



Cisco BroadWorks BLF list 配置手册



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一、前言

1. 功能介绍

BLF 是一种通过在某话机上预先配置空闲指示灯来监视其他分机号状态的功能,被配置的指示灯将实时随着被监控分机号的状态而改变,该指示灯会根据被监视号码的工作状态呈现不同的状态,一般包括:

指示灯状态	对应分机号状态
绿色常亮	空闲
红色常亮	忙线中
红色闪烁	有来电并正在振铃中

BLF一般只能设置一个被监控号码,BLF List 则能设置多个号码,我们可以在一台话机上使用 BLF List 同时监控多个号码,BLF List 比之 BLF 更加方便好用,大大提高了监控者的工作效率。

二、配置流程





三、配置操作

1、配置 Cisco BroadWorks

①登录 Cisco BroadWorks

操作步骤:浏览器输入 Cisco BroadWorks 地址--》输入 User ID(用户名)及 Password(密码)--》 点击 Login(登录)--》登陆成功--》进入需要使用的线路对应用户界面。

cisco

User ID Password U Remember Password	2 Login	
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Enterprise		Welcome [Logout
Enterprise Options: Profile Resources Services Call Center Communication Barring Meet-Me Conferencing Utilities	Profile Basic Groups Add, modify, or remove groups. Users Display all users in the enterprise. Service Instances Display all service instances in the enterprise. Profile Display or modify profile information. Change Password Change your password. Add, modify, or remove departments. Schedules Add, modify, or remove schedules.	Advanced Activation Code Device Onboarding Policies Configure service provider/enterprise level Activation Code Device Onboarding Policies. Call Processing Policies Configure service provider/enterprise level Dial Plan Policy Voice VPN Manage the enterprise virtual private network. Virtual On-Net Enterprise Extensions Manage Virtual On-Net Users. Dialable Caller ID Automatically prepend digits to the incoming caller ID of public calls so the caller ID is presented in dialable format.
	Add, modify, or remove schedules.	STIR-SHAKEN Configure STIR-SHAKEN signing, tagging, and verification.

图 1 登录进入 Cisco BroadWroks

图 2 登录成功



Enterprise > Flying_voice_gro	u <u>p1</u> > <u>Users</u> : 9725983509@iop1as	.tekvizion.com	Welcome	[Logout]
Options: Profile Incoming Calls Outgoing Calls Call Control Calling Plans Messaging Communication Barring Utilities	Profile Basic Profile Display and configure profile informatic addresses Addresses Addresses allows you to view and mai identities that are used to make and re Announcement Repository Manage the announcements for a use Passwords Set web access and portal passwords Schedules Add, modify, or remove schedules.	按照该路径进入用/ on such as your name, department and intain your phone numbers and other ceive calls. r	Advanced Assign Services Assign or unassign services and service packs. Assign or unassign services and service packs. Assign a Xsi Policy Profile Assign a Xsi Policy Profile for a user. Call Application Policies Select Call Control Applications enabled for a user. Call Policies Configure user Call Policies Canfigure user Call Policies Configure user-level Call Processing Policies Configure user-level Call Processing Policies Configure user-level Call Processing Policies Configure user Interving Authorization Codes for a user. Device Policies Configure user Device Policies.	

图 3 进入用户界面

②分配所需服务

为监控者的分机号分配服务。

操作步骤: Assign Service--》选择所需功能(Busy Lamp Filed 和 Diereted Call Pickup)--》 Add--》所需功能出现在右侧方框--》Apply。

Options:	Profile					
 Profile Incoming Calls Outgoing Calls Call Control Calling Plans Messaging Communication Barring Utilities 	Basic Profile Display and configure profile information such as your name, department and address. Addresses Addresses allows you to view and maintain your phone numbers and other identities that are used to make and receive calls. Announcement Repository Manage the announcements for a user Passwords Set web access and portal passwords. Schedules Add, modify, or remove schedules.	Advanced Assign Services Assign or unassign services and service packs. Assign Xsi Policy Profile Assign a Xsi policy profile for a user. Call Application Policies Select Call Control Applications enabled for a user. Call Policies Call Processing Policies Configure user Call Policies Configure user-level Call Processing Policies Configure Communication Barring Authorization Codes Configure User Device Policies.				

图 4 分配服务(一)



Assign Services

Assign Services allows you to assign or unassign services and service packs for a user. If a service or service pack is unassigned the service data that has been filled out will be lost.



图 5 分配服务(二)

③配置 BLF list

操作步骤:

点击 Client Application--》Busy Lamp Field--》自定义一个 List URI,该 URI 可随意定制,但必须是唯一的(重要内容,请做记录)--》点击 Search--》出现全部可被监控的分机号,选中--》点击 Add--》已选中分机号出现在右侧 Monitored User 中--》点击 Apply。

Enterprise > Flvir	a voice o	aroup1 > Users	: 9725983508@iop	1as.tekvizion.com
<u>Interprise</u> × <u>Fryn</u>	g_voice_	<u>group i > 03613</u>	. 0120000000000000	183.161/121011.00111

incoming calls Advanced	
Outgoing Calls None of the menu items in this category a	re enabled.
Call Control Allows monitoring user phone status via a SIP Attendant Console Phone	
Caling Plans	
Client Applications	
Messaging	
Communication Barring	
Utilities	
图 6	



Busy Lamp Field

Busy Lamp Field allows you to create a list of users to monitor via your SIP Attendant Console Phone and assign a SIP URI to the list.

OK Apply Cancel		
List URI: sip: myBLFlist D Enable Call Park notification	@ iop1as.tekvizion.com ✓	
Enter search criteria below		2
User ID V Starts With V		+ Search
3 Available Users		Monitored Users
9725983500,9725983500 (9725983500@iop1as.tekvizion.com) Cerruto,Paulo (9725983501@iop1as.tekvizion.com) Cerruto,Paulo (9725983502@iop1as.tekvizion.com) Guðmundsdóttir,Björk (9725983502@iop1as.tekvizion.com) gwertyuiopqwertyuiopq.gwertyuiopqwertyuiopqwertyuiop wertyiopqwertyuiopqwertyuiop,qwertyuiopqwertyuiopqwertyuiop Jser12,Flying_voice (9725983525@iop1as.tekvizion.com) Jser13,Flying_voice (9725983527@iop1as.tekvizion.com) Jser5,Flying_voice (9725983529@iop1as.tekvizion.com) Jser6,Flying_voice (9725983505@iop1as.tekvizion.com) Jser6,Flying_voice (9725983505@iop1as.tekvizion.com)	(9725983503@iop1as.tekvizion.com)	All >> ove All

图 7 配置 BLF list(二)

2、配置 IP 话机

监控者的话机需要做该配置。

①配置 BLF list

操作步骤: VoIP--》账号 x--》填写 BLF List URI (之前在 Cisco Broadworks 上设置的)-》保 存并应用。

FLYINGVOICE						
状态 网络 无线 🔽	oIP 电话 管理					
账号1 账号2 SIP设置	量 VoIP QoS 响铃					
常规						
注册状态						
注册状态 注册成功						
图 8 话机配置 BLF list(一)						



SIP 加密方式	禁止 ∨	RTP 加密方式	禁止 🗸					
SRTP	禁止 🗸	SRTP加密模式	AES_CM & ARIA_CM ∽					
国家码		移除国家码使能	禁止~					
Tel URL	禁止 🗸	使用随机SIP端口	开启					
最小随机SIP端口	50000	最大随机SIP端口	60000					
3 选主服务器	[禁止 ✔]	呼叫保持Inactive属性使能	禁止~					
BLF List URI	myBLFlist@iop1as.tek	BLF List 截答特征码						
BLF List 驻留特征码		BLF List 取回截答码						
去除所有绑定	禁止 🗸	SIP 100REL 使能	禁止 🗸					
会议类型	网络会议 🖌	会议 URI	conference@iop1as.te					
VAD&CNG	禁止 🗸	区别振铃	禁止 🗸					
Alert Info Tone	禁止 🗸	Share Line Enable	禁止~					
图 9 话机配置 BLF list(二)								

②配置账号键

飞音话机的指示灯即是账号键,因此配置指示灯需要配置账号键。

操作步骤:

电话--》账号键--》选择对应的账号键--》类型选择 BLF list--》账号选择监控者分机号所在 线路--》保存。

FLYÍNGVOICE							当超级管			
丬	芯 网络	无线	VoIP	电话	管理					
首	自选项 可经	扁程按键	账号键	数图	电话本	电话录音	通话日志	Action URL	页面拨号	组播地址
ī	可编程功能级	Ľ								帮助
	按键	类型	붣	账号		值		标签	分机号	你可以香
	账号键1	账号	~	账号1	~					拨号键,
	账号键2	BLF List	~	账号1	~					事件来来
	账号键3	BLF List	~	账号1	~					● 「「「」」 根据不同
	账号键4	一账号	♥]	账号4	~					键的功能
	账号键5	账号	~	账号5	~]	101000000000000000000000000000000000000
	账号键6	账号	~	账号6	~					
	账号键7	账号	~	账号7	~					
	账号键8	账号	~	账号8	~					
	账号键9	空	~		~					
	账号键10	空	~		~					
	账号键11	空	~		~					

图 10 配置账号键



四、检验结果

配置成功后,话机界面如下所示:

☎ 7259	983508	3	14:50		
		9	72598 🕿		
		J	oe Na 💄		
		FI	ying_v 🧕	Concession in the	
话单	通讯录	DND	菜单		

图 11 配置成功

使用 3 个号码测试 BLF 1ist, 监控者 3508, 被监控者 1 3507, 被监控者 2 3509。 测试步骤:

1. 3507 拨打 3509, 3509 振铃,此时 3508 应显示如下(3509 对应指示灯红色闪烁, 3507 对应指示灯红色常亮):



图 12 3509 振铃

2. 3509 接通,此时 3508 应显示如下(3507,3509 对应指示灯红色常亮):



∰¥725983508			3	口15 07	
			97	72598 🕿	
			Jo	oe Na. 💄	
			FI	ying_v. 👤	
	话单	通讯录	DND	菜单	
				5.5	

https://www.flyingvoice.cn

图 13 3509 和 3507 通话中