing the values under the **SIP Advanced** tab were left as default as shown below.

	SIP Li	ine - Line 21		📥 🗕 🛛 🗙 🛛 🗸 🗠 🗧
SIP Line Transport SIP URI VoIP	SIP Credentials SIP Advanced Engine	eering		
Addressing Association Method Call Routing Method Suppress DNS SRV Lookups Identity Use "phone-context" Add user=phone Use + for International	By Source IP address Request URI	•	Media Allow Empty INVITE Send Empty re-INVITE Allow To Tag Change P-Early-Media Support Send SilenceSupp=Off Force Early Direct Media Media Connection Preservation Indicate HOLD	None v Disabled v
Use PAI for Privacy Use Domain for PAI Swap From and PAI/Diversion Caller ID from From header Send From In Clear Cache Auth Credentials User-Agent and Server Headers Send Location Info Add UUI header Add UUI header to redirected calls	 		Call Control Call Initiation Timeout (s) Call Queuing Timeout (m) Service Busy Response on No User Responding Send Action on CAC Location Limit Suppress Q.850 Reason Header Emulate NOTIFY for REFER No REFER if using Diversion	4 5 486 - Busy Here 408-Request Timeout Reject Call

5.4. Configure Incoming Call Route

To configure the Incoming Call Route, navigate to **System** and right click on **Incoming Call Route** followed by **New**.

IP Offices		Incoming	Call			
BOOTP (6) Operator (3)		Line Group ID	Incoming	Standard	Voice Record	ding
		 17 18 20 		Bearer Capability Line Group ID Incoming Number		
Short Code (31)	P.S.			Incoming Sub Address		
RAS (1)	<u>*</u> 1	New		(Ctrl+N	
- 🕞 Incoming Call Route	2	Cut			Ctrl+X	
WAN Port (0) Main Directory (0)		Сору			Ctrl+C	
 Time Profile (0) 		Paste			Ctrl+V	
Firewall Profile (1)	$\boldsymbol{\times}$	Delete		Ct	rl+Del	
IP Route (2)	~	Validate				
🐜 License (33)	≈	Connect To			Ctrl+T	
		Show In Groups	;			
` K ARS (1) i Location (0)		Customize Colu	imns			
Authorization Code (L)					

In the subsequent window, enter the following in the **Standard** tab.

• Line Group ID Enter the Incoming Group number as used in Section 5.3.

Defaults were used for the remaining fields.

XX	21
Standard Voice Recording De	stinations
Bearer Capability	Any Voice 🗸
Line Group ID	21 🗸
Incoming Number	
Incoming Sub Address	
Incoming CLI	
Locale	
Priority	1 - Low 🔻
Tag	
Hold Music Source	System Source 🔻
Ring Tone Override	None 🗸

In the **Destinations** tab, enter a . (full stop/period) in the **Destination** field. Click on the **OK** button.

×××				21			📸 - 🖻 🗙 🖌 < >
St	tandard	Voice Recording	Destinations				
	Т	imeProfile		Destination		Fallback Extension	
	De	fault Value			•		-
						ОК	Cancel Help

5.5. Create Short Code (Call Routing)

A Short Code needs to be configured on the IP Office to route calls to Flexi server. Right click on **Short Code**, and select **New**.

IP Offices		Short Code	×			
👫 BOOTP (6)		Code	*	Short Code		
💮 💯 Operator (3)		9× *67N;				
IPO91(PG)V2Exp		9× 95xxxx		Code		
		9× *33*N#		Feature		
		9× *37*N#				
Extension (39)		9× *38*N#		Telephone N	umber	
User (25)	New			Ctrl+N		
	Cut			Ctrl+X		
RAS (1)	Сору	r	Ctrl+C	Code		
🕒 😳 Incoming Call I 🖺	Paste	2		Ctrl+V	ition Code	
WAN Port (0)	Delet	e	e Ctrl			
Time Profile (0)	Valid	ate				
🕕 🕕 Firewall Profile 🔁	Conr	nect To		Ctrl+T		
IP Route (2)	Show	/ In Groups				
License (33)	Custo	omize Columns				

In the subsequent window, enter the following:

- Code Enter the number range that will be routed to Flexi server (during compliance testing, all numbers beginning with 95 were sent to Flexi server, therefore 95xxxx was entered).
 Feature Select Dial from the drondown menu
- Feature Select Dial from the dropdown menu.
- **Telephone Number** Enter Nss (Nss will send the originating calling parties caller ID).
- **Group Line ID** Enter the Incoming Group number as used in Section 5.4.

Click the **OK** button.

E 95xxxx: Dial									
Short Code									
Code	95хоох								
Feature	Dial								
Telephone Number	Nss								
Line Group ID	21 🔹								
Locale	•								
Force Account Code									
Force Authorization Code									

A short code must be created for the IP500 V2 side as well in order to route calls from the IP500 V2 extensions to the Server Edition and then onto the Datatal Flexi server. Like above a new Short Code is created however this time the full number is sent across to the Server Edition. In the example below **Line Group ID 99999** is used to send calls from the IP500 V2 to the Server Edition. **95** plus the number dialled is sent across ensure that this is then used to activate the Short Code that was configured above on the Server Edition.

	95xxxx: Dial
Short Code	
Code	95ххох
Feature	Dial
Telephone Number	95N
Line Group ID	99999 🗸 🗸
Locale	•
Force Account Code	
Force Authorization Code	

5.6. Create a new User

From the left window, right click on User and select New.

IPOSEPG		NoUser		Confirm		
				Account		
Control						
🛛 🛷 Extension 🛍	New		Ct	rl+N		
User (10)	New User Rig	hts from user				
🐨 🎇 Group (3						
🕬 Short Co 🎽	Cut		C	trl+X		
- 🛞 Service () 📭	Сору	Ctrl+C				
🕞 Incomin 🔤	Dente		Ctrl+V			
- Market Directory	Paste	Ctri+v				
🖳 🕜 Time Pro 🗙	Delete	Ctrl+Del				
📲 IP Route 🏑	Validate					
🔤 Account						
🐜 Licence (New from Template					
User Rigl	Export as Ten	nplate				
K ARS (1)	Show In Grow					
Location	Show In Groups					
Hereiz Herein Hereiz Herein Herein	Customise Columns					

In the User tab add a Name and Password along with the Extension.

×××							5180): 5180				ď	- 🖻 🗙	✔ <	> 🇸
U	lser	Voicemail	DND	Short	tCodes	Source Numbers	Telephony	Forwarding	Dial In	Voice Recording	Button Programming	Menu	Programmir	ng Mobility	→
	Name				5180										*
	Passw	ord			••••										
	Confir	m Password			••••										
	Uniqu	e Identity													
		Conference	PIN												
	Confir	m Audio Cor	oference	PIN											
		nt Status			Enable	d					•				
	Full Na				Datatal										
	Extens				5180										
		Address													E
	Locale									-					
					5										
	Priorit										•				
	System	n Phone Righ	ts		None					•					
	Profile				Basic U	Jser				•	•				
					Rece	eptionist									
					Enal	ble Softphone									
						ble one-X Portal S									
						ble one-X TeleCon									
						ble Remote Worke									
						ble Communicato									
						ble Mobile VoIP Cl	ient								
						d Mobility Email									
-					Web	o Collaboration									
					Excl	ude From Director	у								-

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19 of 47 DTFlexi_IPOSE10 Under the **Voicemail** tab, **Voicemail On** can be selected in order to provide voicemail to this user/extension.

Ξ					5180	5180: 5180						
User	Voicemail	DND	ShortCodes	Source Numbers	Telephony	Forwarding	Dial In	Voice Recording	Button Programming			
Voicen	nail Code		••••					🗸 Voicemail On				
Confirm Voicemail Code								🔲 Voicemail Help				
Voicen	nail Email							Voicemail Ringl	back			
								Voicemail Emai	l Reading			
								UMS Web Servi	ces			
								Enable GMAIL A	\PI			
	mail Email—											
Of	f 🔘 Сору	Fo	orward 🔘 Ale	rt								
DTM	F Breakout —											
Rece	ption / Break	out (DT	TMF 0) S	ystem Default ()			•					
i												
Break	kout (DTMF 2	2)	S	ystem Default ()			•					
i												
Break	kout (DTMF 3	3)	S	ystem Default ()			•					
i												

Under the **Telephony** tab and **Call Settings** tab, **Call Waiting On** can be turned on/off depending on what is required by the user.

 Z								518							
User	Voicer	mail	DND	Short	Codes	Source Num	bers	Telephor	y I	Forwarding	Dial In	Voic	e Recording	Button Programming	
Call S	ettings	Super	visor Se	ttings	Multi-	line Options	Call	Log TUI							
Outs	ide Call	Seque	nce			Default Ring	9					•	🔽 Call Waiting On		
Inside Call Sequence						Default Ring	Default Ring 🗸						Answe	er Call Waiting On Hold	
Ring	back Sec	quence	2			Default Ring	Default Ring 👻						🔲 Busy (Dn Held	
No A	nswer T	ime (s	ecs)			System Defa	System Default (15)						🔲 Offho	ok Station	
Wrap	o-up Tim	ne (sec	s)			2	2								
Transfer Return Time (secs)						Off	Off 🔦								
Call Cost Mark-Up						100									
Adve	ertise Cal	llee Sta	ternal C	Callers	System Default (Off)						•				

Solution & Interoperability Test Lab Application Notes ©2017 Avaya Inc. All Rights Reserved. Under **Supervisor Settings** tab and enter the password again for the **Login Code**. Ensure that **Force Login** is ticked.

12			5180:	0: 5180*						
User Voicemail DND	ShortCodes	Source Numbers	Telephony	Forwarding	Dial In	Voice Recording	Button Programming			
Call Settings Supervisor	Settings Multi-	line Options Cal								
Login Code	••••			V Fo	✓ Force Login					
Confirm Login Code	••••									
Login Idle Period (secs)			Force Account Code							
Monitor Group	<none></none>		- E	Force Authorization Code						
Coverage Group	<none></none>		•	- 🗆 In	Incoming Call Bar					
Status on No-Answer	Logged On (No	change)	•	· 🛛 🔿	Outgoing Call Bar					
				📃 In	hibit Off	-Switch Forward/T	ransfer			
Privacy Override Group	<none></none>			•	🔲 Can Intrude					
Reset Longest Idle Time			Cannot be Intruded							
All Calls			Can Trace Calls							
External Incoming				Deny Auto Intercom Calls						

Once **OK** is ticked at the bottom of the screen a new window should appear asking to create a new extension. Select **SIP Extension** as is shown below.

Note: If the system is not setup to auto-create extensions then a new extension can be added by right-clicking on **Extension** on the left window and selecting **New**, (not shown).

R					<user:0></user:0>	:*			<u> </u>	× ✓ < > ⊿
User	Voicem	ail DND	ShortCodes	Source Numbers	Telephony	Forwarding	Dial In	Voice Recording	Button Programming	Menu Programming
Call	Settings	Supervisor Se	ettings Mult	i-line Options Call	Log TUI					
Lo	gin Code 🦷					🔽 F	orce Logi	'n		
Co	nfirm Logi	Avaya IP O	ffice Manage	r		_				
Lo	gin Idle Per	Would you	like a new VolF	extension created wi	th this number?	? 🗖 F	orce Acco	ount Code		
Mo	onitor Grou					🗖 F	orce Auth	norization Code		
Co	verage Gro	© N	lone			🗖 Ir	ncoming	Call Bar		
Sta	tus on No-	© H	1323 Extension				utgoing	Call Bar		
		S	SIP Extension			🗖 Ir	hibit Off	-Switch Forward/T	ransfer	
-R	eset Longe						an Intrud	le		
	All Calls					v 0	annot be	Intruded		
	External I		(ОК			an Trace	Calls		
									ОК	Cancel Help

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5.7. Check Extension Properties

Once the SIP extension has been successfully created in Section 5.6, open the extension configuration, select **Extension** in the left window and select the required extension number. In the main window 3rd Party Auto Answer must be set to RFC 5373 for the WonderPhone to work properly. Direct Media Path can be set on/off in the extension properties. This will allow RTP to be sent directly between devices. Allow Direct Media Path can be checked or unchecked as shown below. Other settings such as DTMF Support and Codec Selection are possible to change here as well again if required by Datatal.

XXX	SIP Extension: 11201 5180	
Extn VoIP		
IP Address	0 · 0 · 0 · 0	Requires DTMF Local Hold Music
Codec Selection	System Default	👿 Re-invite Supported
	Unused Selected	Codec Lockdown
	>>> G.711 ALAW 64K G.711 ULAW 64K	Allow Direct Media Path
	G.722 64K G.729(a) 8K CS-ACELP	
	↓	
	>>>	
Reserve Licence	None	
Fax Transport Support	None	
DTMF Support	RFC2833/RFC4733	
3rd Party Auto Answer	RFC 5373 🔹	
Media Security	Same as System (Disabled)	

5.8. Configure Forwarding

Forward On Busy and **Forward On No Answer** are configured for one of the IP Office users in order to test Flexi Presentity. To configure forwarding click on the **User** and click on the **Forwarding** tab, and in the **Forwarding Number** field enter the Short Code (as configured in **Section 5.5**) followed by the extension used by this user (example **5201**).

To set **Forward On Busy** and **Forward On No Answer** ensure that both of these fields are ticked as shown below and click the **OK** button.

IP Offices	User	Z				5201: 52	!01*				📸 • 🔛 🗙 🗸 <
BOOTP (6)	Name E ^	User	Voicemail DN	D Short Codes	Source Numbers	Telephony	Forwarding	Dial In V	oice Recording	Button Programming	Menu Programming 4
	2 5201 52								-		
System (1)	2 5202 52										
T Line (12)	2 - 5220 52	Bloc	k Forwarding								
Control Unit (4)	2 −5221 52										
Æ Extension (39)	2 - 5222 52										
User (25)	2 −5250 52	Follo	w Me Number						-		
	2		w we wurnder								
Short Code (31)	2 5252 52										
	5280 52	Form	ard Unconditional								
Incoming Call Route (4)	5281 52										
WAN Port (0)	5282 52	IOV	oicemail								
Directory (0)	1 - 5282 52 1 - 5283 52 [⊞]	Forw	ard Number		955201				-		
 Time Profile (0) 	5284 52	Form	ard Hunt Group C	alle	V						
Firewall Profile (1)	5285 52			.0115							
IP Route (2) Account Code (6)	5286 52	Form	ard Internal Calls		1						
License (33)	- 5287 52										
Tunnel (0)	2-5288 52	Form	ard On Busy		V						
User Rights (8)	5289 52										
🖌 ARS (1)	3535250 35	Forw	ard On No Answe	r	\checkmark						
Location (0)	- 5255550 52	Forw	ard Number		955201				-		
Authorization Code (1)											
	Comdasys230 2: Comdasys231 2:	Forw	ard Internal calls								
	Comdasys231 2:										
	NoUser										
	RemoteMana *									ОК	Cancel Help

5.9. Save Configuration

Once all the configurations have been made it must be saved to IP Office. Click on the **Save** icon at the top of the screen and the following window appears, click on **OK** to commit the changes to memory.

🖌 Avaya IP Office Manager IPO91(P	3)V2Exp [9.1.500.145] [Admin	nistrator(Administrato	or)]	
File Edit View Tools Hel	·			
i 🏖 🗃 🖬 🖬 🖬 🔛 🔺 i	🗸 🛎 🍣 🦢			
IPO91(PG)V2Exp • User	 5201 52)1 -	•	
IP Offices	User	XXX	5201: 5201	📸 - 🔛 🗙 🗸 <
	Name D. ▲ ■ 5201 5; ■ 5202 5; ■ 5221 5; ■ 5221 5; ■ 5221 5; ■ 5225 5; ■ 5225 5; ■ 5252 5; ■ 5282 5; ■ 5282 5; ■ 5282 5; ■ 5282 5; ■ 5282 5; ■ 5283 5; ■ 5285 5; ■ 5285 5; ■ 5285 5; ■ 5285 5; ■ 5285 5; ■ 5285 5; ■ 5285 5; ■ 5285 5; ■ 5285 5; ■ 5285 5; ■ 5285 5; ■ 5285 5; ■ 5285 5; ■ 5285 5; ■ 5285 5; ■ 5285 5; ■ 5285 5; ■ 528;	User Voicema Block Forwardi Follow Me Nur Forward Uncon To Voicemail Forward Nunch Forward Intern Forward Intern Forward On Ne Forward Numb Forward Intern	Save Configuration	Dial In Voice Recording Button Programming Menu Programming

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6. Configure Datatal AB Flexi

Configuration of the Flexi server consists of two specific parts, the SIP trunk and the TAPI connection. The Avaya IP Office TAPI driver is installed and configured on the Flexi server. The SIP Trunk is configured using a web GUI by opening a browser session to the Flexi server.

6.1. Configure Avaya IP Office TAPI

The Avaya IP Office TAPI is required so as to allow certain features of Flexi to interoperate with IP Office. It is implied that the TAPI software is already installed.

Note: Two separate and unique TAPI connections are required one to the IP Office Server Edition and a second to the IP Office IP500 V2 Expansion. The example below shows the connection setup to the IP500 V2.

Note: It is important that the TAPI software installation was run as administrator to ensure that the application receives the correct rights to run.

From the Windows 2012 Server search for "**modem**" and the following window should appear, double click on **Phone and Modem** as shown below.



Select the **Advanced** tab. Once the **Advanced** tap opens, select **Avaya IP Office TAPI2 Service Provider** and click on the **Configure** button.

Phone and Modem
Dialing Rules Modems Advanced
The following telephony providers are installed on this computer:
Providers:
Avaya IP Office TAPI2 Service Provider Microsoft HID Phone TSP TAPI Kemel-Mode Service Provider Unimodem 5 Service Provider
Unimodem 5 Service Provider
Add 🛞 Remove 🚱 Configure
OK Cancel Apply

Note: Enter any appropriate dealing rules in the **Dialing Rules** tab as required (not shown).

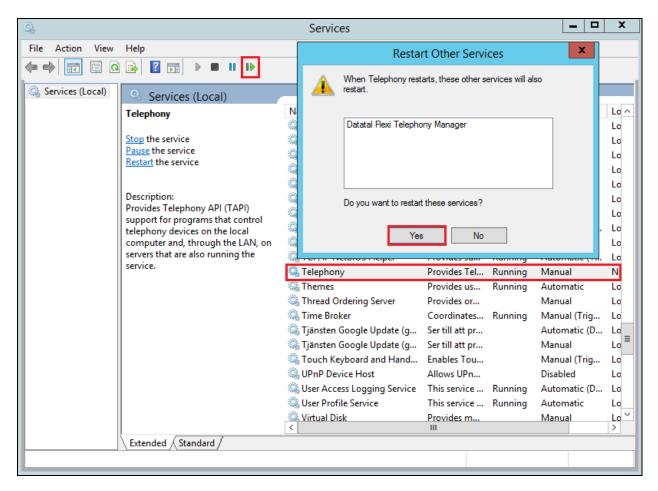
Once the Avaya TAPI2 Configuration window opens, enter the following:

- **Switch IP address** Enter the IP address of the IP Office.
- **Third Party** Click on the Radio button.
- **Switch Password** Enter the password of the IP Office System User.
- ACD Queues Click on the check box.

Click the **OK** button.

3	Phone and Modem		x
Ava	ya TAPI2 configuratior	n x	
Switch IP Address	10.10.40.20		er:
C Single User		Cancel	
User Name			
User Password			
Third Party		_	
Switch Password	******		
	Ex Directory Users		
	 WAV Users ACD Queues 		
	Add 🎯 Ren	nove 🛞 Configur	те
	ОК Са	ancel App	ły

Once TAPI is configured, restart the **Telephony** service, restarting any other service that may need to be restarted also.



Go through these same steps on the other Datatal server connecting to the IP Office Server Edition.

6.2. Configure SIP Trunk

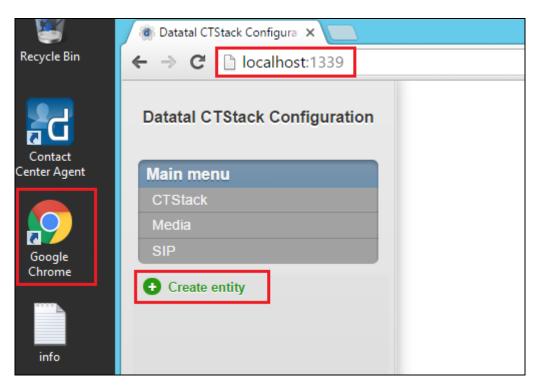
Configuration of the Flexi server is achieved using a web interface. After logging on to the Flexi server, browse to **localhost:1339** using Internet Explorer 10 or higher, Mozilla Firefox or Google Chrome web browsers. The following configuration steps were carried out during compliance testing:

- Configure entity for Avaya IP Office
- Configure Media
- Configure SIP
- Configure Telephony

Note: It is implied that the Flexi server is pre-configured including any Licence requirements. Configuration of Flexi Presentity, Flexi CallCenter agents and Flexi Tid agents is outside the scope of these Application Notes.

6.2.1. Configure entity for Avaya IP Office

Once the web page opens, select **Create entity**.



Once the new frame opens enter an informative name in the **Name of the entity** box, **Avaya IP Office** was used during compliance testing. Click the **OK** button to save.

🐞 Datatal CTStack Configura 🗙 📃				x
← → C 🗋 localhost:1339			En 🔶	≡
Datatal CTStack Configuration	A	Sidan på localhost:1339 säger:		^
Main menu		Avaya IP Office		
CTStack Media SIP	-	OK Avbryt	•	
+ Create entity				
		CTP udio		
		Send silent RTP frames:		

6.2.2. Configure Media

The following were set for **Media** for compliance testing.

Datatal CTStack Configuration	Avaya IP Office -	Media
Main menu CTStack	Codec RTP	
Media SIP	Default RTP codec:	PCMA
Avaya IP Office 🛛 🗴		
→ Media SIP	RTP Audio	
Telephony Create entity	Send silent RTP frames:	© <
	SDP	
	Media	
	OnHold attribute:	© inactive •
	ptime:	20 •

6.2.3. Configure SIP

After the entity is created, the SIP configuration is required. Select **SIP** for the IP Office configured in **Section 5**.

Datatal CTStack Configuration	Avaya IP Office - SIP		
Main menu	Dialogs		
CTStack	Dialogs		
Media SIP	Always create early dialogs:		
Avaya IP Office ×	Retry-After 4xx:	25	
Media	Use OPTIONS for keep-alive:	0	
→ SIP Telephony	Inbound		
Create entity	Use Flexi TID ListenExtension:	0	
	Outbound		
	'Privacy' header value:	none	
	Set 'Diversion' header on MakeCall:	e •	
	Set 'History-Info' header on MakeCall:	0	
	Use 'P-Asserted-Identity':	2	
	Transfer		
Commit Revert	Hangup leg A on supervised 180/183:	e •	Activate Windows
datatal ab	Hangup leg A on supervised 200:	0	Go to System in Control Panel to activate- Windows.
ualalarau			

On the **SIP** page (**Transfer** section) configure the following:

- Park other calls on MakeCall
- Play 'ring' at other calls on MakeCall

Uncheck the check box Check the check box

Default values were used for the remaining fields.

Datatal CTStack Configuration	Transfer		
	Hangup leg A on supervised 180/183:	₽ ⊻	
Main menu CTStack	Hangup leg A on supervised 200:	€ □	
Media SIP	Park other calls on MakeCall:	0	
Avaya IP Office ×	Play 'ring' at other calls on MakeCall:	@ ⊻	
Media	Terminate local call transfer on INVITE:	e =	
→ SIP Telephony	Treat BYE as transfer success:	€ □	
Create entity	Use 'Remote-Target' in 'Refer-To':	€ ⊻	
	Wait for park complete on MakeCall:	€ ⊻	
	Registrations Users		
	Registrations:	0	
Commit Revert			Activate Windows Gp to System in Control Panel to activate Windows.
datatal ab		L	

Scroll down to **Dialogs** using the vertical scroll bar on the right side of the page to the **SIP** section and check the **Use 'from' header** check box, and select **UDP** from the **Transport** dropdown box. Defaults were used for the remaining fields. Click on the **Commit** button. When the **Commit** dialog window opens click on **Commit changes now** button (not shown).

Avaya IP Office 🛛 🕅	Wait for park complete on Mak	keCall: 🔞 🗷
Media		
→ SIP Telephony	Registrations Users	
Create entity	Registrations:	
	SIP Dialogs	
	Use 'From' header:	0 ×
	RFC 3325	
	P-*-Identity mode:	0 Both
1 change(s) pending	-	
Commit Revert	Transport Transport:	O UDP T

6.2.4. Configure Telephony

To configure Telephony, click on **Telephony** for the IP Office configured in **Section 5**. Configure the following:

• Lines

•

- Address
- Enter the number of SIP lines that Flexi is licensed for. Enter the Flexi queue number (5250 was used during compliance testing).
- Enter the telephony domain as per Section 5.2.
- **Default SIP URI host** Enter t
- Default SIP URI port

Default Domain

• Name

- Enter the IP address of the IP Office as per Section 5.2. Enter the UDP port number configured in Section 5.2.
- Enter an informative name for the Flexi Server (e.g., **DevConnect**).

Datatal CTStack Configuration	Avaya IP Office - Tel	lephony
Main menu CTStack	Line configuration Standard	
Media SIP	BlindCall source mode:	All •
Avaya IP Office 🔹	Description:	© string
Media SIP	INVITE expires:	25
→ Telephony	Lines:	10
Create entity		
	SIP Address	
	Address:	6 2250
	Default domain:	@ devconnect.local
	Default SIP URI host:	0 10.10.40.25
	Default SIP URI port:	5060
	Name:	DevConnect

Scroll down to the **Profile** section and enter the following:

- Apply Select Avaya IPO (Trunk) from the dropdown box.
- **Trunk Mode** Check the check box.

Defaults were used for the remaining fields. Click on the **Commit** button. When the **Commit** dialog window opens click on **Commit changes now** button (not shown).

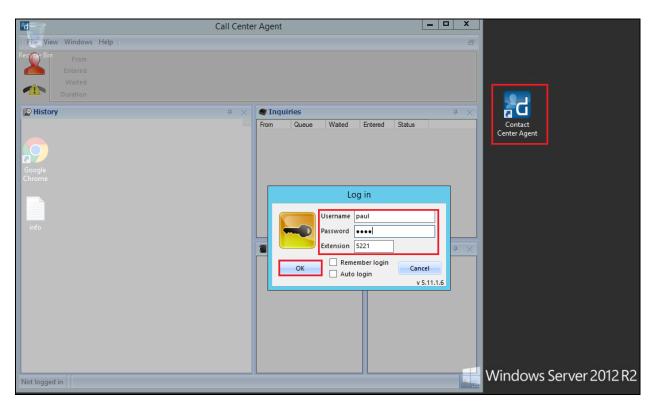
Datatal CTStack Configuration			
	Description:	0	string
Main menu	INVITE expires:	0	25
CTStack			
Media	Lines:	8	10
SIP			
Avaya IP Office ×			
Media	SIP		
SIP	Address		
→ Telephony	Address:	0	5250
Create entity	Default domain:	8	devconnect.local
	Default SIP URI host:	8	10.10.40.25
	Default SIP URI port:	8	5060
	Name:	0	DevConnect
	Profile		
	Apply:	8	Avaya IPO (trunk)
	Current:	0	None
1 change(s) pending			
	Trunk		Acrivat
Commit Revert	Trunk mode:	0	Go to Sys
datatal ab		_	Win <mark>dows</mark>

7. Verification Steps

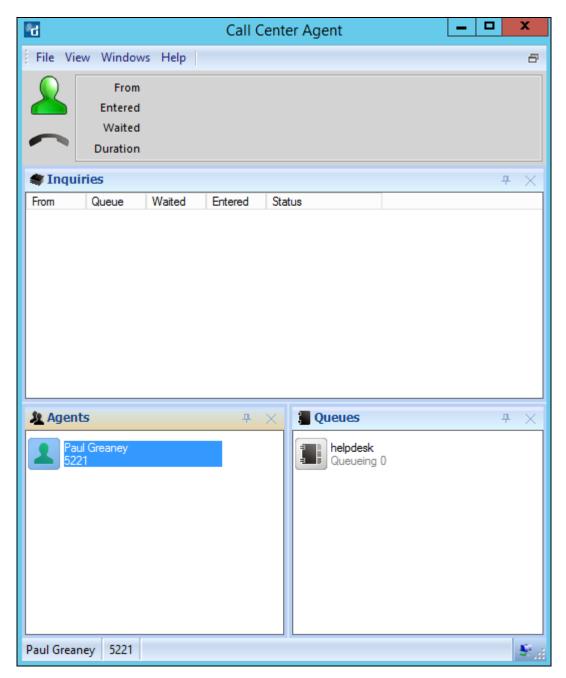
This section provides the tests that can be performed to verify correct configuration of the Avaya IP Office and Datatal AB Flexi.

7.1. Verify Flexi CC

Using the shortcut on the desktop open **Contact Center Agent**, enter the appropriate credentials and click on **OK**.



Once logged in the following screen shows the status of the agent and the queue associated with the agent.



Make a call to the Flexi CC queue. The agent's status has now changed and a call is seen incoming to the queue and **Transferring** to the agent who is free to take the call.

* d			Call C	enter Agent		_		x
File Vi	ew Window	s Help						8
	From Entered	5201 2:20:24 PN	И					
2		00:00:13 00:00:00					1	6
💐 Inqu	iries						,	×
From Mine	Queue	Waited	Entered	Status				
5201	helpdesk	00:00:13	14:20:25	Transferring				
					I			
				_				
🏦 Ager				🔀 📲 Queue	5		– –	×
Re	ul Greaney equesting trans 21	fer		Rueu	lesk jeing 1			
	1 1							
Paul Grea	ney 5221							\$ 1

Once the call is answered this is reflected on the desktop as shown below.

°d			Call C	enter Agent		- D X	C
File View \	Windows	: Help					8
	From	5201					
ء 💋	intered	2:20:24 PN	1				
	Waited	00:00:16				6	
🖊 🔶 Di	uration	00:00:45				4	\geq
😻 Inquiries						. ዋ ()	×
	eue	Waited	Entered	Status			
Mine							-
🙃 5201 he	pdesk	00:00:16	14:20:25	Being handled			
Agents				🔀 📲 Queues		 	×
Paul Gre Working 5221	aney with inqu	iry		helpdesk Queueing	J O		
JEC 1							

7.2. Verify Flexi Tid

Open a web session to Flexi Tid. Enter the appropriate credentials and click on **OK** to log in.

← → C □ localhost/tid/main/login.php	
	Login
	Login: paul
	Password: ••••
	OK Help Forgot password

Log in to the correct extension and queue and click on **OK**.

← → C [] localhost/tid/main/login_select_qu	eue.php?flush=true
	Choose what destination to login to
	Destination: Healthcare station T
	Extension: 5221
	ОК

The following screen is displayed once logged in correctly.

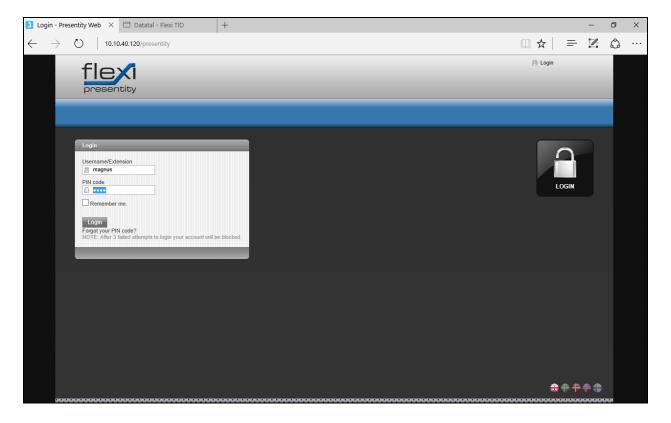
Healthcare station paul (5221) Call list Show call history	Messages 0 Watchi	iist O		14:23 () flexi Book Admin Logout Help
	Operators 1(2)	Todays boo Bookings 0 (206)	okings ^{Date} Wednesday 13 January	

Make a call to the Flexi Tid queue number and request a call back. The following screen is then updated to show that a new call is ready for call back. By clicking on **Call** the phone call to the **Phonenumber** is initiated. Ensure the agent desk phone and called number is connected.

Healthcare station paul (5221) Call list	Show call history	Messages	0	Watchlist	0						_	:24	Admin	fle	Help
		Opera 1(В	days ookings (205)	boo	kings Wednesd	Date ay 13 Ja	anuary						
			'ime 4:25	Phonenumber 5201	SSN	Note	Bookings Change	Sign	0 &	riginated 14:24	Count				

7.3. Verify Flexi Presentity

Open a web browser and navigate to the Flexi Presentity server as shown below http://<server>/presentity. Enter the appropriate credentials and click on **Login**.



Once logged in the extension can be diverted as shown below. The extension **5151** is diverted to voicemail from **11:15** on the 8^{th} of November to **11:15** on the 9^{th} of November.

flexi presentity	Business trip, återkommer imorgon 11:15 🗙 🗙
DIVERT CALLS COLLEAGUES	SETTINGS ADD-ONS
User to divert Magnus Backstrom (5151) ─ ✓	
Divert	Hotkeys
Magnus Backstrom (5151)	Lunch
Diversion Business trip	
From 11 15 V 2017-11-08	
To 11 15 15 15 2017-11-09	
Divert to voicemail	
Active interceptions	
Diversion From Unti Business trip Idag 12:15 Imorgon	
Future Interceptions Diversion From	

7.4. Verify Flexi Operator

Open Flexi Operator from the client PC as shown below, enter the appropriate credentials and the correct **Server address** and click on **Login**.

The Operator		2	-	×
d Login				
	Username			
	magnus			
	Password			
	••••			
	Server address <u>Advanced</u>			
	10.10.40.120			
	Use secure connection			
	Login			

Upon login the following screen is shown.

					2	- 🗆 X
HGSE 0					^	11:10 Wed 08 Nov
Dial (#) Park (P) Transfer (*)	A	-			B	 Dial P Park Transfer
Search name/number/other	+) م					2
Diversion	Last contact	Name	Extension	Titel	Ort	Avdeli
		Magnus Backstrom		Support manager		Suppo

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A call from 7100 is presented to the operator as shown, the answer button can be pressed to answer the call.

					2	- 🗆 ×
HGSE 1					٤.	11:11 Wed 08 Nov
Answer S Park P Transfer (*)	A	.			B	 Dial Park Transfer
Search name/number/other	() م					
Diversion	Last contact	Name	Extension	Titel	Ort	Avdel
⇒						Suppo

Once the call is answered it can be transferred or hung up as required.

					2 -	- 🗆 X
HGSE 0					٤.	11:11 Wed 08 Nov
Hangup 💿 HGSE Park (P) Transfer (*)	A	(222)				 Dial Park Transfer
Search name/number/other) م					
A Diversion	Last contact	Name	Extension	Titel	Ort	Avdeli
<i>د</i>						Suppo
		Test in 500v2 Test				
						≧ ∿≁
					6	

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7.5. Verify Flexi Wonderphone

Open the **WonderPhone** application and enter the appropriate credentials and click on **Log on**.

TEST				×
••••				×
10.10.40.122				×
	Log on Forgot password?			
	••••	•••• 10.10.40.122 Log on Forgot password?	•••• 10.10.40.122 Log on	•••• 10.10.40.122 Log on Forgot password?

Once logged in the ! icon can be pressed and this will show the status of the connection as shown below.

🕼 WonderPhone - Basic 🦳 🗆	×
Test in 500v2 Test Available	
	• WonderPhone health
≡ © ≠ ≕ 🚨 🗠 💷 ↓	Audio devices
	 Remote Audio (Output-device)
Erik Kalstrom	 Remote Audio (Input-device)
	Could not get any Ringer-devi
Magnus Backstrom	
	Connections
Paul Greaney	 Monitors
test Digital test	Z

PG; Reviewed: SPOC 12/6/2017 Solution & Interoperability Test Lab Application Notes ©2017 Avaya Inc. All Rights Reserved. 44 of 47 DTFlexi_IPOSE10 A call can be made to **5151** as shown below.

🕼 WonderPhone - Basic - 🗆 🛇					×			
	Test in 500v2 Test Available			₩ 0				
	0	P			Ċ	0.0	J.	
5151								×
×.	Magnu Call 515	us Back 1	strom					¥2
2	Magnu	us Back	strom					₫

A second window is opened showing the **Active calls**.

🕼 WonderPhone - Basic	- 🗆	\times	
Test in 500v2 Test In a call		₩ •	
	-> 🔟 🏹	۹	Active calls Magnus Backstrom 5151
Erik Kalstrom		Ŧ	
Magnus Backstrom In a call		Z	Magnus Backstrom (5151
Paul Greaney		₫	00:1
test Digital test		₫	

8. Conclusion

These Application Notes describe the required configuration steps necessary Datatal AB Flexi to interoperate with Avaya IP Office Server Edition R10.1. All test cases passed successfully with observations noted in **Section 2.2**.

9. Additional References

This section references the Avaya and Datatal AB product documentation that are relevant to these Application Notes.

Product documentation for Avaya products may be found at http://support.avaya.com

- [1] Avaya IP Office R10.0 Manager 10.0, Document Number 15-601011
- [2] Avaya IP Office R10.0 Doc library

Product documentation for Flexi can be obtained from Datatal AB at: http://www.datatal.se

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