Yealink

Yealink IP Phones Deployment Guide For BroadWorks Environments

Version 1.3

Sep 2012

Table of Contents

Changes from Previous Versions

Changes from V1.1

Major updates have occurred to the following sections:

- Busy Lamp Field (BLF) List on page 35
- Shared Call Appearance on page 39
- Feature Synchronization on page 47
- Phonebook on page 55

Changes from V1.2

Major updates have occurred to the following sections:

- Busy Lamp Field (BLF) List on page 35

Introduction

This document describes the BroadWorks device management interface and introduces how to deploy the Yealink IP phones for the administrator using the BroadWorks device management interface. In addition, the document provides the detail instructions for the following BroadWorks integrated features.

- Busy Lamp Field (BLF) List
- Shared Call Appearance(SCA)
- Feature Key Synchronization
- Automatic Call Distribution (ACD)
- Network Conference
- Phonebook
- Call Log

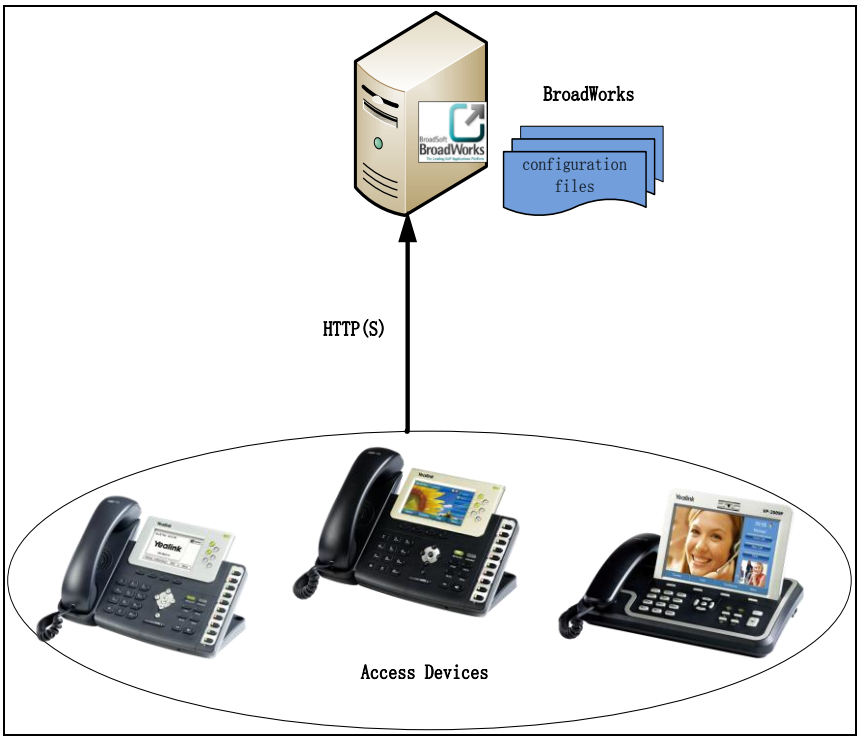
The features above apply to Yealink IP phones running software V70 or higher.

Note The configurations described in this document take the Yealink SIP-T28P IP phone as an example.

BroadWorks Device Management

Overview

The BroadWorks Device Management is a comprehensive solution for simplifying the integration, deployment, and maintenance of access devices in your network. Access devices connect to BroadWorks to download the configuration files, firmware, and other file resources required to deliver services. The administrator can manage and control all aspects of device configuration centrally in the network.



Key Concepts

To use Device Management, it is important to first understand a few key concepts and how they apply to the BroadWorks server.

BroadWorks uses the following three key concepts for delivering services and managing devices:

- The Device Profile Type
- The Device Profile
- The Use

Device Profile Type:

When a new type of device is added to the network, a new device profile type should

be created on BroadWorks to manage that type of device. Only the system administrator can add, modify and delete the device profile type.

Device Profile:

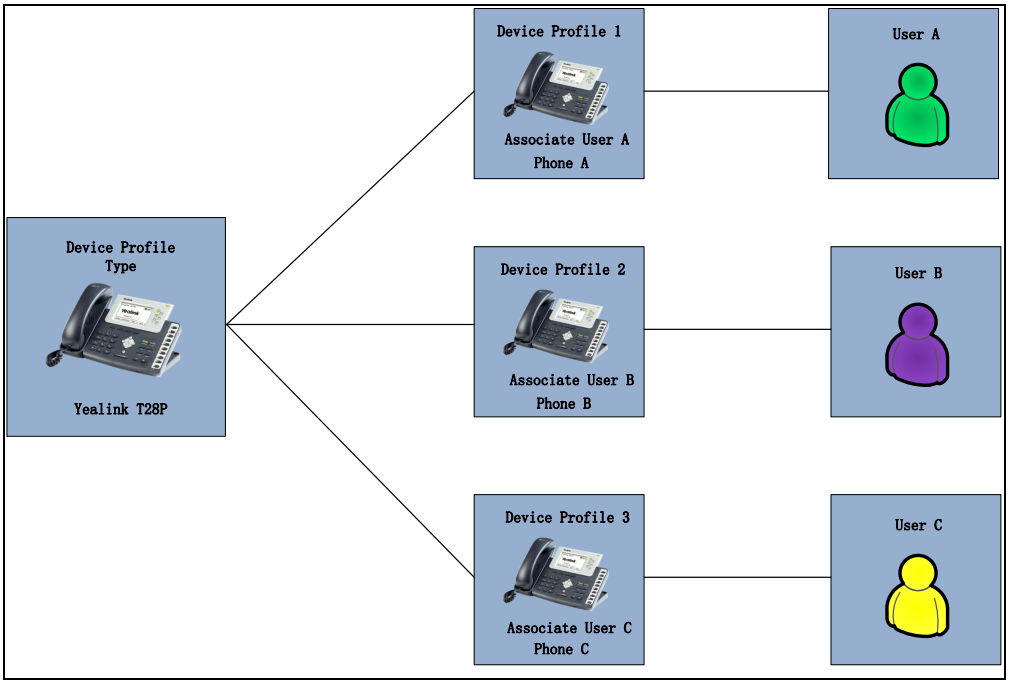
When a new device is added to the network, a new device profile should be created on BroadWorks to manage that device. The device profile should be created from a given device profile type. This gives the device profile a predefined set of settings that are consistent with other devices of the same type in the network.

For more information on device profile type and device profile, refer to Creating Device Profile Type on page 10.

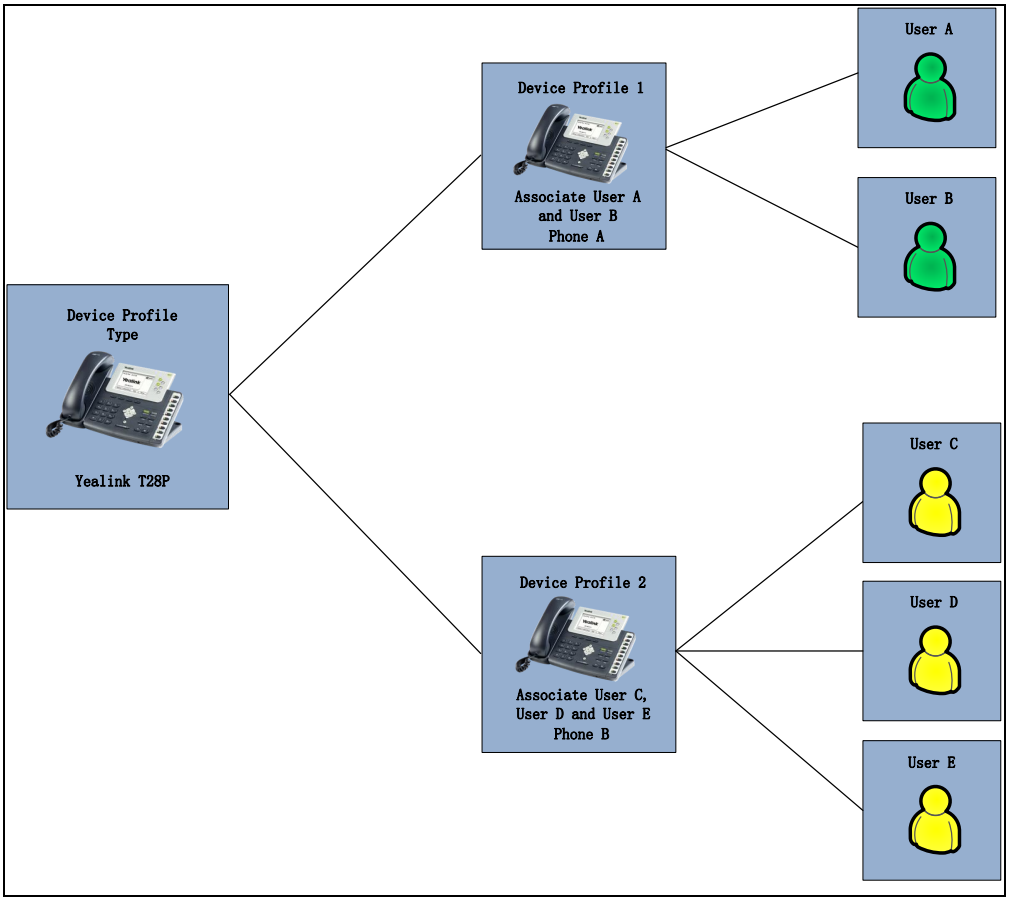
User:

The administrator can assign a device profile to one user or multiple users. The number of ports attributes in the device profile type allows BroadWorks to control the maximum number of users who can be associated with a given device profile.

The following figure shows one user per phone device relationship:



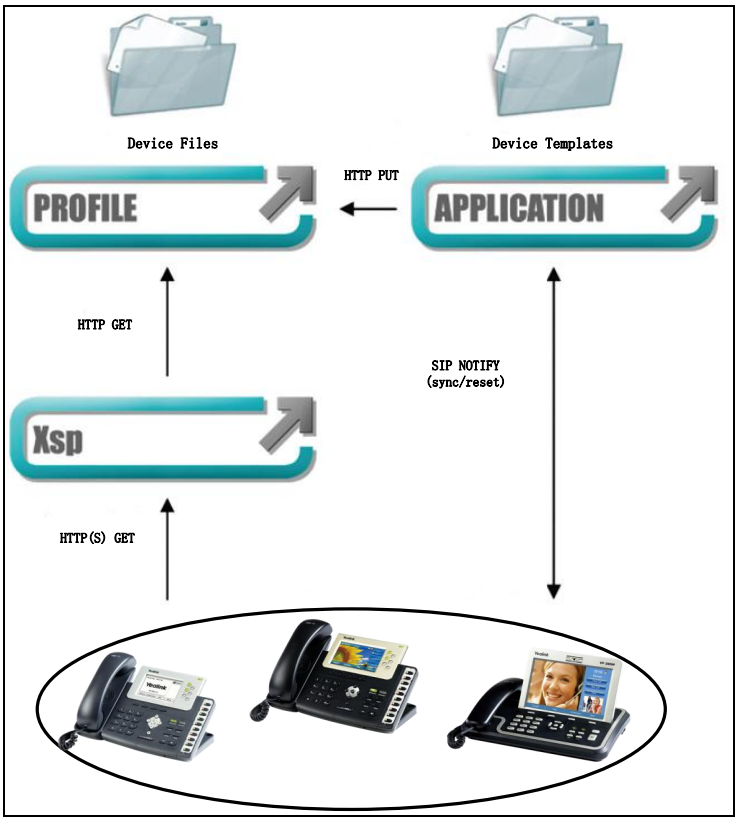
The following figure shows multiple users per phone device relationship:



Network Architecture

The device management functionality is fully integrated into the BroadWorks platform. The Xtended Services Platform (XSP) hosts the access URL and authenticates all request made by the device. Once authenticated, the XSP will request the configuration files from the Profile server and download them to the device over HTTP(S).

The BroadWorks Application server supports ongoing device management by generating notifications to trigger the end device to synchronize its settings, and to provide inventory control of devices in the field.



Configuring Device Management on BroadWorks

This chapter provides detail instructions for using tags and creating template configuration files for integrating with the BroadWorks device management feature.

If you have the privilege of system administrator, you can continue to read this section. If you have the privilege of group administrator, you should skip to the next section Login BroadWorks as Group Administrator on page 23.

Login BroadWorks as System Administrator

Customizing BroadWorks Tags

The BroadWorks Device Management feature makes use of tags, which replace actual parameter values in template configuration files. Tags are identified by a keyword starting and ending with the % character (e.g. %BWMACADDRESS%). A tag name is case-sensitive.

There are two types of tags:

- Dynamic Built-in Tags: These tags are predefined by BroadWorks. The value of each built-in tag is dynamically evaluated based on the context of the device profile. A built-in tag for one device evaluates differently from a built-in tag for another device. All built-in tags are prefixed with "BW".

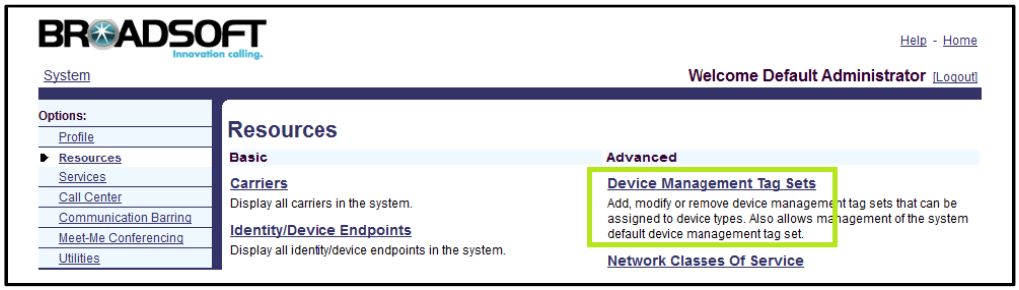
  For more information on dynamic built-in tags, refer to the BroadSoft Device Management Configuration Guide [1].

- Static Tags: These tags are defined by the administrator. The value of each static tag is assigned by the administrator. For example, system default tags and device type specific tags.

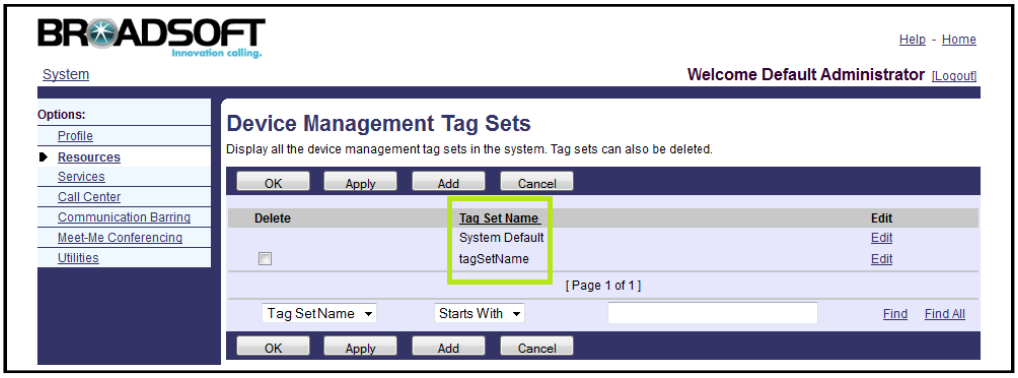
Creating System Default Tags

To create system default tags:

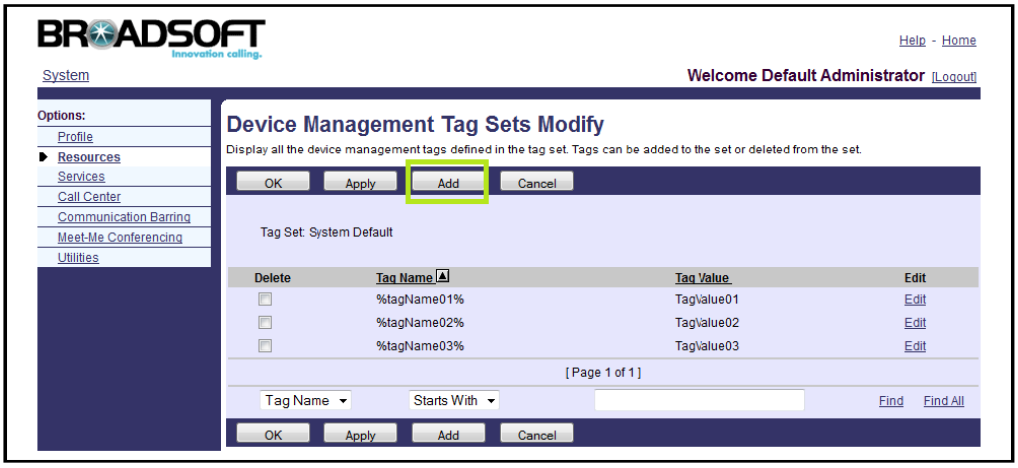
1. Click on **Resources->Device Management Tags Sets**.



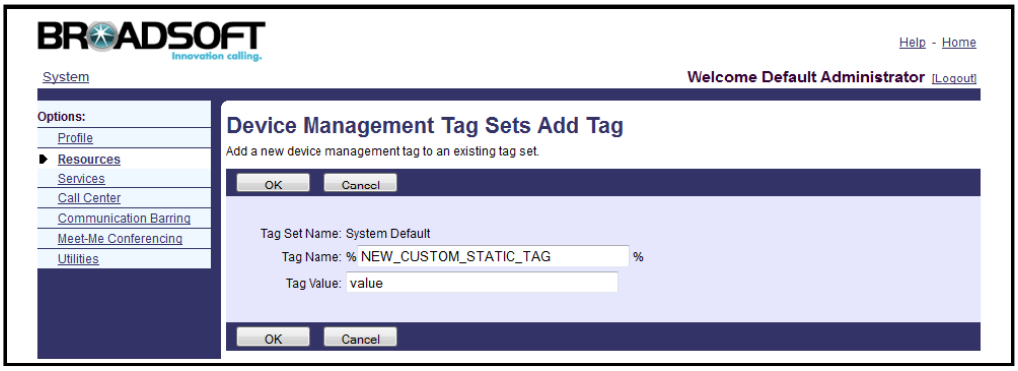
2. Select the **System Default** to edit.



3. Click on **Add**.



4. Enter the desired name in the **Tag Name** field. The tag name must be enclosed by the "%" character and not start by "BW".
5. Enter the desired value in the **Tag Value** field. The tag value is the string by which the tag is replaced in template configuration files.



6. Click **Apply** to save the settings.
7. Repeat steps 3 to 6 to add more system default tags.

The following table lists the system default tags required in the template configuration files.

Tag Name	Valid Settings	Description
%SNTP_SERVER_1%	IP address/FQDN Example: time-a.nist.gov	The NTP server address
%SNTP_SERVER_2%	IP address/FQDN Example: time-b.nist.gov	The alternate NTP server address
%DNS_SERVER_1%	IP address Example: 199.19.193.12	The DNS server address
%DNS_SERVER_2%	IP address Example: 199.19.193.39	The alternate DNS server address
%USE_SBC_BOOLEAN%	0/1	Enables or disables the outbound proxy server: 1=enable, 0=disable
%SBC_ADDRESS%	IP address/FQDN Example: 199.19.193.9	The outbound proxy server address
%SBC_PORT%	Port Example: 5060	The outbound proxy server port

Creating Device Type Specific Tags

To create device type specific tags:

1. Click on **Resources**->**Device Management Tags Sets**.
2. Click on **Add**.
3. Enter the tag set name in the **Tag Set Name** field (e.g. YealinkT28-Tags).
4. Click on **Add**.
5. Enter the desired name in the **Tag Name** field. The tag name must be enclosed by the "%" character and not start by "BW".
6. Enter the desired value in the **Tag Value** field. The tag value is the string by which the tag is replaced in template files.
7. Click **Apply** to save the settings.
8. Repeat steps 4 to 7 to add more device type specific tags.

The following table lists the device type specific tags required in the template configuration files.

Tag Name	Valid Settings	Description
%LANGUAGEWEB%	English Chinese_S Deutsch French Italian Portuguese Spanish Turkish	The language of the web user interface
%LANGUAGEGUI%	English Chinese_S Chinese_T Deutsch French Italian Portuguese Polish Spanish Turkish	The language of the phone user interface
%FIRMWARE_VERSION%	<x.x.x.x>.rom Example: 2.70.0.10.rom	The firmware version
%FEATURE_KEY_SYN%	0/1	Enables or disables the feature key synchronization, 0-Disabled, 1-Enabled(default)

Creating Device Profile Type

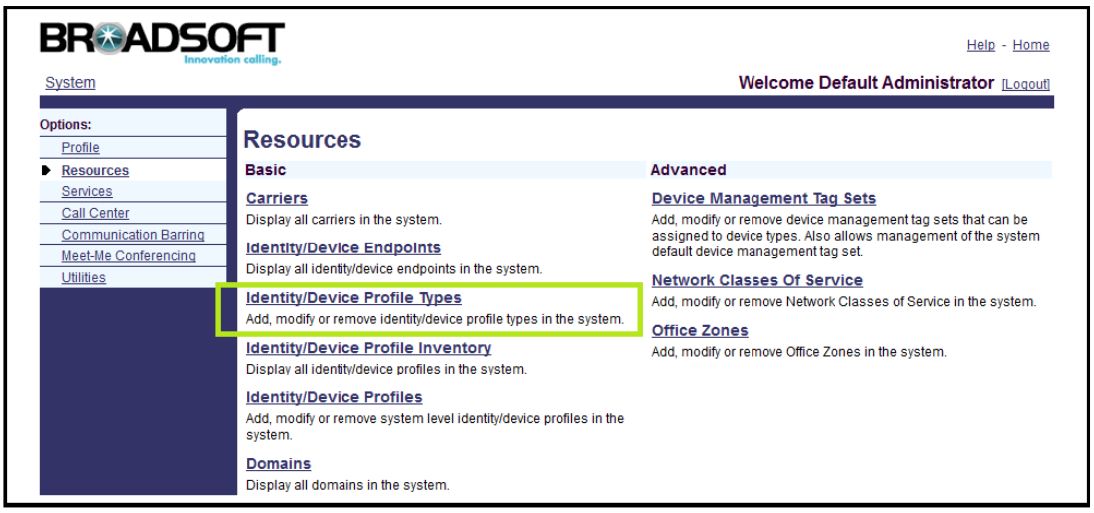
Only the system administrator can create new device profile types. The system administrator also has the ability to edit and delete device profile types. Device profiles types can only be deleted when all references to the device profile type are removed. All references to a device profile type are removed when no users are associated with any device profile of the device profile type.

There are two primary steps to create the device profile type:

- **Defining the access profile**: For the aspects related to the signaling and media interoperability with BroadWorks.
- **Defining the configuration profile**: For the aspects related to the configuration of the device.

To create the device profile type:

1. Click on **Resources->Identity/Device Profiles Types**.



2. Click on **Add**.

Defining Access Profiles

When adding a new device profile type to the system, the first step is to define the access profile. Every device profile type must have a well-defined access profile before it can be used. The most important part of the access profile is the "Signaling Address Type", this is the only required option.

The rest of the access profile is encapsulated in the "Standard Options" and the "Advanced Options" blocks of the new Device Profile Type dialog.

The following table shows an example of defining the access profile. Parameters not identified in the following table can usually be left as the defaults.

Parameter	Value	Desciption
Identity/Device Profile Type	Yealink T28P	
Signaling Address Type	Intelligent Proxy Addressing	
Standard Options		
Number of Ports	Limited To 6	Defines the number of users who can be associated with a profile instance of a device profile type.
Ringback Tone/Early Media Support	Local Ringback - No Early Media	Determines SDP handing for initial INVITE messages sent to the device.
Authentication	Enabled	Defines whether requests for a device are authenticated.
Registration Capable	checked	Defines whether a profile instance of a device profile type is allowed to register with BroadWorks.
RFC3264 Hold	checked	Defines whether the 3264 hold mechanism is used in the SIP signaling.
Advance Options		
Reset Event	checkSync	When this option is enabled, the administrator on BroadWorks can remotely reset devices. Determines which type of notify event is sent to the device.

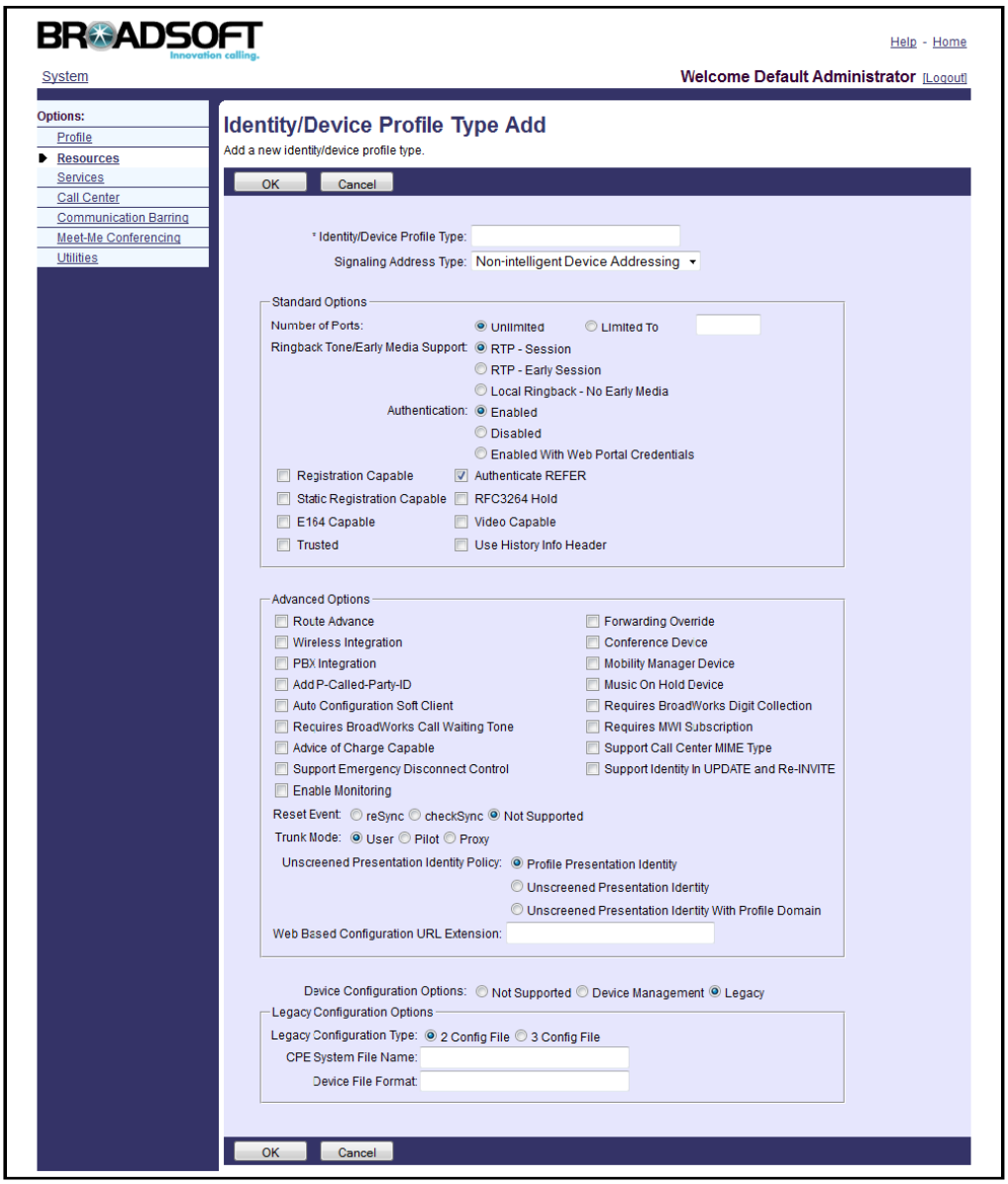
Defining Configuration Profiles

When adding a new device profile type to the system, the system administrator must

decide which level of configuration management is supported. The Device Provisioning presentation is as follows:

- Initially, only the Device Configuration Options setting is shown, along with the "Legacy", "Device Management", and "Not Supported" options.
- When the "Not Supported" option is selected, no other parameters appear. The "Not Supported" is the default option.

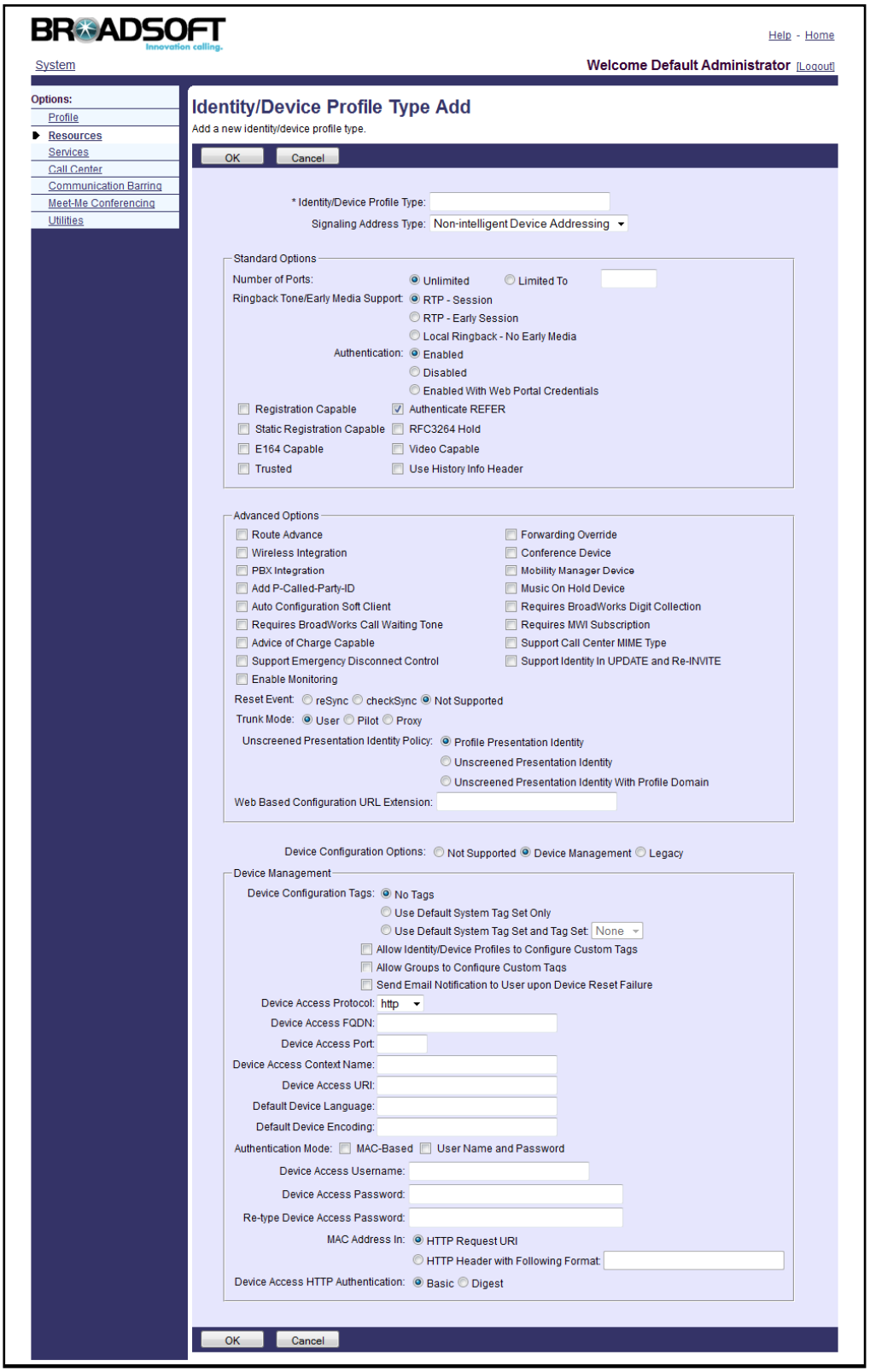
- When the "Legacy" option is selected, the **Legacy Configuration** settings appear. As shown in the following.



The following table shows an example of defining the configuration profile under the Legacy option.

Parameter	Value	Description
Legacy Configuration Options		
Legacy Configuration Type	2 Config File	Indicates the number of configuration files for the device profile type.
CPE System File Name	y000000000000.cfg	Specifies the system file name as requested by the device.
Device File Format	%BWMACADDRESS%.cfg	Specifies the device fill name as requested by the device.

- When the "Device Management" option is selected, the **Device Management** settings appear. As shown in the following.



The following table shows an example of defining the configuration profile in the Device Management option. Parameters not identified in the following table can usually be left as the defaults.

Parameter	Value	Description
Device Management Options		
Device Configuration Tags	Use Default System Tag Set and Tag Set. Select the tag set name (e.g. YealinkT28-Tags) from the from the pull-down list of **Use Default System Tag Set and Tag Set**.	Selects the device tag set created in section Creating Device Type Specific Tags on page 9.
Allow Identity/Device Profiles to Configure Custom Tags	Checked	Determines whether or not new static tags can be customized at the profile level. For more information on how to customize static tags at the profile level, refer to Customizing Static Tags on page 24.
Allow Groups to Configure Custom Tags	Checked	Determines whether or not new static tags can be customized at the group level. For more information on how to customize static tags at the group level, refer to Customizing Static Tags on page 24.
Device Access Protocol	http	Determines the transfer protocol used by the device to get its files.
Device Access FQDN	<BroadWorks-Xsp-Cluster-Address> Example: xsp.iop1.broadworks.net	Represents the FQDN of the XSP used by the device to get its files.
Device Access Port	<BroadWorks-Xsp-Port> Example: 80	Represents the port number of the XSP used by the device to get its files.
Device Access Context Name	dms	Represents the name of the BroadworksDms web application which has been predefined.

Parameter	Value	Description
Device Access URI	<device-type-name> Example: Yealink T28P	Ensures the uniqueness of the URL for each device type. It typically contains the device type name.

Defining Device Profile Type Files

This section describes how to define the configuration files and other static files that the Yealink IP phones download. There are two configuration files both of which are CFG format. We call them the system file and the device-specific file. The system file will be effectual for all IP phones of the same model. However, a device-specific file will only be effectual for the specific IP phone. The system file has a fixed name for each phone model, while a device-specific file is named by the MAC address of the IP phone.

To add the device profile type files:

1. Click on **Resources->Identity/Device Profiles Types**.
2. Select the desired device profile type. For example, Yealink T28P.
3. Click on **Files and Authentication**.
4. Click on **Add**.

System File

The name of the system file for each Yealink IP phone model is:

- T12P: y000000000008.cfg
- T18P: y000000000009.cfg
- T20P: y000000000007.cfg
- T22P: y000000000005.cfg
- T26P: y000000000004.cfg
- T28P: y000000000000.cfg
- T32G: y000000000032.cfg
- T38G: y000000000038.cfg
- VP530:y000000000023.cfg

The following table lists the parameter of defining the system file.

Parameter	Value	Description
Device Access File Format	<system-file-name>.cfg Example: y000000000000.cfg	Represents the name of the system file used by the

Parameter	Value	Description
		device to get the system file.
Repository File Format	<system-file-name>.cfg Example: y000000000000.cfg	Represents the name of the system file stored on the Device Management repository.
File Category	Dynamic Per-Type	The file applies to the device type.
File Customization	Administrator	Identifies who can customize the system files.
Assign File	Custom	
Authentication Mode	User Name and Password	Defines the system file authenticated with the username and password
Device Access HTTP Authentication	Digest	

After the above settings, click **Browse** to upload the system template configuration file (e.g. y000000000000.cfg), click **Apply** to save the settings.

Device-Specific File

Each Yealink IP phone downloads a device-specific file based on the IP phone's MAC address using the following file name format:

<mac-address>.cfg

The following table lists the parameter of defining the device-specific file:

Parameter	Value	Description
Device Access File Format	%BWMACADDRESS%.cfg	Represents the name of the device-specific file used by the device to get the device-specific file.
Repository File Format	%BWMACADDRESS%.cfg	Represents the name of the device-specific file stored on the Device Management repository.
File Category	Dynamic Per-Device	The file is unique for per device.

Parameter	Value	Description
File Customization	Administrator and User	Identifies who can customize the system files.
Assign File	Custom	
Authentication Mode	User Name and Password	Defines the system file authenticated with username and password.
Device Access HTTP Authentication	Digest	

After the above settings, click **Browse** to upload the device-specific template configuration file (e.g. %BWMACADDRESS%.cfg), click **Apply** to save the settings.

Static File

The static files such as firmware and media files that are configurable and do not make use of the BroadWorks tags.

The Yealink TxP IP phones require the following static files:

<firmware-version>.rom

Ring.wav

Lang+English.txt

contactData1.xml

AutoDST.xml

DialPlan.xml

The Yealink T3xG IP phones require the following static files:

<firmware-version>.rom

Ring.wav

Lang+English.txt

contactData.xml

AutoDST.xml

DialPlan.xml

DialNow.xml

Dialing.xml

CallFailed.xml

CallIn.xml

Connecting.xml

Ringback.xml

ScreenSaver.png

Talking.xml

The Yealink VPx IP phones require the following static files:

<firmware-version>.rom

ca.crt

ca.pem

ContactData.xml

dialnow.xml

dialplan.xml

doorphonedata.xml

Contact.png

song.wav

wallpaper.jpg

The following table lists the parameter of adding the static file:

Parameter	Value	Description
Device Access File Format	<file-name>.cfg Example: 2.70.0.10.rom	Represents the name of the static file used by the device to get the static file.
Repository File Format	<file-name>.cfg Example: 2.70.0.10.rom	Represents the name of the static file stored on the Device Management repository.
File Category	Static	The file is a static file. There are no tags in the file.
File Customization	allow	Determines whether or not the static files can be customized.
Assign File	Custom	
Authentication Mode	Not set	The static file is not authenticated
Device Access HTTP Authentication	Basic	

After the above settings, click **Browse** to upload the static file (e.g. 2.70.0.10.rom), click **Apply** to save the settings.

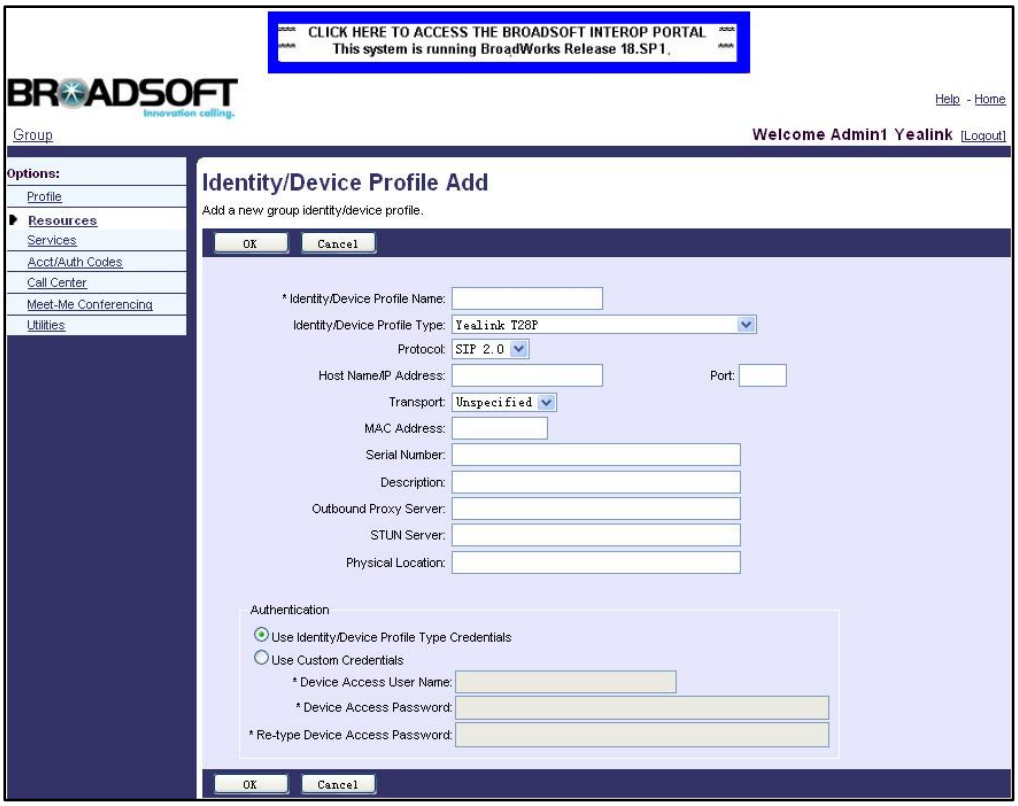
Login BroadWorks as Group Administrator

Creating the BroadWorks Device Profile

To create the device profile:

1. Login to the web portal as the group administrator.
2. Click on **Resources->Identity/Device Profiles**.

3. Click on **Add**. Select the desired device profile type (e.g. Yealink T28P) from the pull-down list of **Identity/Device Profile Type**.



4. Filling in the form as follows:

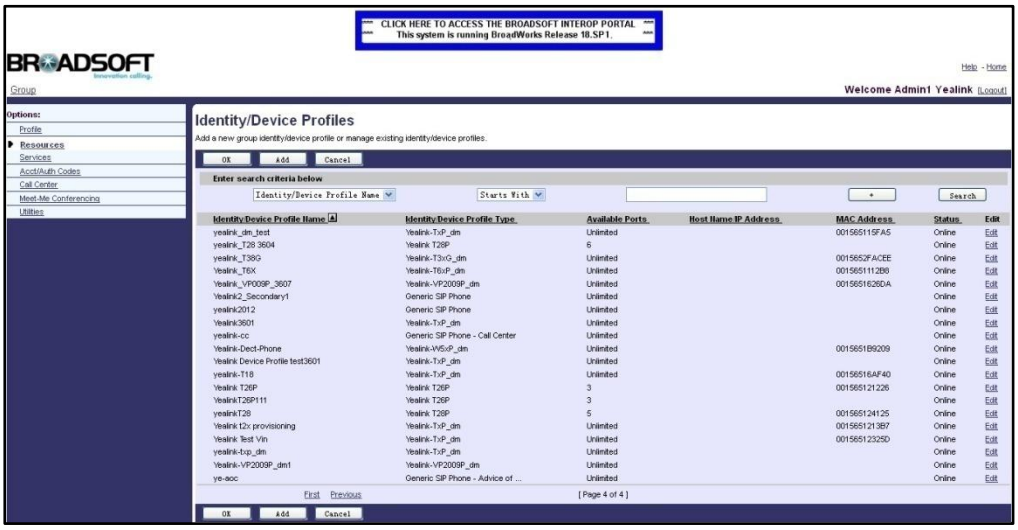
Parameter	value
Identity /Device Profile Name	The device profile name Example: yealinkT28
MAC Address	The MAC address of the device
Authentication	Uses Custom Credentials
Device Access User Name	username
Device Access Password	password

Customizing Static Tags

You can add static tags at the profile level or at the group level.

To add static tags at the profile level:

1. Click **Resources**->**Identity/Device Profiles**->**Search** to list all existing device profiles. Click **Next** to turn to the next page.



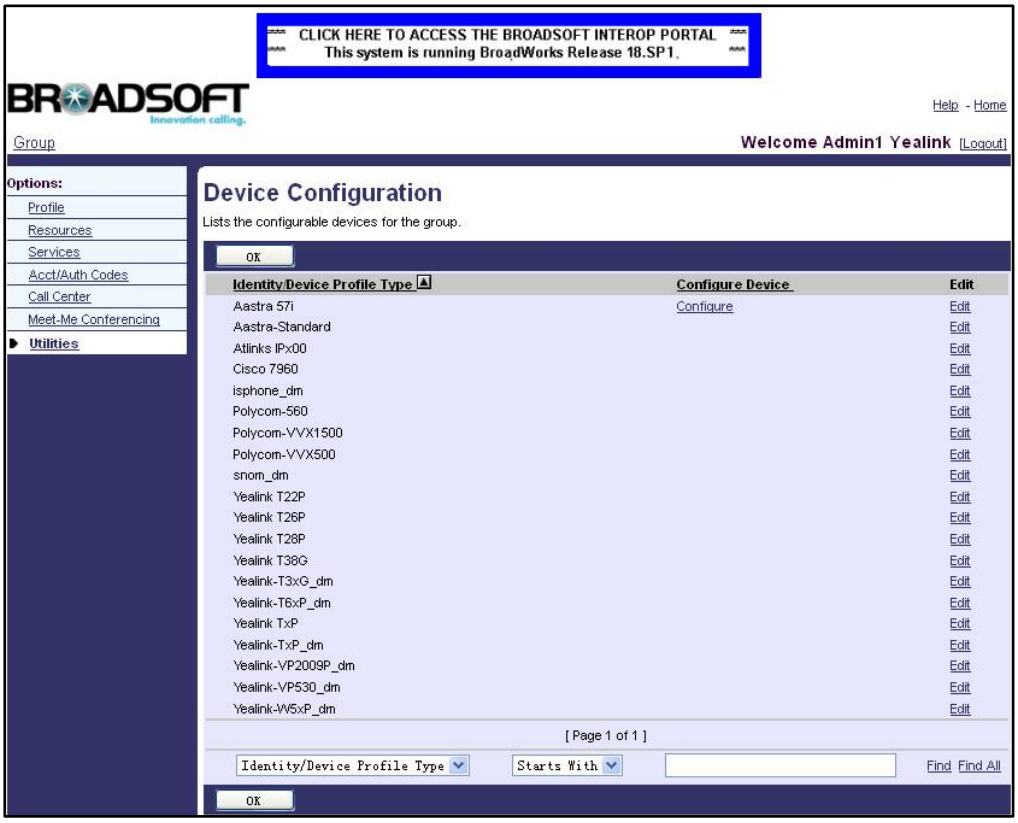
2. Select the desired device profile (e.g. yealinkT28) to edit.
3. Click on **Custom Tags** tab.

4. Click on **Add**. Enter the desired tag name (e.g. LANGUAGEGUI) in the Tag name field and enter the desired tag value (e.g. English) in the **Tag Value** field.

After the above settings, the customizing static tags will only be effectual for the device profile (e.g. yealinkT28).

To add static tags at the group level:

1. Click on **Utilities**->**Device Configuration**. The page appears all existing device profile types.



2. Select the desired device profile type to edit (e.g. Yealink T28P).
3. Click on **Custom Tags** tab.
4. Click on **Add**. Enter the desired tag name (e.g. LANGUAGEGUI) in the Tag name

field and enter the desired tag value (e.g. English) in the **Tag Value** field.

5. Repeat the step 4 to customize more required tags.

After the above settings, the customizing static tags will be effectual for the device profile type (e.g. Yealink T28P). It means all the device profile associated with this device profile type can use the customizing tags.

Uploading Device Template Configuration Files

There are two types of the template configuration files, system and device-specific template configuration files.

The following table describes system template configuration items that are generally required for each Yealink SIP-T28P to work with BroadWorks.

Step	Item	Description
System Template Configuration Items <e.g. y000000000000.cfg >		
Step1	network.internet_port.type =0	Configures the WAN port to use DHCP to obtain IP address.
Step2	local_time.ntp_server1 = %SNTP_SERVER_1% local_time.ntp_server2 = %SNTP_SERVER_2%	Configures the primary and secondary NTP servers. %SNTP_SERVER_1% and %SNTP_SERVER_2% tags are created on BroadWorks. e.g. %SNTP_SERVER_1%=time-a.nist.gov %SNTP_SERVER_2%=time-b.nist.gov
Step3	call_waiting.enable = 1 call_waiting.tone = 1	Enables call waiting and call waiting tone. 0(Disable),1(Enable)
Step4	bw.feature_key_sync = %FEATURE_KEY_SYN%	Enables or disables feature key synchronization.

Step	Item	Description
		0(Disable),1(Enable) %FEATURE_KEY_SYN% tag is customized on BroadWorks e.g. %FEATURE_KEY_SYN%=1 or %FEATURE_KEY_SYN%=0
Step5	firmware.url = http://%BWDEVICEACCESSFQDN%:%BWDEVICEACCESSPORT%/%BWDMSCONTEXT%/%BWDEVICEACCESSURI%%FIRMWARE_VERSION%	Configures the server URL for updating the firmware. e.g. %BWDEVICEACCESSFQDN%=xsp.iop1.broadworks.net %BWDEVICEACCESSPORT%=80 %BWDMSCONTEXT%=dms %BWDEVICEACCESSURI%=Yealink T28P These tags are defined at the device-type profile. For more information, refer to Defining Configuration Profiles on page 13. %FIRMWARE_VERSION% tag is customized on BroadWorks. e.g. %FIRMWARE_VERSION%=2.70.0.10.rom

The following table describes device-specific template configuration items that are generally required for each Yealink SIP-T28P to work with BroadWorks.

Step	Item	Description
Device-specific Template Configuration Items <%BWMACADDRESS%.cfg >		
Step1	account.1.enable = %BWLINE-BINARY-1%	Enables or disables the first line. %BWLINE-BINARY-1%=0/1 ("0"=disable,"1"=enable). "%BWLINE-BINARY-1%" identifies whether a line port is assigned to the first user.
Step2	account.1.display_name = %BWCLID-1%	Configures the name to be displayed on the phone. "%BWCLID-1%" is Calling Line ID (CLID) retrieved from the Calling Line ID First and Last Name fields in the first user's profile on BroadWorks.
Step3	account.1.user_name	Configures the user ID for first line.

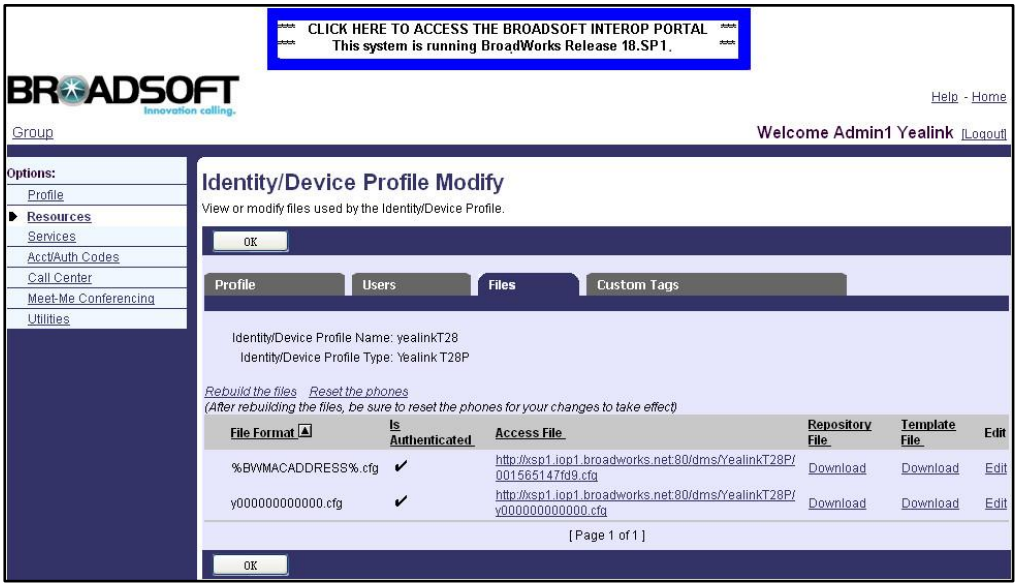
Step	Item	Description
	= %BWLINEPORT-1%	"%BWLINEPORT-1%" must correspond with the line/port setting in the first user's address on BroadWorks.
Step4	account.1.auth_name = %BWAUTHUSER-1% account.1.password = %BWAUTHPASSWORD-1%	Configures SIP authentication for the first line. If the Authentication service is assigned on BroadWorks, "%BWAUTHUSER-1%" and "%BWAUTHPASSWORD-1%" must match the first user's authentication settings on BroadWorks.
Step5	account.1.blf.blf_list_uri = %BWBLF-URI-1%	Configures the BLF List for the first line. "%BWBLF-URI-1%" is the Busy Lamp Field (BLF) List URI for the first user. e.g. %BWBLF-URI-1%=sip:myblf@as.iop1.broadworks.net If BLF List feature is not configured for the first user, this is blank.
Step6	account.1.shared_line = %BWSHAREDLINE-BINARY-1%	Configures the first line to be private or shared. %BWSHAREDLINE-BINARY-1%=0/1 ("0"=private,"1"=shared). %BWSHAREDLINE-BINARY-1% indicates whether the first line is shared.
Step7	account.1.conf_type = 2 account.1.conf_uri = %BWNETWORK-CONFERENCE-SIPURI-1%	Configures network conference for the first line. "%BWNETWORK-CONFERENCE-SIPURI-1%" is the network conference SIP URI for the first user. e.g. %BWNETWORK-CONFERENCE-SIPURI-1%=conference@as.iop1.broadworks.net

You can add upload device template configuration files at the profile level or at the group level.

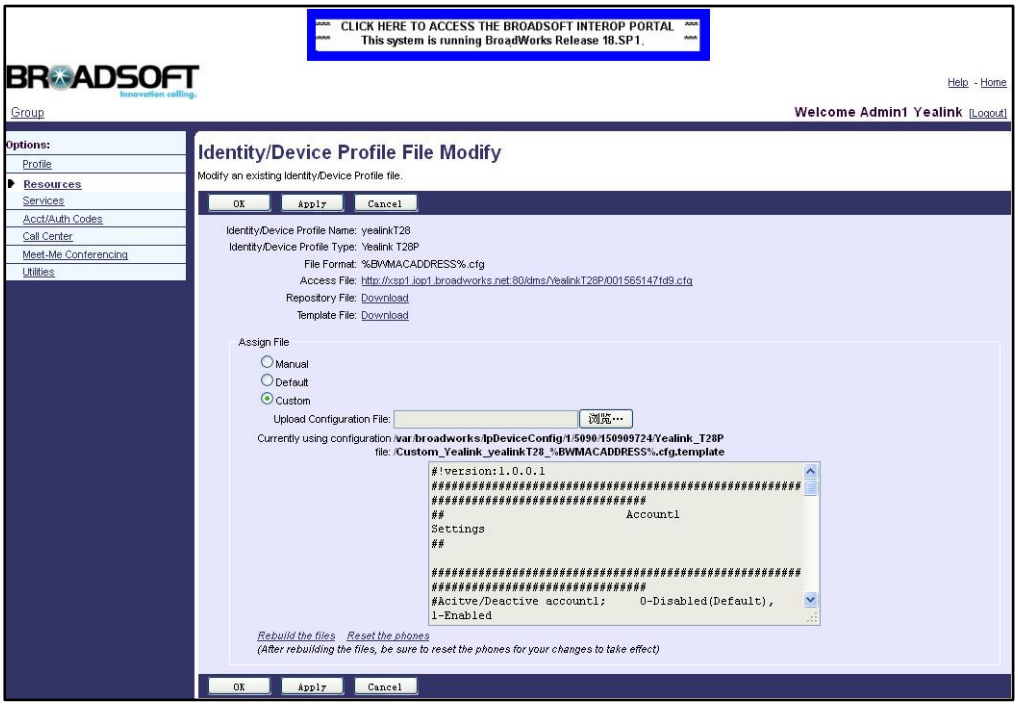
To upload device template configuration files at the profile level:

1. Click **Resources**->**Identity/Device Profiles**->**Search** to list all existing device profiles. Click **Next** to turn to the next page.
2. Select the desired device profile (e.g. yealinkT28) to edit.

3. Click on **Files** tab. The page lists all the existing template configuration files.



4. Select the desired template configuration file to edit (e.g. %BWMACADDRESS%.cfg).
5. Select the **Custom** in the **Assign File** block.
6. Click **Browse** to upload the desired template configuration file.



7. Click **Apply** to save the settings.

After the above settings, the template configuration files will only be effectual for the device profile (e.g. yealinkT28).

To upload device template configuration files at the group level:

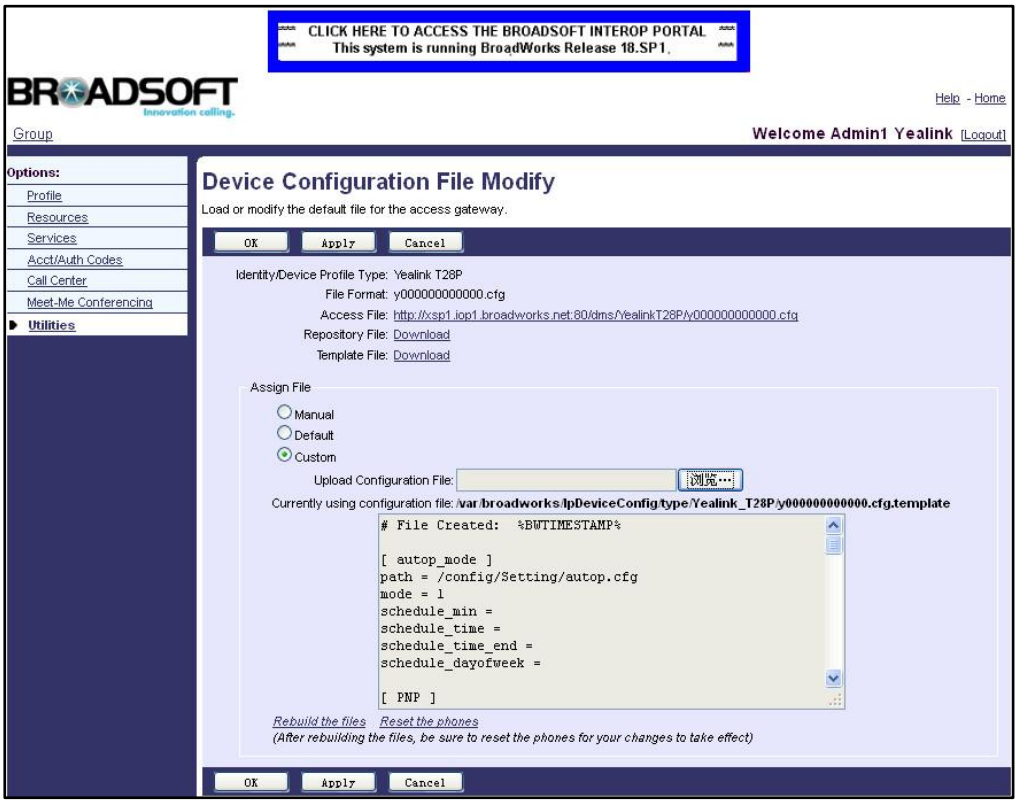
1. Click on **Utilities**->**Device Configuration**. The page appears all existing device

profile types.

2. Select the desired device profile type to edit (e.g. Yealink T28P).
3. Click on **Files** tab. The page lists all the existing template configuration files.

4. Select the desired template configuration file to edit (e.g. y000000000000.cfg).
5. Select the **Custom** in the **Assign File** block.

6. Click **Browse** to upload the desired template configuration file.



7. Click **Apply** to save the settings.

After the above settings, the template configuration files will be effectual for the device profile type (e.g. Yealink T28P). It means all the device profile associated with this device profile type can download the configuration files.

Note The template configuration files should have existed. For more information on how to create the template configuration files, refer to Defining Device Profile Type Files on page 19.

Uploading Static Files

You can upload static files at the profile level or at the group level.

To upload static files at the profile level:

1. Click **Resources**->**Identity/Device Profiles**->**Search** to list all existing device profiles. Click **Next** to turn to the next page.
2. Select the desired device profile (e.g. yealinkT28) to edit.
3. Click on **Files** tab. The page lists all the existing static files.
4. Select the desired static file to edit (e.g. 2.70.0.10.rom).
5. Select the **Custom** in the **Assign File** block.

6. Click **Browse** to upload the desired static file.
7. Click **Apply** to save the settings.

After the above settings, the static files will only be effectual for the device profile (e.g. yealinkT28).

To upload static files at the group level:

1. Click on **Utilities**->**Device Configuration**. The page appears all existing device profile types.
2. Select the desired device profile type to edit (e.g. Yealink T28P).
3. Click on **Files** tab. The page lists all the static files.
4. Select the desired static file to edit (e.g. 2.70.0.10.rom).
5. Select the **Custom** in the **Assign File** block.
6. Click **Browse** to upload the desired static file.
7. Click **Apply** to save the settings.

After the above settings, the static files will be effectual for the device profile type (e.g. Yealink T28P). It means all the device profile associated with this device profile type can download the static files.

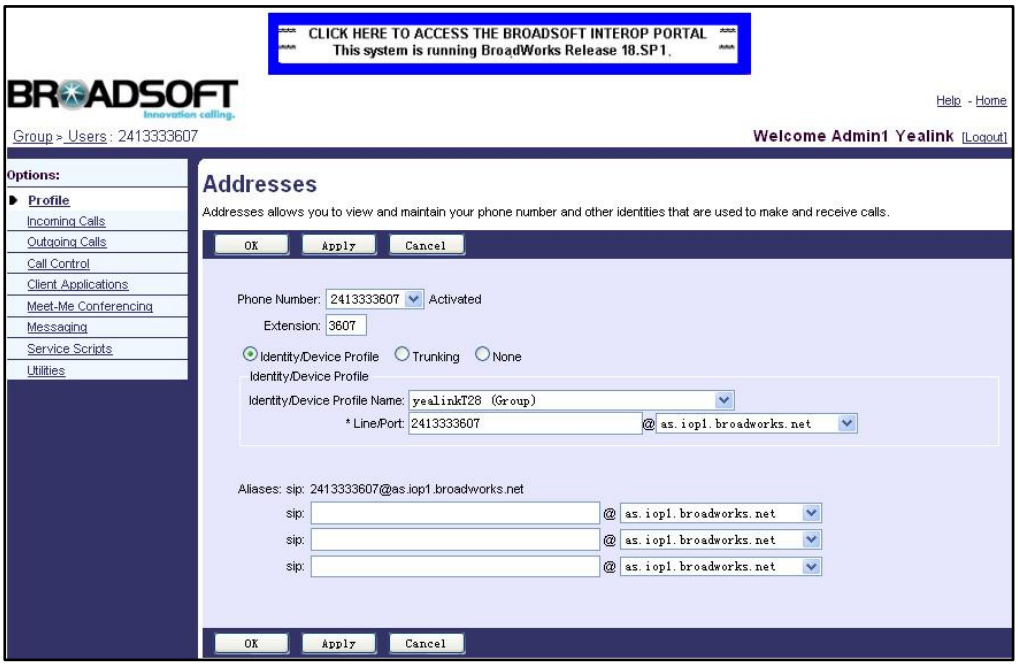
Note The static files should have existed. For more information on how to create the static files, refer to Defining Device Profile Type Files on page 19.

Assigning the Device Profile to the user

To assign the device profile to the user:

1. Click **Profile**->**Users**->**Search** to display all the existing users.
2. Select one of the users to be assigned to device profile.
3. Click on **Addresses**.
4. Select the **Identity/Device profile**.

5. In the **Identity/Device profile** block, select the device profile created in section Creating the BroadWorks Device Profile (e.g. yealinkT28) from the pull-down list of **Identity/Device Profile Name**, enter the register's user name in the **Line/Port** field, and select the domain name (e.g. as.iop1.broadworks.net) from the pull-down list of **@**.

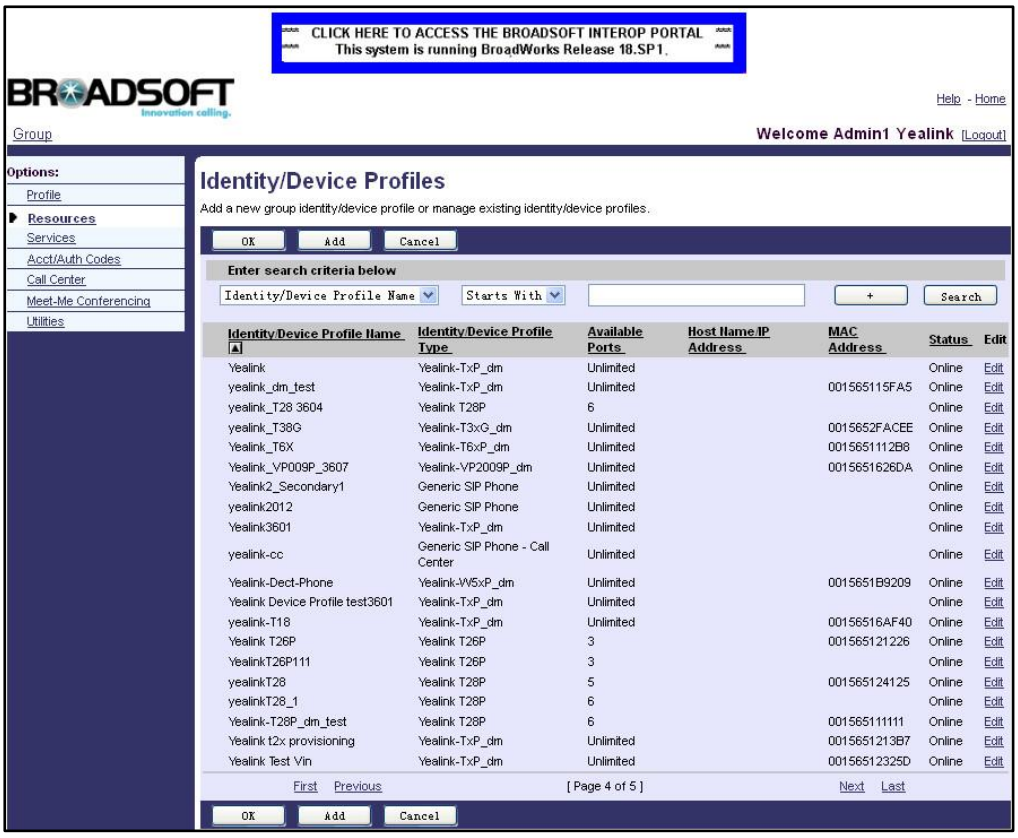


6. Click **Apply** to save the settings.

To check the users assigned to the device profile:

1. Click on **Resources->Identity/Device Profiles**.

2. Click **Search** to display all the existing device profiles. Click **Next** to turn to the next page.



3. Select the desired device profile (e.g. yealinkT28) to edit.
4. Click on **Users** tab.
5. Click on **Search** to display all users assigned to the device profile.

From the above figure, only the user 241333607 has been assigned to the device profile yealinkT28.

Configuring BroadWorks Integrated Features

Busy Lamp Field (BLF) List

The Busy Lamp Field (BLF) List feature on the IP phone allows a list of specific extensions to be monitored for status changes. It enables the monitoring phone to subscribe to a list of users, and receive notifications of the state of the monitored users. Different indicators on the monitoring phone show the status of the monitored users. When the monitored user places a call, a busy indicator on the monitoring phone shows that the user's phone is in use and busy.

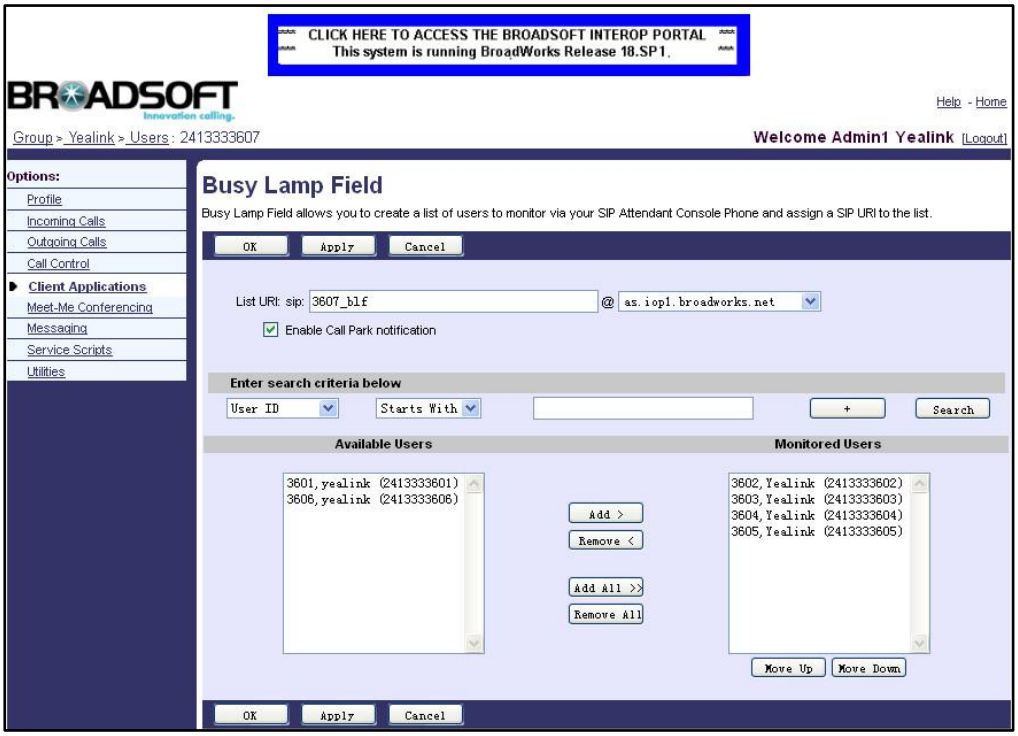
Configuring the BroadWorks Server

To configure the BLF List feature on the BroadWorks server:

1. Login to the web portal as the group administrator.

2. Click **Profile**->**Users**->**Search** to display all the existing users.
3. Select one of the users (e.g. 2413333607) to configure BLF List feature.
4. Click on **Client Applications**->**Busy Lamp Field**.
5. Enter the BLF List URI (e.g. 3607_blf) in the **List URI** field.
6. Select the domain name (e.g. as.iop1.broadworks.net) from the pull-down list followed by **@**.
7. Check the **Enable Call Park notification** checkbox.
8. Click **Search** to display all available users.
9. Select the desired users from the **Available Users** list, and click the **Add>** button to add them to the **Monitored Users** list.

10. Repeat the step 9 to add more users to the **Monitored Users** box.



11. Click **Apply** to save the settings.

For more information on the configuration of the BLF List, refer to BroadWorks Service Guide [2].

Configuring the Yealink IP Phone

The BLF List feature is configurable using the template configuration files or the web user interface.

To configure the BLF list feature using the template configuration files:

1. Create the BroadWorks Device Profile (e.g. yealinkT28).

For more information, refer to Creating the BroadWorks Device Profile on page 23.

2. Assign the device profile (e.g. yealinkT28) to the user (e.g.2413333607).

For more information, refer to Assigning the Device Profile to the user on page 32.

3. Configure the BLF List feature using the template configuration file (%BWMACADDRESS%.cfg):

- Use the following parameters to configure the BLF List:

  The "x" is an integer which specifies the line number on the IP phone. If the user (e.g. 2413333607) is the first user assigned to the device profile, "x" indicates "1".

Parameter	Description	Value
account.x.blf.blf_list_u	Defines the BLF List URI to	%BWBLF-URI-x%

Parameter	Description	Value
ri	monitor the users.	
account.x.blf_list_code	Defines the feature access code to pick up the ringing call of the monitored user.	%BWFAC-DIRECTED-CALL-PICKUP-x%
account.x.blf_list_barge_in_code	Defines the feature access code to barge in an active call of the monitored user.	%BWFAC-DIRECTED-CALL-PICKUP-x%

If you are using Yealink SIP-T3xG or VP530 IP phones, you need to configure the BLF List keys.

Configure the BLF List keys using the template configuration file (e.g. y000000000000.cfg):

You can configure the memory keys as BLF List keys.

The "x" is an integer which specifies the number of the memory key.

Parameter	Description	Value
memorykey.x.line	Specifies the corresponding line apply to BLF List. The value 0 stands for line 1.	Integer
memorykey.x.type	Defines the memory key type, the number 39 corresponds to BLF List.	Integer

The following is an example of configuring the memory keys 1,2,3,4 as BLF List keys, which apply to line 1:

```
memorykey.1.line = 0
memorykey.1.type = 39
memorykey.2.line = 0
memorykey.2.type = 39
memorykey.3.line = 0
memorykey.3.type = 39
memorykey.4.line = 0
memorykey.4.type = 39
```

You can also configure the line keys as BLF List keys.

The "x" is an integer which specifies the number of the line key.

Parameter	Description	Value
linekey.x.line	Specifies the corresponding line apply to BLF List. The value 0 stands for line 1.	Integer
linekey.x.type	Defines the line key type, the number 39 corresponds to BLF	Integer

Parameter	Description	Value
	List.	

The following is an example of configuring the line keys 1,2,3,4 as BLF List keys, which apply to line 1:

```
linekey.1.line =0
linekey.1.type =39
linekey.2.line =0
linekey.2.type =39
linekey.3.line =0
linekey.3.type =39
linekey.4.line =0
linekey.4.type =39
```

- Upload the template configuration files.

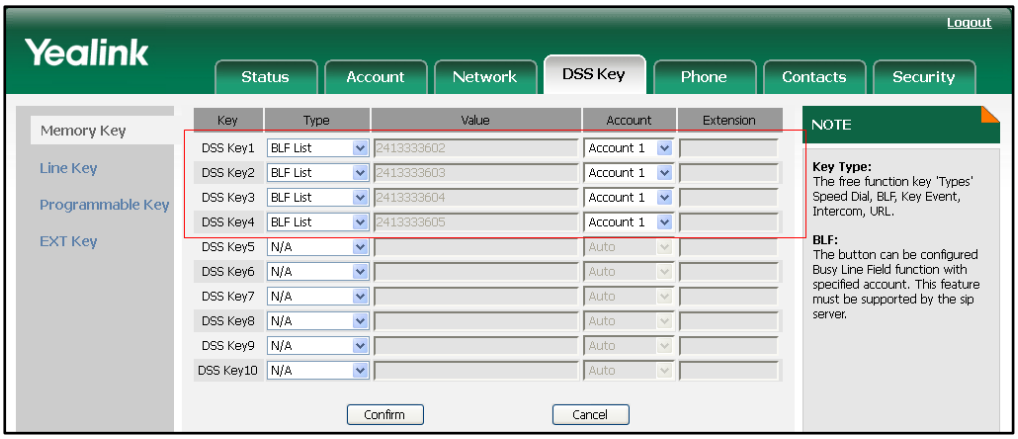
For more information, refer to Uploading Device Template Configuration Files on page 26.

After the above configurations, the tags in the template file (%BWMACADDRESS%.cfg) will be replaced by the actual parameter values. As shown in the following ("x"indicates"1"):

```
account.1.blf.blf_list_uri = sip:3607_blf@as.iop1.broadworks.net
account.1.blf_list_code = *97
account.1.blf_list_barge_in_code= *33
```

If you are using Yealink SIP-T3xG or VP530 IP phones, according to the response message from the BroadWorks server, the IP phone will automatically assign the phone number of the BLF List users to the BLF List keys in order.

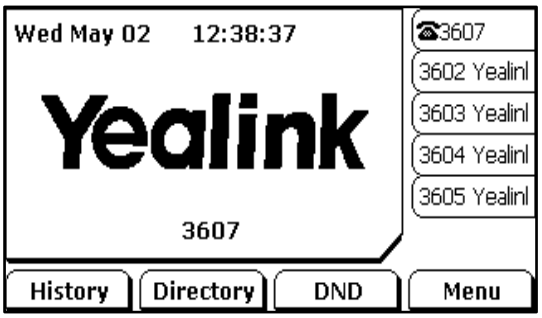
After downloading the configuration files, the configuration of the IP phone appears as follows (configuring the memory keys as BLF List keys):



If you are using other IP phones, according to the response message from the BroadWorks server, the IP phone will automatically configure the BLF List keys beginning from the first unused DSS key. Once any DSS key is seized, the IP phone will skip to

configure the next DSS key.

After downloading the configuration files, the IP phone LCD screen appears as follows:



You can also configure the BLF List feature via web user interface at the path **Account->Advanced>>**.

For more information on how to configure the BLF List feature via web user interface, refer to Phone Features integrated with BroadWorks User Guide [3].

Shared Call Appearance

The Shared Call Appearance (SCA) feature allows the administrator to assign an extension to multiple phones. Any of the phones can be used to originate or receive calls. An Incoming call can be presented to multiple phones simultaneously. The incoming call can be answered on any phone but not all. A call that is active on one phone will be presented visually to phones that share the call appearance.

The SCA feature also has private hold capability. When a phone puts a call on private hold, only the phone that held the call can retrieve it. Retrieve attempts from all other phones are rejected.

Configuring the BroadWorks Server

To configure the SCA feature on the BroadWorks server:

1. Login to the web portal as the group administrator.
2. Click **Profile->Users->Search** to display all the existing users.
3. Select one of the users (e.g. 2413333607) to configure the SCA feature.
4. Click on **Call Control-> Shared Call Appearance**.

The main SCA parameters are described as follows:

Parameter	Description
Alert all appearances for Click-to-Dial calls	Allows alerting all the locations sharing the call appearance when a location places a call from the CommPilot Call Manager.
Allow Call Retrieve from another location	Allows the calls being put on hold on one station to be retrieved from any other station sharing the call appearance.
Multiple Call Arrangement	Provides the ability for multiple calls to be handled concurrently on different SCA locations for a user.
Allow bridging between locations	Allows SCA locations to barge in on an active call involving another location.
Bridge Warning tone	Determines whether to play a warning tone when a shared location barge in on an active call. None: disables the warning tone feature. Barge-in only: enables the warning tone feature. Barge-in and repeat every 30 seconds: enables the warning tone feature and the warning tone is repeated periodically every 30 seconds.

The following is an example of setting the SCA parameters:

Alert all appearances for Click-to-Dial calls: Selected

Alert all appearances for Group Paging calls: Selected

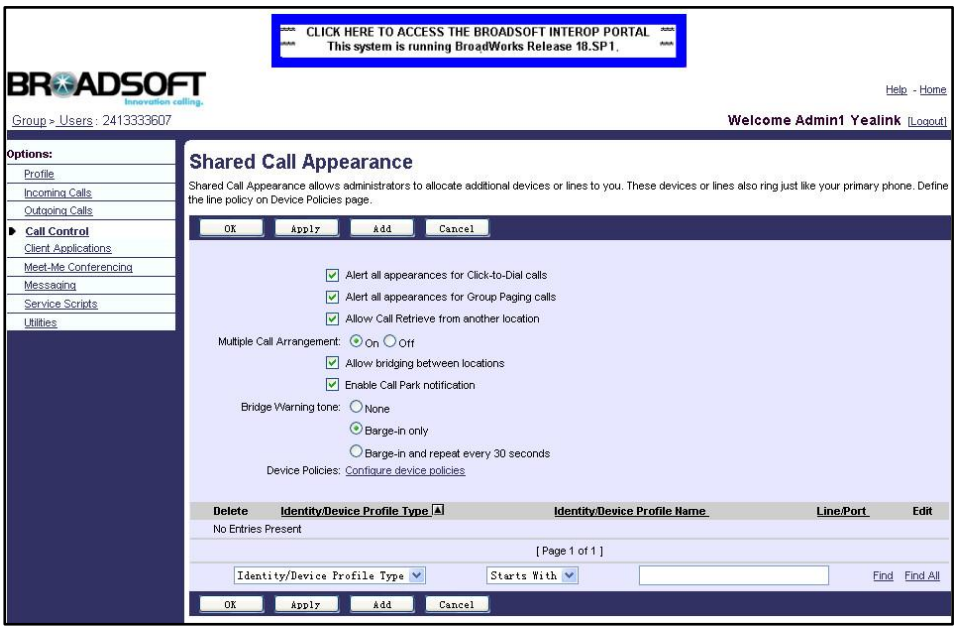
Allow Call Retrieve from another location: Selected

Multiple Call Arrangement: On

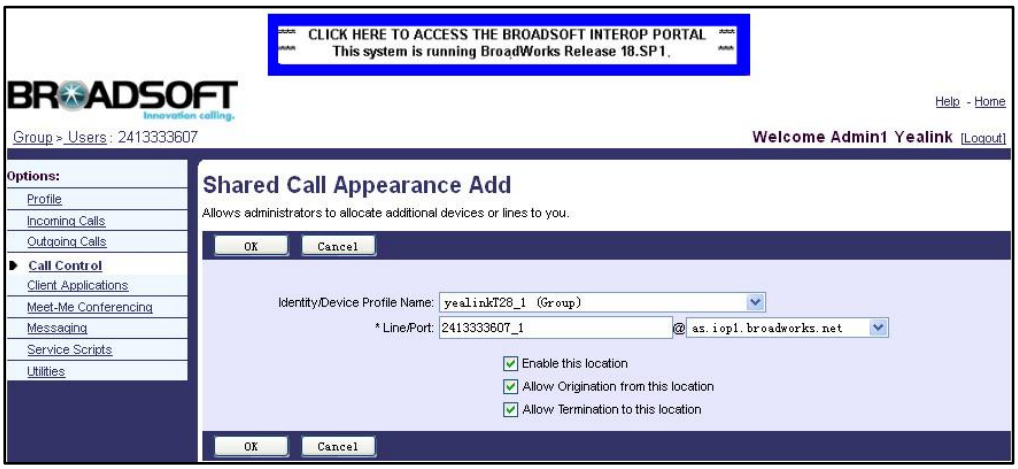
Allow bridging between locations: Selected

Enable Call Park notification: Selected

Bridge Warning tone: Barge-in only



5. Click **Apply** to save the change.
6. Click on **Add**.
7. Select the desired device profile name (e.g. yealinkT28_1) from the pull-down list of **Identity/Device Profile Name**. Enter the alternate extension (e.g. 2413333607_1) in the ***Line/Port** field. Select the domain name (e.g. as.iop1.broadworks.net) from the pull-down list followed by **@**.



8. Click **OK** to save the settings.
9. Repeat steps 5 to 6 to configure more alternate extensions.

For more information on the configuration of the SCA, refer to BroadWorks Service Guide [2].

Note The primary account and the alternate accounts should be assigned to different device profiles.

Configuring the Yealink IP Phone

The SCA feature is configurable using the template configuration files or the web user interface.

To configure the SCA feature using the template configuration files:

1. Register the primary account on the IP phone using the template configuration file (%BWMACADDRESS%.cfg):

- Create the BroadWorks Device Profile (e.g. yealinkT28).

  For more information, refer to Creating the BroadWorks Device Profile on page 23.
- Assign the device profile (e.g. yealinkT28) to the primary account (e.g.2413333607).

  For more information, refer to Assigning the Device Profile to the user on page 32.
- Register the primary account on the IP phone using the template configuration file (%BWMACADDRESS%.cfg):

  Use the following parameters to configure the SCA:

  The "x" is an integer which specifies the line number on the IP phone. If the user (e.g. 2413333607) is the first user assigned to the device profile, "x" indicates "1".

Parameter	Description	Value
account.x.enable	Enables or disables the line. "0"=disable,"1"=enable	%BWLINE-BINARY-x%
account.x.label	Configures the label to be displayed on the phone when the phone is idle.	%BWEXTENSION-x%
account.x.display_name	Configures the name to be displayed on the called party when the phone plays a call.	%BWCLID-x%
account.x.auth_name	Configures authentication ID for the line.	%BWAUTHUSER-x%
account.x.password	Configures authentication password for the line.	%BWAUTHPASSWORD-x%
account.x.user_name	Configures the user ID for the line.	%BWLINEPORT-x%

Parameter	Description	Value
account.x.sip_server_host	Configures the SIP server address.	%BWHOST-x%
account.x.sip_server_port	Configures the SIP server port.	5060
account.x.outbound_proxy_enable	Enables or disables the outbound proxy server.	%USE_SBC_BOOLEAN%
account.x.outbound_host	Configures the outbound proxy server address.	%SBC_ADDRESS%
account.x.outbound_port	Configures the outbound proxy server port	%SBC_PORT%
account.x.shared_line	Configures the line to be private or shared. "0"=private,"1"=shared	%BWSHAREDLINE-BINARY-x%

Upload the template configuration file (%BWMACADDRESS%.cfg).

For more information, refer to Uploading Device Template Configuration Files on page 26.

After the above configurations, the tags in the template file (%BWMACADDRESS%.cfg) will be replaced by the actual parameter values. As shown in the following ("x"indicates"2"):

```
account.2.enable = 1
account.2.label =3607
account.2.display_name =3607 yealink
account.2.auth_name =2413333607
account.2.password = yealink1105
account.2.user_name = 2413333607
account.2.sip_server_host = as.iop1.broadworks.net
account.2.sip_server_port = 5060
account.2.outbound_proxy_enable = 1
account.2.outbound_host = 199.19.193.9
account.2.outbound_port = 5060
account.2.shared_line = 1
```

If you are using Yealink SIP-T3xG or VP530 IP phones, you need to configure the shared line key.

Configure the shared line key using the template configuration file (e.g. y000000000000.cfg):

You can configure the memory key as the shared key.

The "x" is an integer which specifies the number of the memory key.

Parameter	Description	Value
memorykey.x.line	Specifies the corresponding line apply to shared line. The value 0 stands for line 1.	Integer
memorykey.x.type	Defines the memory key type, the number 21 corresponds to shared line.	Integer
memorykey.x.value	Enters the primary account	String

The following is an example of configuring the memory keys 1 as the shared line key, which applies to line 2:

```
memorykey.1.line = 1
memorykey.1.type = 21
memorykey.1.value = 2413333607
```

You can also configure the line key as the shared line key.

The "x" is an integer which specifies the number of the line key.

Parameter	Description	Value
linekey.x.line	Specifies the corresponding line apply to shared line. The value 0 stands for line 1.	Integer
linekey.x.type	Defines the line key type, the number 21 corresponds to shared line.	Integer
linekey.x.value	Enters the primary account	String

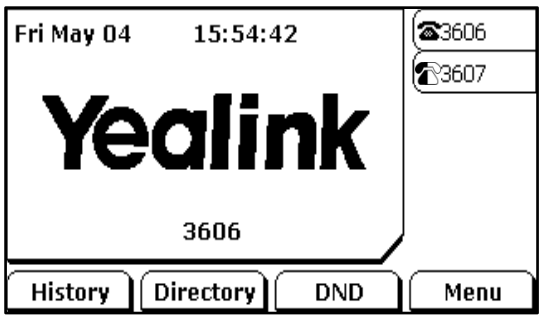
The following is an example of configuring the line key 1 as the shared line, which applies to line 2:

```
linekey.1.line =1
linekey.1.type =21
linekey.1.value = 2413333607
```

After downloading the configuration files, the primary IP phone LCD screen describes as follows:

If you are using Yealink SIP-T3xG or VP530 IP phones, the shared line icon is the same as the private line icon.

If you are using other IP phones, the shared line is indicated by a different line icon. In the following figure, the first line is private and the second line is shared.



2. Register the alternate account on the other IP phone using the template configuration file (%BWMACADDRESS%.cfg):

- Create the BroadWorks Device Profile (e.g. yealinkT28_1).

  For more information, refer to Creating the BroadWorks Device Profile on page 23.

- Register the alternate account on the other IP phone using the template configuration file (%BWMACADDRESS%.cfg):

  The "x" is an integer which specifies the line number on the IP phone. If the user is the first user assigned to the device profile, "x" indicates "1".

```
account.x.enable = %BWLINE-BINARY-x%
account.x.label =%BWEXTENSION-x%
account.x.display_name =%BWCLID-x%
account.x.auth_name = %BWAUTHUSER-x%
account.x.password = %BWAUTHPASSWORD-x%
account.x.user_name = %BWLINEPORT-x%
account.x.sip_server_host = %BWHOST-x%
account.x.sip_server_port = 5060
account.x.outbound_proxy_enable = %USE_SBC_BOOLEAN%
account.x.outbound_host = %SBC_ADDRESS%
account.x.outbound_port = %SBC_PORT%
account.x.shared_line = %BWSHAREDLINE-BINARY-x%
```

- Upload the template configuration file (%BWMACADDRESS%.cfg).

  For more information, refer to Uploading Device Template Configuration Files on page 26.

  After the above configurations, the tags in the template file (%BWMACADDRESS%.cfg) will be replaced by the actual parameter values. As shown in the following ("x" indicates "2"):

```
account.2.enable = 1
account.2.label =3607
account.2.display_name =3607 yealink
```

```
account.2.auth_name = 2413333607
account.2.password = yealink1105
account.2.user_name = 2413333607_1
account.2.sip_server_host = as.iop1.broadworks.net
account.2.sip_server_port = 5060
account.2.outbound_proxy_enable = 1
account.2.outbound_host = 199.19.193.9
account.2.outbound_port = 5060
account.2.shared_line = 1
```

If you are using Yealink SIP-T3xG or VP530 IP phones, you need to configure the shared line key.

Configure the shared line key using the template configuration file (e.g. y000000000000.cfg):

You can configure the memory key as the shared key.

The "x" is an integer which specifies the number of the memory key.

Parameter	Description	Value
memorykey.x.line	Specifies the corresponding line apply to shared line. The value 0 stands for line 1.	Integer
memorykey.x.type	Defines the memory key type, the number 21 corresponds to shared line.	Integer
memorykey.x.value	Enters the primary account	String

The following is an example of configuring the memory keys 1 as the shared line key, which applies to line 2:

```
memorykey.1.line = 1
memorykey.1.type = 21
memorykey.1.value = 2413333607
```

You can also configure the line key as the shared line key.

The "x" is an integer which specifies the number of the line key.

Parameter	Description	Value
linekey.x.line	Specifies the corresponding line apply to shared line. The value 0 stands for line 1.	Integer
linekey.x.type	Defines the line key type, the number 21 corresponds to shared line.	Integer

Parameter	Description	Value
linekey.x.value	Enters the primary account	String

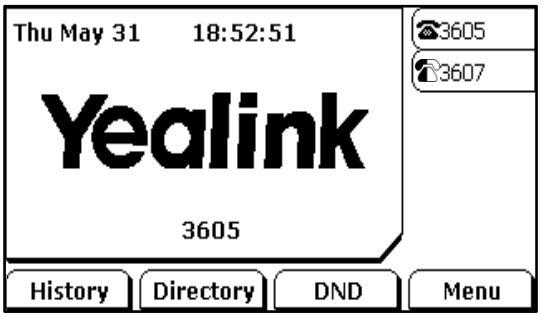
The following is an example of configuring the line key 1 as the shared line, which applies to line 2:

```
linekey.1.line =1
linekey.1.type =21
linekey.1.value = 2413333607
```

After downloading the configuration files, the alternate IP phone LCD screen describes as follows:

If you are using Yealink SIP-T3xG or VP530 IP phones, the shared line icon is the same as the private line icon.

If you are using other IP phones, the shared line is indicated by a different line icon. In the following figure, the first line is private and the second line is shared.



3. Repeat the step 2 to register more alternate accounts on other IP phones using the template configuration file.

You can also configure the SCA feature via web user interface at the path **Account->Advanced**.

For more information on how to configure the SCA feature via web user interface, refer to Phone Features integrated with BroadWorks User Guide [3].

Feature Synchronization

The Feature Synchronization provides the capability to synchronize the following BroadWorks feature status with the IP phone.

- Do Not Disturb
- Call Forwarding Always (CFA)
- Call Forwarding Busy (CFB)
- Call Forwarding No Answer (CFNA)
- ACD state

If Feature Synchronization is enabled, a user changes the status of one of these features via web portal or feature access code (FAC), the BroadWorks server notifies the phone of the status change. Conversely, if the user changes the feature status on the phone, the IP phone notifies the BroadWorks server of the status change.

Configuring the Yealink IP Phone

The Feature Synchronization is configurable using the template configuration files or the web user interface.

To configure the Feature Sync using the template configuration files:

1. Configure the Feature Sync using the template configuration file (e.g. y000000000000.cfg):

   Use the following parameters to configure the Feature Key Sync:

Parameter	Description	Value
bw.feature_key_sync	Enables or disables the Feature Sync feature: "0"=disable,"1"=enable	%FEATURE_KEY_SYN%

2. Customize the static tag. The tag name is % FEATURE_KEY_SYN % and the tag value is 1.

   For more information, refer to Customizing Static Tags on page 24.

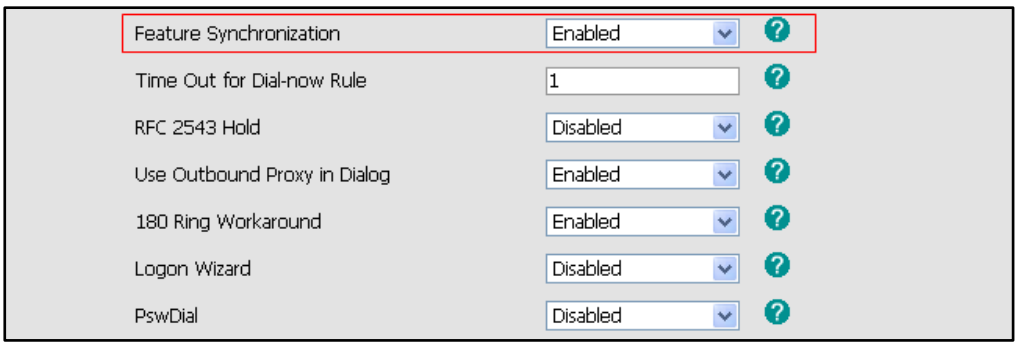
   After the above configurations, the tags in the template file (e.g. y000000000000.cfg) will be replaced by the actual parameter values. As shown in the following:

   ```
   bw.feature_key_sync=1
   ```

3. Upload the template configuration file (e.g. y000000000000.cfg).

For more information, refer to Uploading Device Template Configuration Files on page 26.

After downloading the configuration files, the configuration of the IP phone appears as follows:



You can also configure the Feature Sync via web user interface at the path **Phone->Features**.

For more information on how to configure the Feature Synchronization via web user interface, refer to Phone Features integrated with BroadWorks User Guide [3].

Automatic Call Distribution

The Automatic Call Distribution (ACD) feature is often used in offices for customer service, such as call center. The ACD system handles incoming calls by automatically queuing and directing calls to available agents. To use this feature, you should configure an ACD key on your IP phone in advance.

After configuring an ACD key on your IP phone, you can press the ACD key to log in the ACD system. After logging in, you are ready to receive calls from the ACD system. You can press the ACD key to show the ACD status. You can also press the **Avail/Unavail** soft key to change the ACD status. The system server monitors the ACD status on your IP phone to decide whether or not to assign the incoming calls. To log out the ACD system, press the **Logout** soft key.

Configuring the BroadWorks Server

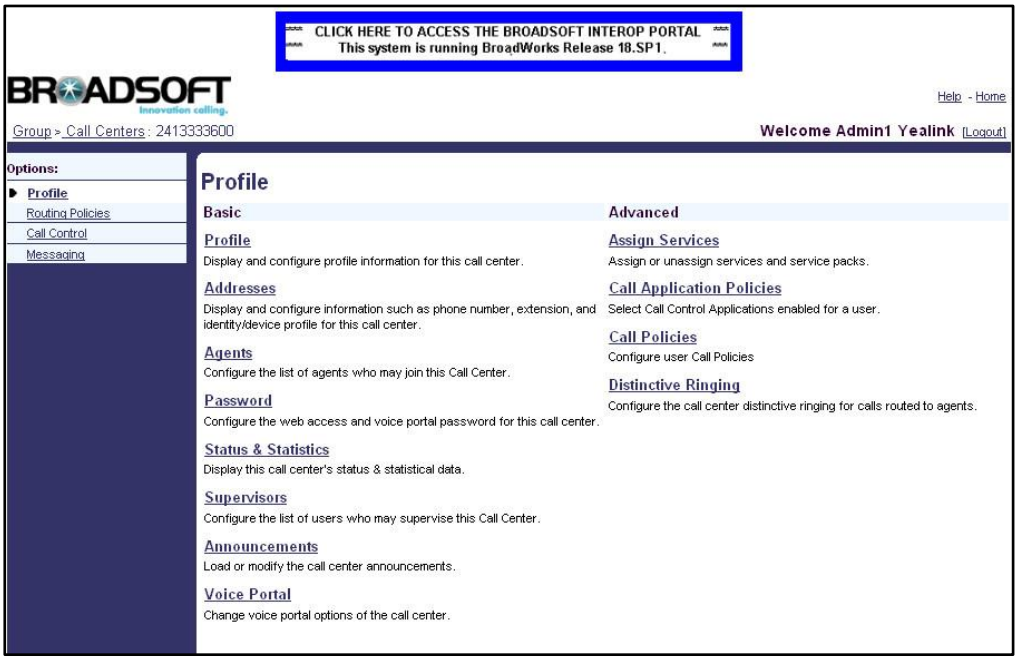
To create a call center on the BroadWorks server:

1. Login to the web portal as the group administrator.
2. Click **Call Center**->**Call Centers**->Add **Standard** (or Add **Premium**) to add a Standard (or Premium) call center.
3. After creating the call center, go back to **Call Center**->**Call Centers** and check the **Active** checkbox for the call center.

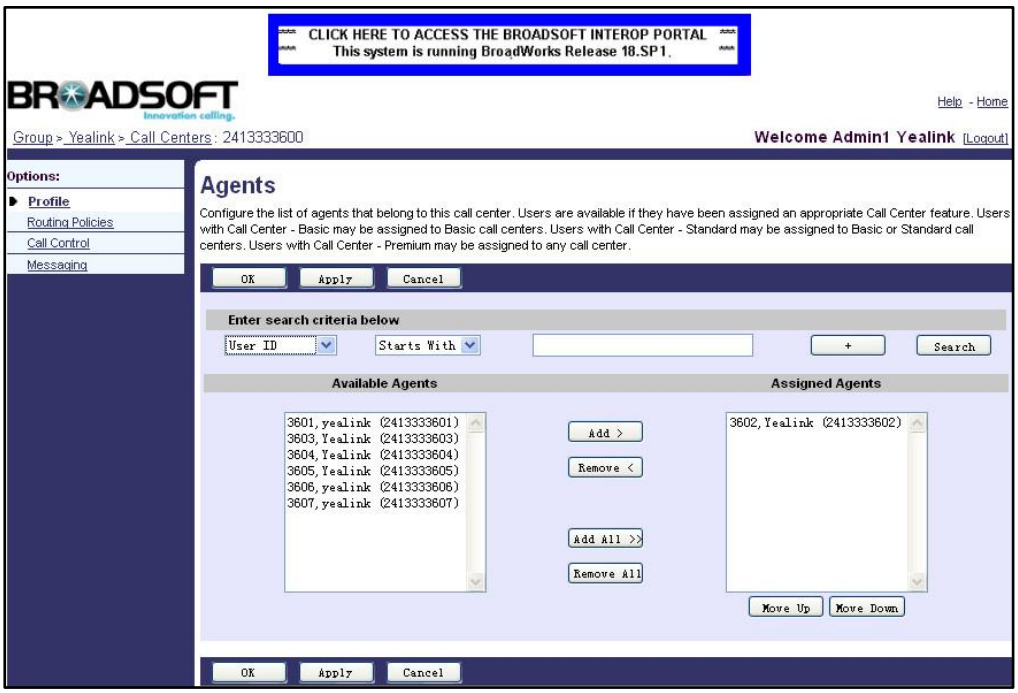
To assign the agents to the call center on the BroadWorks server:

1. Login to the web portal as the group administrator.
2. Click on **Call Center**->**Call Centers**, browse to the call center created above and click Edit.

3. Click on **Agents**.



4. Click **Search** to display all available agents.
5. In the **Available Agents** box, select the desired agent (e.g. 3602) and click **Add>** to assign it to the call canter.

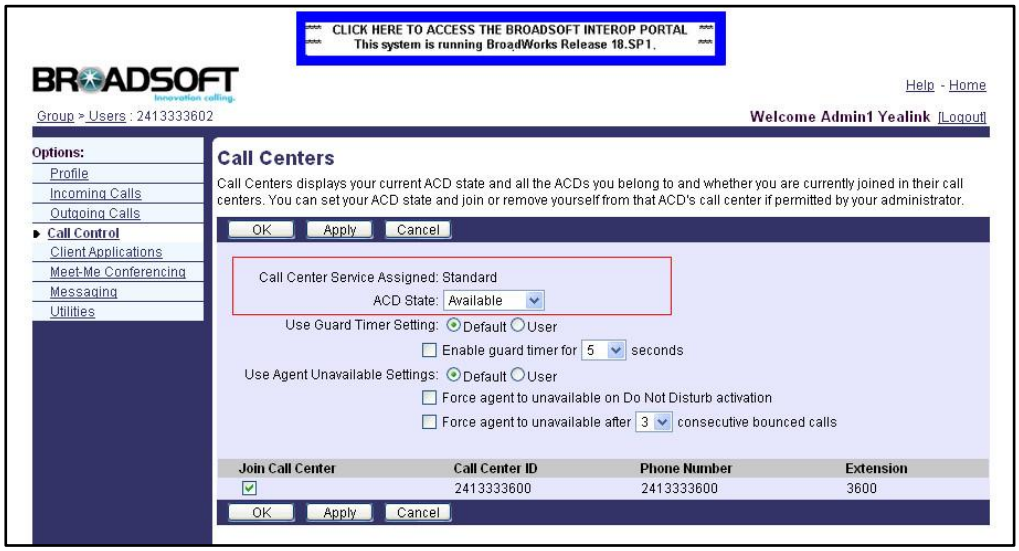


6. Repeat step 5 to assign more agents to the call center.
7. Click **Apply** to save the settings.

To configure the ACD state on the BroadWorks server:

1. Login to the web portal as the group administrator.

2. Click on **Users->Search**.
3. Select one of the call center agents.
4. Click on **Call Control ->Call Centers**.



5. Select the desired state from the pull-down list of **ACD State**.
6. Click **Apply** to save the settings.

For more information on the configuration of the Call Center, refer to BroadWorks Service Guide [2].

Configuring the Yealink IP Phone

The ACD feature is configurable using the template configuration files or the web user interface.

To configure the ACD feature using the template configuration files:

1. Create the BroadWorks Device Profile (e.g. yealinkT28).

For more information, refer to Creating the BroadWorks Device Profile on page 23.

2. Assign the device profile (e.g. yealinkT28) to the user (e.g.2413333602).

For more information, refer to Assigning the Device Profile to the user on page 32.

3. Register the account using the template configuration file (%BWMACADDRESS%.cfg):

   The "x" is an integer which specifies the line number on the IP phone. If the user is the first user assigned to the device profile, "x" indicates "1".

```
account.x.enable = %BWLINE-BINARY-x%
account.x.label =%BWEXTENSION-x%
account.x.display_name =%BWCLID-x%
account.x.auth_name = %BWAUTHUSER-x%
```

```
account.x.password = %BWAUTHPASSWORD-x%
account.x.user_name = %BWLINEPORT-x%
account.x.sip_server_host = %BWHOST-x%
account.x.sip_server_port = 5060
account.x.outbound_proxy_enable = %USE_SBC_BOOLEAN%
account.x.outbound_host = %SBC_ADDRESS%
account.x.outbound_port = %SBC_PORT%
```

4. Configure the ACD key using the template configuration file (e.g.y000000000000.cfg):

   Use the following parameters to configure the ACD key:

   You can configure the memory key as ACD key.

   The "x" is an integer which specifies the number of the memory key.

Parameter	Description	Value
memorykey.x.line	Specifies the corresponding line apply to ACD. The value 0 stands for line 1.	Integer
memorykey.x.type	Defines the memory key type, the number 42 corresponds to ACD.	Integer

   The following is an example of configuring the memory key 1 as ACD key, which applies to line 1:

```
memorykey.1.line = 0
memorykey.1.type = 42
```

   You can also configure the line key as ACD key.

   The "x" is an integer which specifies the number of the line key.

Parameter	Description	Value
linekey.x.line	Specifies the corresponding line apply to ACD. The value 0 stands for line 1.	Integer
linekey.x.type	Defines the line key type, the number 42 corresponds to ACD.	Integer

   The following is an example of configuring the line key 1 as ACD key, which applies to line 1:

```
linekey.1.line =0
linekey.1.type =42
```

5. Configure the Feature Key Sync using the template configuration file (e.g. y000000000000.cfg):

```
bw.feature_key_sync = 1
```

For more information, refer to Feature on page 47.

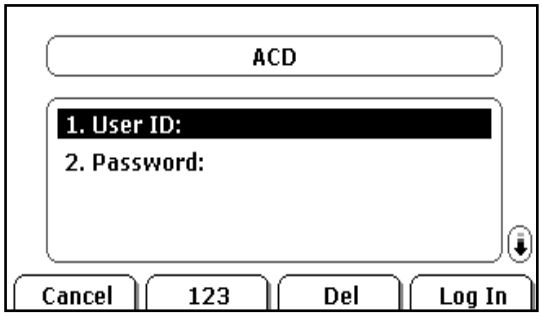
6. Upload the template configuration files.

For more information, refer to Uploading Device Template Configuration Files on page 26.

After the above configurations, the tags in the template file (%BWMACADDRESS%.cfg) will be replaced by the actual parameter values. As shown in the following ("x" indicates "1"):

```
account.1.enable = 1
account.1.label =3602
account.1.display_name =3602 yealink
account.1.auth_name = 2413333602
account.1.password = yealink1105
account.1.user_name = 2413333602
account.1.sip_server_host = as.iop1.broadworks.net
account.1.sip_server_port = 5060
account.1.outbound_proxy_enable = 1
account.1.outbound_host = 199.19.193.9
account.1.outbound_port = 5060
```

After downloading the configuration files, the IP phone registers the account 3602 for the first line and press the ACD key, the IP phone LCD screen appears as follows:



You can also configure the ACD feature via web user interface at the path **Account** and **Phone ->DSS Keys**.

For more information on how to configure the ACD feature via web user interface, refer to Phone Features integrated with BroadWorks User Guide [3].

Network Conference

The network conference feature allows you to conduct a conference with more than three participants. The maximum of the participants depend on the BroadWorks server. The administrator can configure the network conference on a specific line. The conference URI can be configured on the BoradWorks server via the command line interface. The command line interface access may be restricted on the BroadWoks server. Contact your BroadSoft reseller for the conference URI.

Configuring the Yealink IP Phone

The network conference feature is configurable using the template configuration files or web user interface.

To configure the network conference using the template configuration files:

1. Configure the network conference using the template configuration file (e.g. %BWMACADDRESS%.cfg):

   Use the following parameters to configure the network conference:

   The "x" is an integer which specifies the line number on the IP phone.

Parameter	Description	Value
account.x.conf_type	Defines the conference type: "0"=Local, "2"=Network	Integer
account.x.conf_uri	Sets the URI of the network conference.	%BWNETWORK-CONFERENCE-SIPURI-x%

   The following is an example of configuring the network for the first line in the template configuration file:

```
account.1.conf_type=2
account.1.conf_uri=%BWNETWORK-CONFERENCE-SIPURI-1%
```

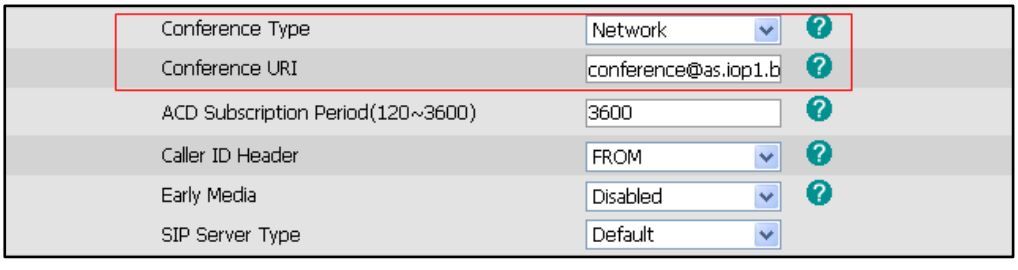
2. Upload the template configuration file (e.g. %BWMACADDRESS%.cfg).

For more information, refer to Uploading Device Template Configuration Files on page 26.

After the above configurations, the tags in the template file (%BWMACADDRESS%.cfg) will be replaced by the actual parameter values. As shown in the following ("x"indicates"1"):

```
account.1.conf_uri = conference@as.iop1.broadworks.net
```

After downloading the configuration files, the configuration of the IP phone appears as follows:



You can also configure the network conference via web user interface at the path **Account**.

For more information on how to configure the network conference via web user interface, refer to Phone Features integrated with BroadWorks User Guide [3].

Phonebook

You can access the BroadSoft directory through the IP phone. You can add contacts from the BroadSoft directory to your local directory. You can also dial a contact from the BroadSoft directory. The BoradWorks server provides four types of directory: Enterprise Directory, Group Directory, Personal Directory and Common Directory. The Common Directory is not supported by Yealink IP phones.

- Enterprise Directory: It contains all the contacts of the same enterprise provisioned on the BroadWorks server. Each entry in the directory contains the name of the entity with their user ID, extension, group, department, etc. The enterprise directory can be viewed by all the users in the enterprise.
- Group Directory: It contains all the contacts of the same group provisioned on the BroadWorks server. Each entry in the directory contains the name of the entity with their user ID, extension, department, etc. The group directory can be viewed by all the users in the group.
- Common Directory: It contains the Enterprise Common Directory and Group Common Directory.
- Personal Directory: It contains a list of personal contacts on the BroadWorks server. Each entry in the directory contains the name and phone number. You can add the entries to your personal phone list on the BroadWorks server.

You can configure your IP phone to access up to 6 directory items.

Configuring the BroadWorks Server

To add a user to the Enterprise/Group Directory via web user interface:

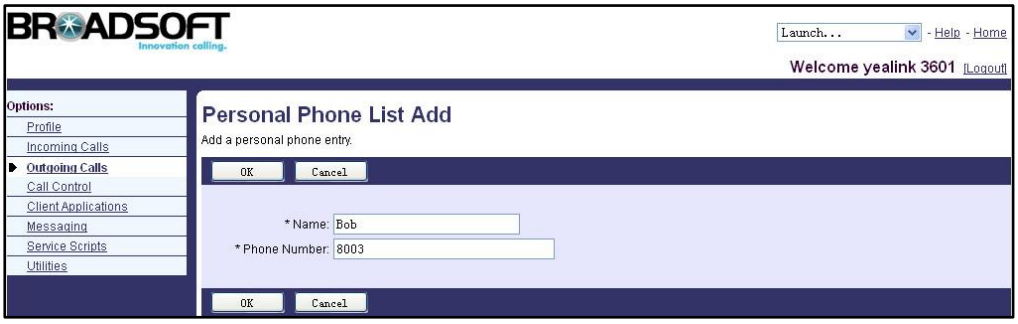
1. Login to the web portal as the system administrator.
2. Click on **Profile**->**Users**.
3. Click on **Add** to add the user to the Enterprise/Group Directory.
4. Click **Apply** to save the change.

Then the user appears in the Enterprise/Group Directory.

To add an entry to the personal phone list via web user interface:

1. Login to the web portal as one of the users provisioned on the BroadWorks server.
2. Click on **Outgoing Calls**->**Personal Phone List**.
3. Click on **Add**.
4. Enter the name in the **Name** field.

5. Enter the extension in the **Phone Number** field.



6. Click **OK** to save the change.

Then the entry is added to the user's personal phone list.

The user can also import personal phone list entries from an existing comma-delimited text file (file format must be .CSV). To produce a comma-delimited text file, see the instructions for a program such as Microsoft Outlook, Word, or Excel.

To import a comma-delimited text file via web user interface:

1. Login in as one of the users provisioned on the BroadWorks server.
2. Click on **Outgoing Calls**->**Personal Phone List**.
3. Click on **Import Phone List**.
4. Click **Browse** to select the .CSV file from your local system and click on **Open**.
   The .CSV file must have headings "Name" and "Number".
5. Click **Apply** to save the change.

Then the entries in the .CSV file are added to the user's personal phone list.

The following is an example of the entries in an import list created in a text file before the file was converted to a .CSV file.

```
"Name","Number"
"Bob ","8003"
"Jony ","8001"
"Jane ","8005"
"John ","8009"
```

Configuring the Yealink IP Phone

The phonebook feature is configurable using the template configuration files or the web user interface.

To configure the phonebook using the template configuration files:

1. configure the phonebook using the template configuration file (e.g.y000000000000.cfg)

   Use the following parameters to configure the phonebook ("x" ranges from"1"

to"6"):

Parameter	Description
bw_phonebook.data.x.server	Sets the access URL of the BroadSoft phonebook.
bw_phonebook.data.x.port	Sets the access port of the BroadSoft phonebook.
bw_phonebook.data.x.username	Sets the username to load the BroadSoft phonebook.
bw_phonebook.data.x.password	Sets the password to load the BroadSoft phonebook.
bw_phonebook.data.x.name	Defines the name of the BroadSoft phonebook.

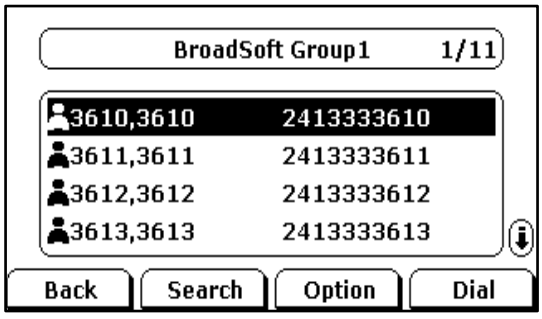
The following is an example of configuring the user 2413333614's phonebook named BroadSoft Group1:

```
bw_phonebook.data.1.server=http://xsp1.iop1.broadworks.net/com.
                           broadsoft.xsi-actions/v1.0/user/2413
                           333614@as.iop1.broadworks.net/direct
                           ories/Group
bw_phonebook.data.1.port =
bw_phonebook.data.1.username = 2413333614@as.iop1.broadworks.net
bw_phonebook.data.1.password = yealink
bw_phonebook.data.1.name = BroadSoft Group1
```

2. Upload the template configuration file (e.g. y000000000000.cfg).

   For more information, refer to Uploading Device Template Configuration Files on page 26.

After downloading the configuration files, you can access the BroadSoft phonebook at path **Directory->Broadsoft** via the phone user interface. The phone connects to load the BroadSoft phonebook, and then displays the BroadSoft contact list as follows:



You can also configure the phonebook feature via web user interface at the path **Contacts->BroadSoft**.

For more information on how to configure the phonebook feature via web user interface, refer to Phone Features integrated with BroadWorks User Guide [3].

Call Log

You can access the call log of the desired BroadSoft user through your IP phone. The call log contains call information such as remote party identification, time and date. You can check the call log, dial a call, add a contact or delete an entry from the call log list. The BroadSoft call log allows users to view and dial the stored numbers in the following lists: Missed, Received, and Placed.

You can configure your IP phone to access up to 3 call log items.

Configuring the Yealink IP Phone

The call log feature is configurable using the template configuration files or the web user interface.

To configure the call log using the template configuration files:

1. Configure the call log using the template configuration file (e.g.y000000000000.cfg):

   Use the following parameters to configure the call log ("x" ranges from"1" to"3"):

Parameter	Description
bw_call_log.data.x.server	Sets the access URL of the BroadSoft call log.
bw_call_log.data.x.port	Sets the access port of the BroadSoft call log.
bw_call_log.data.x.username	Sets the password to load the BroadSoft call log.
bw_call_log.data.x.password	Sets the password to load the BroadSoft call log.
bw_call_log.data.x.name	Defines the name of the BroadSoft call log.

   The following is an example of configuring the user 2413333614's call log lists named missed, placed and placed.

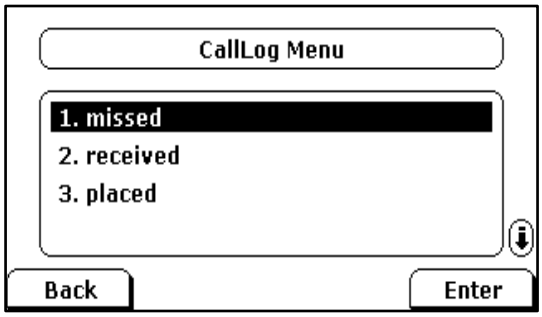
```
bw_call_log.data.1.server=http://xsp1.iop1.broadworks.net/com.b
                          roadsoft.xsi-actions/v1.0/user/241333
                          3614@as.iop1.broadworks.net/directori
                          es/calllogs/missed
bw_call_log.data.1.port =
bw_call_log.data.1.username = 2413333614@as.iop1.broadworks.net
bw_call_log.data.1.password = yealink
bw_call_log.data.1.name = missed
bw_call_log.data.2.server=http://xsp1.iop1.broadworks.net/com.b
                          roadsoft.xsi-actions/v1.0/user/241333
                          3614@as.iop1.broadworks.net/directori
                          es/calllogs/received
```

```
bw_call_log.data.2.port =
bw_call_log.data.2.username = 2413333614@as.iop1.broadworks.net
bw_call_log.data.2.password = yealink
bw_call_log.data.2.name = received
bw_call_log.data.3.server=http://xsp1.iop1.broadworks.net/com.b
                          roadsoft.xsi-actions/v1.0/user/241333
                          3614@as.iop1.broadworks.net/directori
                          es/calllogs/placed
bw_call_log.data.3.port =
bw_call_log.data.3.username = 2413333614@as.iop1.broadworks.net
bw_call_log.data.3.password = yealink
bw_call_log.data.3.name = placed
```

2. Upload the template configuration file (e.g. y000000000000.cfg).

   For more information, refer to Uploading Device Template Configuration Files on page 26.

After downloading the configuration files, you can access the BroadSoft call log list at path **Menu->History Type->Network CallLog** via the phone user interface. The phone displays the call log list as follows:



You can also configure the call log feature via web user interface at the path **Contacts->Call Log**.

For more information on how to configure the call log feature via web user interface, refer to Phone Features integrated with BroadWorks User Guide [3].

Upgrading Firmware

To upgrade firmware using the template configuration files:

1. Upgrade firmware using the template configuration file (e.g. y000000000000.cfg):

   ```
   firmware.url=http://%BWDEVICEACCESSFQDN%:%BWDEVICEACCESSPORT%/%
   BWDMSCONTEXT%/%BWDEVICEACCESSURI%%FIRMWARE_VERSION%
   ```

2. Customize the static tag. The tag name is %FIRMWARE_VERSION% and the tag value is firmware version (e.g. 20.70.0.10.rom).

   For more information, refer to Customizing Static Tags on page 24.

3. Upload the firmware (e.g. 20.70.0.10.rom).

   For more information, refer to Uploading Static Files on page 31.

4. Upload the template configuration file (e.g. y000000000000.cfg).

   For more information, refer to Uploading Device Template Configuration Files on page 26.

   After the above configurations, the tags in the template file (e.g. y000000000000.cfg) will be replaced by the actual parameter values. As shown in the following:

   firmware.url = http://xsp1.iop1.broadworks.net:80/dms/YealinkT28P/20.70.0.10.rom

You can also upgrade the firmware using the web user interface at the path: **Upgrade->Basic**.

For more information on how to upgrade the firmware, refer to Yealink IP phones Family Administrator Guide [4].

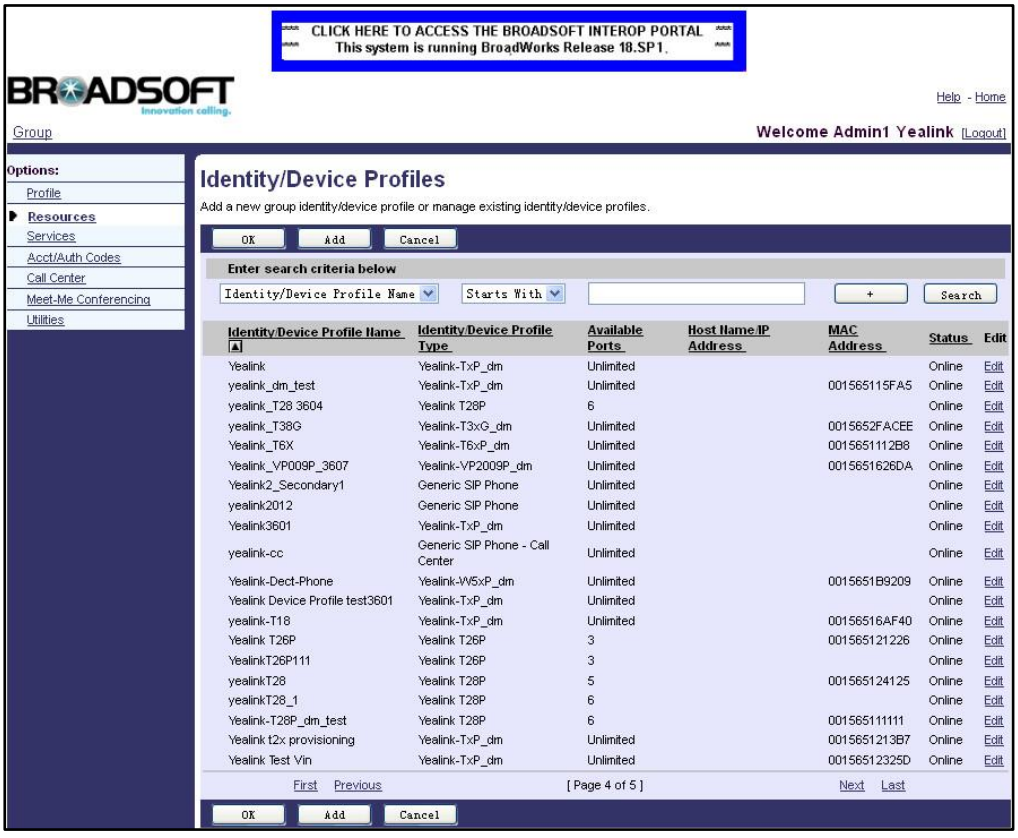
Downloading and Verifying Configurations

Downloading Configuration Files

Once obtaining the access URL, the phone will connect to the BroadWorks server and download the configuration files. You should check the BroadWorks server settings and configure the Yealink IP phone in advance.

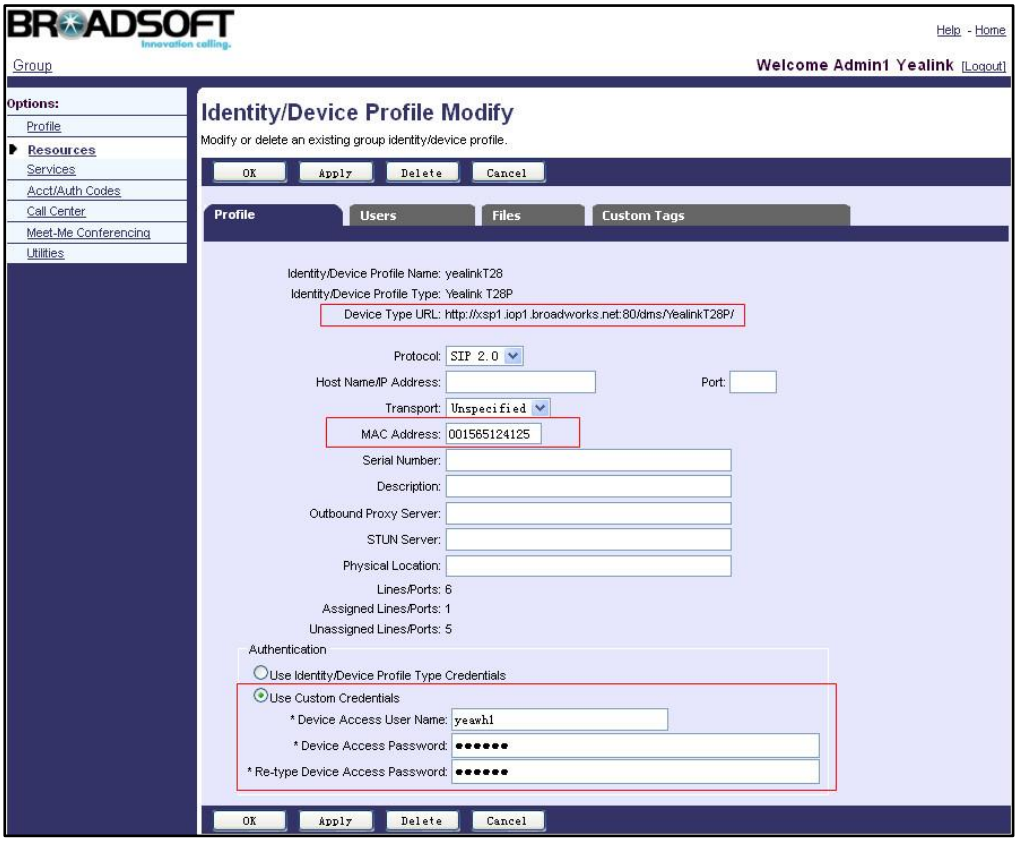
To check the BroadWorks server settings:

1. Login to the web portal as the group administrator.
2. Click on **Resources**->**Identity/Device Profiles**.
3. Click **Search** to display all the existing device profiles. Click **Next** to turn to the next page.



4. Select the desired device profile (e.g. yealinkT28) to edit.
5. Click on **Profile** tab.

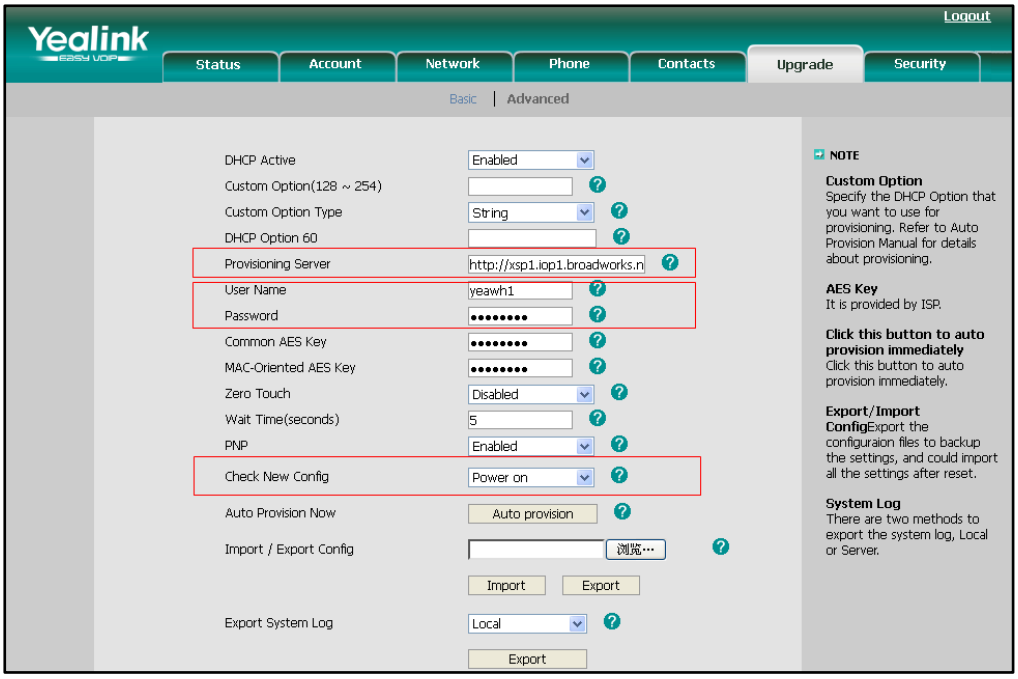
6. Check the parameters: URL, mac address, username and password in the corresponding fields.



To configure the Yealink IP phone:

1. Log in to the web user interface as admin.
2. Click on **Upgrade->Advanced**.
3. Enter the parameters: URL, account and password in the corresponding fields.

4. Select **Power On** from the pull-down list of **Check New Config**.



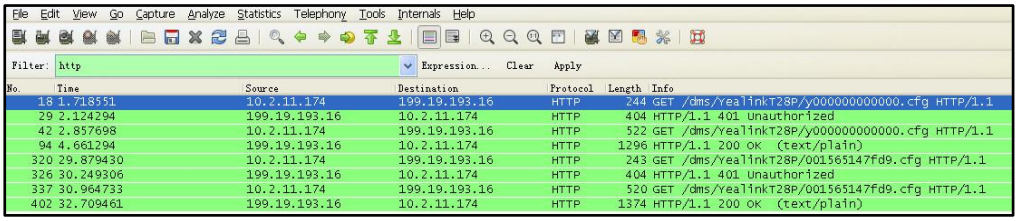
5. Click **Confirm** to save the settings.

   After the above the configurations, reboot the IP phone. The IP phone will try to download the configuration files from the BroadWorks server.

Verifying Configurations

After auto provisioning, the IP phone reboots in some cases. You can verify it via phone user interface or web user interface of the phone. During the auto provisioning process, you can monitor the downloading request and response message by a WinPcap tool.

Example: Yealink IP phone downloads configuration files by HTTP.



Appendix

Sample Template Configuration Files

The following template configuration files should be used for reference only.

```
##############################################################
##                    Common CFG FILE START                 ##
##############################################################

#!version:1.0.0.1

##File header "#!version:1.0.0.1" can not be edited or deleted.##

##############################################################
##                    Network Settings                      ##
##############################################################
#Configure the WAN port type;     0-DHCP(default), 1-PPPoE, 2-Static IP Address
network.internet_port.type = 0

#Configure the Static IP address,mask,gateway and DNS server
network.internet_port.ip =
network.internet_port.mask =
network.internet_port.gateway =
network.primary_dns= %DNS_SERVER_1%
network.secondary_dns = %DNS_SERVER_2%

#Configure the Speed of WAN port; 0-auto negotiate(default), 1-full duplex 10Mbps, 2-full
duplex 100Mbps, 3-half duplex 10Mbps, 4-half duplex 100Mbps;for SIP-T2xP only;
network.internet_port.speed_duplex = 0

#Configure the user and password for PPPOE connection;
#Require reboot;
network.pppoe.user =
network.pppoe.password =

#Configure the PC port type;0-Router,1-Bridge(default); for SIP-T2xP/SIP-T3xG only;
#Require reboot;
network.bridge_mode = 1

#Configure the IP Address and mask when the LAN is Configure as Router; for
SIP-T2xP/SIP-T3xG only;
```

#Require reboot;
network.pc_port.ip = 10.0.0.1
network.pc_port.mask = 255.255.255.0
#Enable or disable the DHCP server when the LAN port is configure as Router, 0-Disabled, 1-Enabled(default); for SIP-T2xP/SIP-T3xG only;
#Require reboot;
network.pc_port.dhcp_server = 1

#Configure the start and end IP addresses for the DHCP; 10.0.0.10 for start ip and 10.0.0.100 for end IP by default; for SIP-T2xP/SIP-T3xG only;
#Require reboot;
network.dchp.start_ip = 10.0.0.10
network.dchp.end_ip = 10.0.0.100

#Configure the speed of PC port; 0-auto negotiate(default), 1-full duplex 10Mbps, 2-full duplex 100Mbps, 3-half duplex 10Mbps, 4-half duplex 100Mbps; for SIP-T2xP only;
network.pc_port.speed_duplex = 0

#Enable or disable the internet port VLAN, 0-Disabled(default), 1-Enabled;
#Require reboot;
network.vlan.internet_port_enable = 0

#Configure the VLAN ID, ranges from 0 to 4094, (0 by default);
#Require reboot;
network.vlan.internet_port_vid = 0

#Configure the VLAN priority, ranges from 0 to 7,(0 by default);
#Require reboot;
network.vlan.internet_port_priority = 0

#Enable or disable the PC port VLAN; 0-Disabled(default), 1-Enabled;for SIP-T2xP/SIP-T3xG only;
#Require reboot;
network.vlan.pc_port_enable = 0

#Configure the VLAN ID, ranges from 0 to 4094, (0 by default); for SIP-T2xP/SIP-T3xG only;
#Require reboot;
network.vlan.pc_port_vid = 0

#Configure the VLAN priority, ranges from 0 to 7,(0 by default);for SIP-T2xP/T3xG only;
network.vlan.pc_port_priority = 0

#Configure the access type of the web user interface; 0-Disable, 1-HTTP & HTTPS(default), 2-HTTP Only 3-HTTPS Only; for SIP-T2xP/SIP-T3xG only;

#Require reboot;
network.web_server_type = 1

#Configure the ports for HTTP (80 by default) and HTTPS (443 by default) servers;
#Require reboot;
network.port.http = 80
network.port.https = 443

#Configure the maximum local rtp port, ranges from 0 to 65535 (11800 by default);
#Require reboot;
network.port.max_rtpport = 11800

#Configure the minimum local rtp port, ranges from 0 to 65535 (11780 by default);
#Require reboot;
network.port.min_rtpport = 11780

#Configure the voice qos, ranges from 0 to 63 (40 by default);
#Require reboot;
network.qos.rtptos = 40

#Configure the SIP qos, ranges from 0 to 63 (26 by default);
#Require reboot;
network.qos.signaltos = 26

# Configure the 802.1X mode; 0-disable(default), 1-enable(EAP-MD5)
network.802_1x.mode = 0

#Configure the username and password for 802.1x authentication;
#Require reboot;
network.802_1x.identity =
network.802_1x.md5_password =

#Enable or disable the VPN feature; 0-Disabled(default), 1-Enabled;
#Require reboot;
network.vpn_enable = 0

#Enable or disable the LLDP feature; 0-Disabled, 1-Enabled(default);
#Require reboot;
network.lldp.enable = 0

#Configure the interval(in seconds) of broadcasting the LLDP request, ranges from 1 to 3600 (120 by default);
#Require reboot;
network.lldp.packet_interval = 120

```
#Eable or disable the span to PC port; 0-disable(default),  1-enable; for SIP-T2xP only;
#Require reboot;
network.span_to_pc_port = 0

#Enable or disable the phone to obtain DNS from DHCP, 0-Disabled, 1-Enabled (default); for
SIP-T3xG only;
network.update_dns_via_dhcp = 1

##############################################################
##                    SNMP Settings      (SIP-T2xP only)                    ##
##############################################################
################################
#Enable or disable the SNMP feature;  0-disable(default), 1-enable
#Require reboot;
network.snmp.enable = 0
#Configure the SNMP port
#Require reboot;
network.snmp.port =
#Configure the ip address of the SNMP server
#Require reboot;
network.snmp.trust_ip =

##############################################################
##                    Syslog server Settings                    ##
##############################################################
#Configure the syslog mode; 0-disable, 1-Local, 2-Server; for VPphone only;
#Require reboot;
syslog.mode = 1

#Configure the IP address of the syslog address;
#Require reboot;
syslog.server =

#Configure the syslog detailed level 0-6, level 3 by default;
#Require reboot;
syslog.log_level = 3

##############################################################
##                    TR069 Settings                    ##
##############################################################

#The TR069 feature is only applicable to some designated firmware version;
#All settings of TR069 require reboot;
#Enable or disable the TR069 feature; 0-Disabled (default), 1-Enabled;
```

managementserver.enable = 0

#Configure the username and password for the phone to authenticate with the ACS;
managementserver.username =
managementserver.password =

#Configure the access URL of the ACS;
managementserver.url =

#Configure the username and password for the phone to authenticate the connection requests;
managementserver.connection_request_username =
managementserver.connection_request_password =

#Enable or disable the phone to report its configuration information to the ACS;
managementserver.periodic_inform_enable = 0

#Configure the interval(in seconds) for the phone to report its configuration information to the ACS (60 by default);
managementserver.periodic_inform_interval = 60

##
auto provisioning
##

#Configure the auto provisioning mode; 0-disable(default), 1-Power on, 2-Repeatedly, 3-Weekly, 4-Power on + Repeated, 5-Power on + Weekly ; for SIP-T2xP only;
auto_provision.mode = 1

#Enable or disable the Plug and Play feature; 0-Disabled, 1-Enabled(default);
auto_provision.pnp_enable = 1

#Configure the repeated period when the auto provisioning mode is Repeatly or Power on+ Repeatly; for SIP-T2xP only;
auto_provision.schedule.periodic_minute = 1

#Configure the week time for auto provisioning when the auto provision is Weekly or Power on + Weekly; for SIP-T2xP only;
auto_provision.schedule.time_from = 00:00
auto_provision.schedule.time_to = 00:00
auto_provision.schedule.dayofweek = 0123456

#Enable or disable the phone to check new configruation when power on, 0-Disabled,

1-Enabled(default); for SIP-T3xG/VPphone only ;
auto_provision.power_on_enable = 1
#Enable or disable the repeatedlly auto provisioning mode, 0-Disabled(default), 1-Enabled; for SIP-T3xG/VPphone only;
auto_provision.repeat.enable = 0
auto_provision.repeat.minutes = 1440

#Enable or disable the weekly auto provisioning mode, 0-Disabled(default), 1-Enabled;for SIP-T3xG/VPphone only;
auto_provision.weekly.enalbe = 0

#Configure the week time, when the auto provisioning mode is set to weekly or power on + weekly; for SIP-T3xG/VPphone only;
auto_provision.weekly.mask = 0123456
auto_provision.weekly.begin_time = 00:00
auto_provision.weekly.end_time = 00:00

#Configure the url of the auto provisioning server;
auto_provision.server.url =

#Configure the username and password for the phone to be authenticated by the auto provisioning server;
auto_provision.server.username =
auto_provision.server.password =

#Enable or disable the DHCP option mode; 0-Disabled, 1-Enabled(default); for SIP-T3xG/VPphone only;
auto_provision.dhcp_option.enable = 1

#Configure the value (manufacturer of the device) of DHCP option 60;
auto_provision.dhcp_option.option60_value =

#Configure the custom DHCP option number, ranges from 128 to 254;
auto_provision.dhcp_option.list_user_options =

#Configure AES key (16 bytes) for decrypting the common CFG file;
auto_provision.aes_key_16.com =

#Configure AES key (16 bytes) for decrypting the MAC-Oriented CFG file;
auto_provision.aes_key_16.mac =

##
Auto Provisioning Code *##*
##

#This feature allows user to perform auto provisioning when entering the predefined auto privisioning code on the phone;
#Require reboot;
"X" ranges from 1 to 50

#Configure the auto provisioning name;
#The value format is String, the maximum length is 100;
#autoprovision.X.name =

#Configure the auto provisioning code;
#The value format is String, the maximum length is 100;
#autoprovision.X.code =

#Configure the url of the auto provisioning server;
#The value format is String, the maximum length is 256;
#autoprovision.X.url =

#Configure the username and password for the phone to be authenticated by the auto provisioning server;
#The value format is String, the maximum length is 100;
#autoprovision.X.user =
#autoprovision.X.password =

#Configure AES key (16 bytes) for decrypting the common CFG file and MAC-Oriented CFG file;
#autoprovision.X.com_aes =
#autoprovision.X.mac_aes =

autoprovision.1.name =
autoprovision.1.code =
autoprovision.1.url =
autoprovision.1.user =
autoprovision.1.password =
autoprovision.1.com_aes =
autoprovision.1.mac_aes =

autoprovision.2.name =
autoprovision.2.code =
autoprovision.2.url =
autoprovision.2.user =
autoprovision.2.password =
autoprovision.2.com_aes =
autoprovision.2.mac_aes =

```
##############################################################
##                      Phone Features                      ##
##############################################################
#Enable or disable the phone to convert pound sign to percent sign 23 when dialing out,
0-Disabled, 1-Enabled(default)
sip.use_23_as_pound = 1

#Enable or disable the RFC2543 Hold feature, 0-Disabled(default), 1-Enabled;
sip.rfc2543_hold = 0

#Enable or disable the phone to send the SIP messages to the outbound server, 0-Disabled,
1-Enabled(default);
sip.use_out_bound_in_dialog = 1

#Configure the registration random time(in seconds), ranges from 0 to 60 (0 by default);
sip.reg_surge_prevention = 0

#Enable or disable the watch dog feature, 0-Disabled, 1-Enabled(default);
watch_dog.enable = 1

#Enable or disable the redirect feature; for SIP-T3xG only;
redirect.enable = 0

#Enable or disable the transferee to display the miss call prompt on the LCD screen when
performing semi_attended transfer;
#0-Disabled, 1-Enabled(default);
transfer.semi_attend_tran_enable = 1

#Enable or disable the phone to complete the blind/attended transfer through on-hook;
#0-Disabled,1-Enabled(default);
transfer.blind_tran_on_hook_enable = 1
transfer.on_hook_trans_enable = 1

#Enable or disable to access the web user interface of phone using the http/https protocol;
for VPphone only;
#0-Disabled,1-Enabled(default);
#Require Reboot;
wui.https_enable = 1
wui.http_enable = 1

#Enable or disable the feature key synchronization, 0-Disabled, 1-Enabled(default);
bw.feature_key_sync = %FEATURE_KEY_SYN%
```

```
##############################################################
##                          Voice                           ##
##############################################################

#Enable or disable the phone to detect the silence, 0-Disbaled (default),1-Enabled; for
SIP-T2xP/SIP-T3xG;
voice.vad = 0

#Enable or disable the phone to generate comfortable noise, 0-Disabled, 1-Enabled
(default); for SIP-T2xP/SIP-T3xG;
voice.cng = 1

#Enable or disable the phone to cancel echo, 0-Disabled, 1-Enabled (default); for
SIP-T2xP/SIP-T3xG;
voice.echo_cancellation = 1

#Configure the side tone,the value ranges from-32768 to -3; the default value is -3; for
SIP-T2xP/SIP-T3xG;
voice.side_tone=   -3

#Configure the sending volume of speaker,handset and headset,(39,27,29 by default); for
SIP-T2xP/SIP-T3xG;
#Require reboot;
voice.handfree_send = 39
voice.handset_send = 27
voice.headset_send = 29

#Configure the type of jitter buffer, 0-Fixed, 1-Adaptive (default); for SIP-T2xP/SIP-T3xG;
voice.jib.adaptive = 1

#Configure the minimum delay(0 by default), maximum delay(300 by default) and normal
delay (120 by default); for SIP-T2xP/SIP-T3xG;
voice.jib.min = 0
voice.jib.max = 300
voice.jib.normal = 120

#Configure the type of voice tone, The valid values can be Custom (default) or the country
name which relates to its own tone rules; for SIP-T2xP/SIP-T3xG;
voice.tone.country = Custom

#Cutom the tone when the "voice.tone.country"is set to Custom;   for SIP-T2xP/SIP-T3xG;
#The value format: A/B/C, means a tone of A Hz with B ms duration, followed by a C ms
pause;
#A ranges from 0 (silence) to
```

voice.tone.dial =
voice.tone.ring =
voice.tone.busy =
voice.tone.congestion =
voice.tone.callwaiting =
voice.tone.dialrecall =
voice.tone.record=
voice.tone.info =
voice.tone.stutter =
voice.tone.message =
voice.tone.autoanswer =

#Configure the receiving volume of Speaker,HandSet and HeadSet,the value ranges from 0 to 15 (8 by default);for SIP-T2xP/SIP-T3xG;
voice.handfree.spk_vol =
voice.handset.spk_vol =
voice.headset.spk_vol =

#Configure the volume of dial tone on handsfree、headset and handset;for SIP-T2xP/SIP-T3xG;
#The value ranges from 0 to 15 (8 by default);
voice.handfree.tone_vol = 8
voice.handset.tone_vol = 8
voice.headset.tone_vol = 8

#Configure the ring volume, the value ranges from 0 to 15, SIP-T2xP/SIP-T3xG(8 by default); VPphone(5 by default);
voice.ring_vol =

#Configure the speaker volume when in the group listening mode; the value ranges from 0 to 15 (8 by default); for SIP-T3xG only;
voice.group_spk_vol = 8

##
Security Settings
##
#Enable or disable the phone to only accept the certificates in the Trusted Certificates list;
#0-Disabled,1-Enabled(default);
security.trust_certificates = 0

#Set the login username of user and administrator; for SIP-T2xP/T3xG only;
#If your username is like this: security.user_name.admin = adminuser;
#and your password must like this: security.user_password = adminuser-adminpassword;
#adminuser is the value of "security.user_name.admin"; adminpassword is the password

you want to set
#e.g.:
security.user_name.admin = adminuser
security.user_password = adminuser:adminpwd
security.user_name.user = user1
security.user_password = user1:user1pwd
security.user_name.var = varuser
security.user_password = varuser:adminpwd

security.user_name.user =
security.user_name.admin =
security.user_name.var =
security.user_password =

#Enable or disable the 3-Level permissions(open var), 0-Disabled(default),1-Enabled; for SIP-T2xP/T3xG only;
#Require reboot;
security.var_enable = 0

##
Custom the softkey (SIP-T2xP/SIP-T3xG only)
##
#Custom the softkey type when the phone is in different states (connecting or dialing).
custom_softkey_call_failed.url =
custom_softkey_call_in.url =
custom_softkey_connecting.url =
custom_softkey_dialing.url =
custom_softkey_ring_back.url =
custom_softkey_talking.url =

##
DSS Key (for SIP-T26P/SIP-T28P/SIP-T38G/VP)
SIP-T26P/SIP-T28P/SIP-T38G(x ranges from 1-10)
SIP-T38G(x ranges from 1-18)
##
#memorykey.x.line: configure the desired line to apply this key feature; ranges from 0 to 4;
#the value 0 can correspond to Auto(all lines) or Line 1.When the key applies to the features: BLF, Shared Line, BLF List, Call Park, Group Pickup, Paging, Pick Up and Voice Mail, the value 0 corresponds to line 1.
#memorykey.x.value: enter the value when setting some key features, e.g. when setting the key to BLF, enter the number of the monitored user;
#memorykey.x.pickup_value: set the pick up code, this parameter only applies to BLF;
#memorykey.x.type: assign the desired feature the key, different digits correspond to different features;

#Type: 0-N/A(default for memory key) 1-Conference 2-Forward 3-Transfer 4-Hold 5-DND 6-Redial 7-Call Return 8-SMS 9-Call Pickup 10-Call Park
11-DTMF 12-Voicemail 13-SpeedDial 14-Intercom 15-Line(default for line key) 16-BLF 17-URL 18-Group Listening 19-Public Hold 20-Private Hold
21-Shared Line 22-XML Group 23-Group Pickup 24- Paging 25-Record 27-XMLbrowser 35-URLRecord 37-Switch 38-LDAP 39-BLF List
40-Prefix 41- Zero-Sp-Touch 42-ACD 45-Local Group 46-Broadsoft Group
#memorykey.x.xml_phonebook: specify the desired phonebook when multiple phonebooks are configured on the phone. This parameter only applies to key type XML Group/Local Group/Broadsoft Group.
#memorykey.x.label: configure the label for each key dispalying on LCD screen.
#the parameters "hot_number", "hot_lineid", "call_pickup", "intercom_id", "intercom_number" and "sub_type" are only supported by the T3xG IP phone.
#the parameters "lable"is only supported by the VPphone.

Configure DSS Key1
memorykey.1.line =
memorykey.1.value =
memorykey.1.pickup_value =
memorykey.1.type =
memorykey.1.xml_phonebook =
memorykey.1.label =
memorykey.1.hot_number =
memorykey.1.hot_lineid =
memorykey.1.call_pickup_num =
memorykey.1.intercom_id =
memorykey.1.intercom_number =
memorykey.1.sub_type =

Configure DSS Key2
memorykey.2.line =
memorykey.2.value =
memorykey.2.pickup_value =
memorykey.2.type =
memorykey.2.xml_phonebook =
memorykey.2.label =
memorykey.2.hot_number =
memorykey.2.hot_lineid =
memorykey.2.call_pickup_num =
memorykey.2.intercom_id =
memorykey.2.intercom_number =
memorykey.2.sub_type =
Configure DSS Key3

memorykey.3.line =
memorykey.3.value =
memorykey.3.pickup_value =
memorykey.3.type =
memorykey.3.xml_phonebook =
memorykey.3.label =
memorykey.3.hot_number =
memorykey.3.hot_lineid =
memorykey.3.call_pickup_num =
memorykey.3.intercom_id =
memorykey.3.intercom_number =
memorykey.3.sub_type =

Configure DSS Key4
memorykey.4.line =
memorykey.4.value =
memorykey.4.pickup_value =
memorykey.4.type =
memorykey.4.xml_phonebook =
memorykey.4.label =
memorykey.4.hot_number =
memorykey.4.hot_lineid =
memorykey.4.call_pickup_num =
memorykey.4.intercom_id =
memorykey.4.intercom_number =
memorykey.4.sub_type =

Configure DSS Key5
memorykey.5.line =
memorykey.5.value =
memorykey.5.pickup_value =
memorykey.5.type =
memorykey.5.xml_phonebook =
memorykey.5.label =
memorykey.5.hot_number =
memorykey.5.hot_lineid =
memorykey.5.call_pickup_num =
memorykey.5.intercom_id =
memorykey.5.intercom_number =
memorykey.5.sub_type =

Configure DSS Key6
memorykey.6.line =
memorykey.6.value =

memorykey.6.pickup_value =
memorykey.6.type =
memorykey.6.xml_phonebook =
memorykey.6.label =
memorykey.6.hot_number =
memorykey.6.hot_lineid =
memorykey.6.call_pickup_num =
memorykey.6.intercom_id =
memorykey.6.intercom_number =
memorykey.6.sub_type =

Configure DSS Key7
memorykey.7.line =
memorykey.7.value =
memorykey.7.pickup_value =
memorykey.7.type =
memorykey.7.xml_phonebook =
memorykey.7.label =
memorykey.7.hot_number =
memorykey.7.hot_lineid =
memorykey.7.call_pickup_num =
memorykey.7.intercom_id =
memorykey.7.intercom_number =
memorykey.7.sub_type =

Configure DSS Key8
memorykey.8.line =
memorykey.8.value =
memorykey.8.pickup_value =
memorykey.8.type =
memorykey.8.xml_phonebook =
memorykey.8.label =
memorykey.8.hot_number =
memorykey.8.hot_lineid =
memorykey.8.call_pickup_num =
memorykey.8.intercom_id =
memorykey.8.intercom_number =
memorykey.8.sub_type =

Configure DSS Key9
memorykey.9.line =
memorykey.9.value =
memorykey.9.pickup_value =
memorykey.9.type =

memorykey.9.xml_phonebook =
memorykey.9.label =
memorykey.9.hot_number =
memorykey.9.hot_lineid =
memorykey.9.call_pickup_num =
memorykey.9.intercom_id =
memorykey.9.intercom_number =
memorykey.9.sub_type =

Configure DSS Key10
memorykey.10.line =
memorykey.10.value =
memorykey.10.pickup_value =
memorykey.10.type =
memorykey.10.xml_phonebook =
memorykey.10.label =
memorykey.10.hot_number =
memorykey.10.hot_lineid =
memorykey.10.call_pickup_num =
memorykey.10.intercom_id =
memorykey.10.intercom_number =
memorykey.10.sub_type =

Configure DSS Key11
memorykey.11.line =
memorykey.11.value =
memorykey.11.pickup_value =
memorykey.11.type =
memorykey.11.xml_phonebook =
memorykey.11.label =
memorykey.1.hot_number =
memorykey.11.hot_lineid =
memorykey.11.call_pickup_num =
memorykey.11.intercom_id =
memorykey.11.intercom_number =
memorykey.11.sub_type =

Configure DSS Key12
memorykey.12.line =
memorykey.12.value =
memorykey.12.pickup_value =
memorykey.12.type =
memorykey.12.xml_phonebook =
memorykey.12.label =

memorykey.12.hot_number =
memorykey.12.hot_lineid =
memorykey.12.call_pickup_num =
memorykey.12.intercom_id =
memorykey.12.intercom_number =
memorykey.12.sub_type =

Configure DSS Key13
memorykey.13.line =
memorykey.13.value =
memorykey.13.pickup_value =
memorykey.13.type =
memorykey.13.xml_phonebook =
memorykey.13.label =
memorykey.13.hot_number =
memorykey.13.hot_lineid =
memorykey.13.call_pickup_num =
memorykey.13.intercom_id =
memorykey.13.intercom_number =
memorykey.13.sub_type =

Configure DSS Key14
memorykey.14.line =
memorykey.14.value =
memorykey.14.pickup_value =
memorykey.14.type =
memorykey.14.xml_phonebook =
memorykey.14.label =
memorykey.14.label =
memorykey.14.hot_number =
memorykey.14.hot_lineid =
memorykey.14.call_pickup_num =
memorykey.14.intercom_id =
memorykey.14.intercom_number =
memorykey.14.sub_type =

Configure DSS Key15
memorykey.15.line =
memorykey.15.value =
memorykey.15.pickup_value =
memorykey.15.type =
memorykey.15.xml_phonebook =
memorykey.15.label =
memorykey.15.label =

memorykey.15.hot_number =
memorykey.15.hot_lineid =
memorykey.15.call_pickup_num =
memorykey.15.intercom_id =
memorykey.15.intercom_number =
memorykey.15.sub_type =

Configure DSS Key16
memorykey.16.line =
memorykey.16.value =
memorykey.16.pickup_value =
memorykey.16.type =
memorykey.16.xml_phonebook =
memorykey.16.label =
memorykey.16.label =
memorykey.16.hot_number =
memorykey.16.hot_lineid =
memorykey.16.call_pickup_num =
memorykey.16.intercom_id =
memorykey.16.intercom_number =
memorykey.16.sub_type =

Configure DSS Key17
memorykey.17.line =
memorykey.17.value =
memorykey.17.pickup_value =
memorykey.17.type =
memorykey.17.xml_phonebook =
memorykey.17.label =
memorykey.17.label =
memorykey.17.hot_number =
memorykey.17.hot_lineid =
memorykey.17.call_pickup_num =
memorykey.17.intercom_id =
memorykey.17.intercom_number =
memorykey.17.sub_type =

Configure DSS Key18
memorykey.18.line =
memorykey.18.value =
memorykey.18.pickup_value =
memorykey.18.type =
memorykey.18.xml_phonebook =
memorykey.18.label =

memorykey.18.label =
memorykey.18.hot_number =
memorykey.18.hot_lineid =
memorykey.18.call_pickup_num =
memorykey.18.intercom_id =
memorykey.18.intercom_number =
memorykey.18.sub_type =

```
############################################################
##                    Line Key Settings                   ##
##              SIP-T20(x ranges from 1-2)                ##
##              SIP-T22P/SIP-26P-SIP-32G(x ranges from 1-3)  ##
##              SIP-T28P/SIP-38G(x ranges from 1-6)       ##
##              vp(x ranges from 1-4)                     ##
############################################################
#Configure Linekey1
linekey.1.line =
linekey.1.value =
linekey.1.pickup_value =
linekey.1.type =
linekey.1.xml_phonebook =
linekey.1.label =

#Configure Linekey2
linekey.2.line =
linekey.2.value =
linekey.2.pickup_value =
linekey.2.type =
linekey.2.xml_phonebook =
linekey.2.label =

#Configure Linekey3
linekey.3.line =
linekey.3.value =
linekey.3.pickup_value =
linekey.3.type =
linekey.3.xml_phonebook =
linekey.3.label =

#Configure Linekey4
linekey.4.line =
linekey.4.value =
linekey.4.pickup_value =
linekey.4.type =
```

```
linekey.4.xml_phonebook =
linekey.4.label =

##############################################################
##                  Program Key Settings    (SIP-T2xP/T3xG only)                  ##
##############################################################
#Custom the programmable key type;
#X ranges from 1 to 15
#programablekey.X.type =
#programablekey.X.line =
#programablekey.X.value =
#programablekey.X.xml_phonebook =
#programablekey.X.history_type =

programablekey.1.type =
programablekey.1.line =
programablekey.1.value =
programablekey.1.xml_phonebook =
programablekey.1.history_type =

##############################################################
##          Expansion Key Settings （39 programmable keys） (SIP-T2xP/T3xG only)##
##############################################################

#Expansion_module.X.key.Y.type default-37(Switch)
expansion_module.X.key.Y.type = 37

#Each expansion module1 key1
expansion_module.1.key.1.line = 0
expansion_module.1.key.1.value =
expansion_module.1.key.1.pickup_value =
expansion_module.1.key.1.label =

#Each expansion module1 key2
expansion_module.1.key.2.line = 0
expansion_module.1.key.2.value =
expansion_module.1.key.2.pickup_value =
expansion_module.1.key.2.label =

#Each expansion module1 key3
expansion_module.1.key.3.line = 0
expansion_module.1.key.3.value =
expansion_module.1.key.3.pickup_value =
expansion_module.1.key.3.label =
```

#Each expansion module1 key4
expansion_module.1.key.4.line = 0
expansion_module.1.key.4.value =
expansion_module.1.key.4.pickup_value =
expansion_module.1.key.4.label =

#Each expansion module1 key5
expansion_module.1.key.5.line = 0
expansion_module.1.key.5.value =
expansion_module.1.key.5.pickup_value =
expansion_module.1.key.5.label =

#Each expansion module1 key6
expansion_module.1.key.6.line = 0
expansion_module.1.key.6.value =
expansion_module.1.key.6.pickup_value =
expansion_module.1.key.6.label =

#Each expansion module1 key7
expansion_module.1.key.7.line = 0
expansion_module.1.key.7.value =
expansion_module.1.key.7.pickup_value =
expansion_module.1.key.7.label =

#Each expansion module1 key8
expansion_module.1.key.8.line = 0
expansion_module.1.key.8.value =
expansion_module.1.key.8.pickup_value =
expansion_module.1.key.8.label =

#Each expansion module1 key9
expansion_module.1.key.9.line = 0
expansion_module.1.key.9.value =
expansion_module.1.key.9.pickup_value =
expansion_module.1.key.9.label =

#Each expansion module1 key10
expansion_module.1.key.10.line = 0
expansion_module.1.key.10.value =
expansion_module.1.key.10.pickup_value =
expansion_module.1.key.10.label =

#Each expansion module1 key11
expansion_module.1.key.11.line = 0

expansion_module.1.key.11.value =
expansion_module.1.key.11.pickup_value =
expansion_module.1.key.11.label =

#Each expansion module1 key12
expansion_module.1.key.12.line = 0
expansion_module.1.key.12.value =
expansion_module.1.key.12.pickup_value =
expansion_module.1.key.12.label =

#Each expansion module1 key13
expansion_module.1.key.13.line = 0
expansion_module.1.key.13.value =
expansion_module.1.key.13.pickup_value =
expansion_module.1.key.13.label =

#Each expansion module1 key14
expansion_module.1.key.14.line = 0
expansion_module.1.key.14.value =
expansion_module.1.key.14.pickup_value =
expansion_module.1.key.14.label =

#Each expansion module1 key15
expansion_module.1.key.15.line = 0
expansion_module.1.key.15.value =
expansion_module.1.key.15.pickup_value =
expansion_module.1.key.15.label =

#Each expansion module1 key16
expansion_module.1.key.16.line = 0
expansion_module.1.key.16.value =
expansion_module.1.key.16.pickup_value =
expansion_module.1.key.16.label =

#Each expansion module1 key17
expansion_module.1.key.17.line = 0
expansion_module.1.key.17.value =
expansion_module.1.key.17.pickup_value =
expansion_module.1.key.17.label =

#Each expansion module1 key18
expansion_module.1.key.18.line = 0
expansion_module.1.key.18.value =
expansion_module.1.key.18.pickup_value =

```
expansion_module.1.key.18.label =

#Each expansion module1 key19
expansion_module.1.key.19.line = 0
expansion_module.1.key.19.value =
expansion_module.1.key.19.pickup_value =
expansion_module.1.key.19.label =

#Each expansion module1 key20
expansion_module.1.key.20.line = 0
expansion_module.1.key.20.value =
expansion_module.1.key.20.pickup_value =
expansion_module.1.key.20.label =

#Each expansion module1 key21
expansion_module.1.key.21.line = 0
expansion_module.1.key.21.value =
expansion_module.1.key.21.pickup_value =
expansion_module.1.key.21.label =

#Each expansion module1 key22
expansion_module.1.key.22.line = 0
expansion_module.1.key.22.value =
expansion_module.1.key.22.pickup_value =
expansion_module.1.key.22.label =

#Each expansion module1 key23
expansion_module.1.key.23.line = 0
expansion_module.1.key.23.value =
expansion_module.1.key.23.pickup_value =
expansion_module.1.key.23.label =

#Each expansion module1 key24
expansion_module.1.key.24.line = 0
expansion_module.1.key.24.value =
expansion_module.1.key.24.pickup_value =
expansion_module.1.key.24.label =

#Each expansion module1 key25
expansion_module.1.key.25.line = 0
expansion_module.1.key.25.value =
expansion_module.1.key.25.pickup_value =
expansion_module.1.key.25.label =
```

#Each expansion module1 key26
expansion_module.1.key.26.line = 0
expansion_module.1.key.26.value =
expansion_module.1.key.26.pickup_value =
expansion_module.1.key.26.label =

#Each expansion module1 key27
expansion_module.1.key.27.line = 0
expansion_module.1.key.27.value =
expansion_module.1.key.27.pickup_value =
expansion_module.1.key.27.label =

#Each expansion module1 key28
expansion_module.1.key.28.line = 0
expansion_module.1.key.28.value =
expansion_module.1.key.28.pickup_value =
expansion_module.1.key.28.label =

#Each expansion module1 key29
expansion_module.1.key.29.line = 0
expansion_module.1.key.29.value =
expansion_module.1.key.29.pickup_value =
expansion_module.1.key.29.label =

#Each expansion module1 key30
expansion_module.1.key.30.line = 0
expansion_module.1.key.30.value =
expansion_module.1.key.30.pickup_value =
expansion_module.1.key.30.label =

#Each expansion module1 key31
expansion_module.1.key.31.line = 0
expansion_module.1.key.31.value =
expansion_module.1.key.31.pickup_value =
expansion_module.1.key.31.label =

#Each expansion module1 key32
expansion_module.1.key.32.line = 0
expansion_module.1.key.32.value =
expansion_module.1.key.32.pickup_value =
expansion_module.1.key.32.label =

#Each expansion module1 key33
expansion_module.1.key.33.line = 0

expansion_module.1.key.33.value =
expansion_module.1.key.33.pickup_value =
expansion_module.1.key.33.label =

#Each expansion module1 key34
expansion_module.1.key.34.line = 0
expansion_module.1.key.34.value =
expansion_module.1.key.34.pickup_value =
expansion_module.1.key.34.label =

#Each expansion module1 key35
expansion_module.1.key.35.line = 0
expansion_module.1.key.35.value =
expansion_module.1.key.35.pickup_value =
expansion_module.1.key.35.label =

#Each expansion module1 key36
expansion_module.1.key.36.line = 0
expansion_module.1.key.36.value =
expansion_module.1.key.36.pickup_value =
expansion_module.1.key.36.label =

#Each expansion module1 key37
expansion_module.1.key.37.line = 0
expansion_module.1.key.37.value =
expansion_module.1.key.37.pickup_value =
expansion_module.1.key.37.label =

#Each expansion module1 key38
expansion_module.1.key.38.line = 0
expansion_module.1.key.38.value =
expansion_module.1.key.38.pickup_value =
expansion_module.1.key.38.label =

#Each expansion module1 key39
expansion_module.1.key.39.line = 0
expansion_module.1.key.39.value =
expansion_module.1.key.39.pickup_value =
expansion_module.1.key.39.label =

```
##############################################################
##          Automatic Call Distribute Feature Settings(SIP-T2xP/T3xG only)          ##
##############################################################
#Enable or disable the phone to automatically changes the phone's status to available;
acd.auto_available = 0

#Configure the ACD auto-availability expires time (in seconds) . Ranges from 0 to 120, (60
by default);
acd.auto_available_timer = 60

##############################################################
##                                  Action URL                                  ##
##############################################################

#action_url.incoming_call: configure the phone to send message to the specified server
when receiving incoming call;
#action_url.dnd_on: configure the phone to send message to the specified server when
DND feature is activated;
#The value format is: http://IP address of server/help.xml?mac=$mac
#action_url.log_on = http://192.168.1.20/help.xml?mac=$mac

action_url.setup_completed =
action_url.log_on =
action_url.log_off =
action_url.register_failed =
action_url.off_hook =
action_url.on_hook =
action_url.incoming_call =
action_url.outgoing_call =
action_url.call_established =
action_url.dnd_on =
action_url.dnd_off =
action_url.always_fwd_on =
action_url.always_fwd_off =
action_url.busy_fwd_on =
action_url.busy_fwd_off =
action_url.no_answer_fwd_on =
action_url.no_answer_fwd_off =
action_url.transfer_call =
action_url.blind_transfer_call =
action_url.attended_transfer_call =
action_url.hold =
action_url.unhold =
action_url.mute =
```

action_url.unmute =
action_url.missed_call =
action_url.call_terminated =
action_url.busy_to_idle =
action_url.idle_to_busy =

#Configure the phone to send message to the specified server when changing the IP address;for SIP-T2xP/VPphone only;
action_url.ip_change =

#Configure the phone to send message to the specified server when forwarding or rejecting incoming call, or answering new incoming call; for SIP-T3xG/VPphone only;
action_url.forward_incoming_call =
action_url.reject_incoming_call =
action_url.answer_new_incoming_call =

#Configure the phone to send message to the specified server when transfer finished/transfer failed; for SIP-T3xG/VPphone only;
action_url.transfer_finished =
action_url.transfer_failed =

#Configure the phone to send message to the specified server when rejecting the new incoming call; for VPphone only;
action_url.reject_new_incoming_call=

#Configure the phone to send message to the specified server when the phone cancels to call out,the remote called party is busy or the remote party cancels the call;for VPphone only;
action_url.cancel_callout =
action_url.remote_busy =
action_url.call_remote_canceled =

##
Language Settings
##
#Specify the language displays on the web page, the avaiable values are: Engliash, Chinese_s, German, Italian and Turkish;
lang.wui = %LANGUAGEWeb%

#Specify the language displays on the phone LCD screen, the avaiable values are: Engliash (default),Chinese_s,German,French,Turkish,Italiano,Polish and Portungues;
lang.gui = %LANGUAGEGUI%

```
##############################################################
##                        Time Settings                     ##
##############################################################

#Configure the time zone and time zone name for the phone; time zone ranges from -11 to
+12 (+8 by default); time zone name (China(Beijing) by default);
#local_time.time_zone = +8
#local_time.time_zone_name = China(Beijing)
local_time.time_zone = %BWTIMEZONE-1%
local_time.time_zone_name = %TIMEZONENAME%

#Configure the primary and secondary NTP servers. Default-cn.pool.ntp.org.
#The value can be the domain name or IP address of the NTP server.
local_time.ntp_server1 = %SNTP_SERVER_1%
local_time.ntp_server2 = %SNTP_SERVER_2%

# Configure the update interval(in seconds) when using NTP Server, (1000 by default);
local_time.interval = 1000

#Configure the daylight saving time feature. 0-Disabled, 1-Enabled, 2-Automatic(default);
local_time.summer_time = 2

# Configure the DST type when the DST was set to Enabled. 0-Date, 1-Week;
local_time.dst_time_type = 0

#Configure the start time of DST.(1/1/0 by default)
#If the DST type is set to By Date,the value format is Month/Day/Hour;
#If the DST type is set to By Week, the value format is Start Month/Start Day of Week/Start
Day of Week Last in Month/Start Hour of Day.
#For example,the value is 1/4/2/5, it means the start time is at 5 o'clock on Tuesday, the 4th
week in January;
local_time.start_time = 1/1/0

#Configure the end time of DST, (12/31/23 by default), the value format is the same as the
start time;
local_time.end_time = 12/31/23

#Configure the offset time (in minutes), ranges from -300 to 300,(60 by default) the valid
value is Integer;
local_time.offset_time = 60

#Configure the time format, 0-12 Hour, 1-24 Hour(default);
local_time.time_format = 1
```

#Configure the date format, 0-WWW MMM DD(default), 1-DD-MMM-YY, 2-YYYY-MM-DD, 3-DD/MM/YYYY, 4-MM/DD/YY, 5-DD MMM YYYY, 6-WWW DD MMM;
local_time.date_format = 0

#Enable or disable the DHCP Time, 0-Disabled(default), 1-Enabled;
local_time.dhcp_time = 0

#Enable or disable to set the time manually; 0 (obtian time from the NTP server), 1(manually set time); For T3xG only;
local_time.manual_time_enable =

##
Hot Desking(SIP-T2xP/T3xG only)
##

#Configure the RegisterName item on power-on register guide;0-Disabled, 1-Enabled (default);
hotdesking.startup_register_name = 1

#Configure the UserName item on power-on register guide
hotdesking.startup_username = 1
hotdesking.startup_password = 1
hotdesking.startup_sip_server = 1

#Configure the OutBound item on power-on register guide
hotdesking.startup_outbound = 1

#Configure the RegisterName item when pressing HotDesking DSS key
hotdesking.dsskey.register_name = 1
hotdesking.dsskey.username = 1
hotdesking.dsskey.password = 1
hotdesking.dsskey.sip_server = 1
hotdesking.dsskey.outbound = 1

##
Distinctive_ring_tones(SIP-T2xP/T3xG only)
##

#"X" ranges from 1-10
#Configure the text to map the keywords contained in the “Alert-info” header;
#distinctive_ring_tones.alert_info.X.text =
distinctive_ring_tones.alert_info.1.text =

#Set the desired ring tones for each text. Different numbers correspond to the appropriate ring tones.Ranges from 1 to 8, (1 by default);
#distinctive_ring_tones.alert_info.X.ringer = 1
distinctive_ring_tones.alert_info.1.ringer = 1

##
Auto Redial
##

#Enable or disable the auto redial feature, 0-Disabled(default), 1-Enabled;
auto_redial.enable = 0

#Configure the times (1 to 300) of auto redial and the seconds (1 to 300) to wait before redial,(10 by default);
auto_redial.interval = 10
auto_redial.times = 10

##
Zero Touch
##
zero_touch.enable = 0
zero_touch.wait_time = 5

##
push xml
##
push_xml.server =

#Enable or disable the phone to display the push xml interface when receiving an incoming call; for SIP-T2xP/VPphone only;
push_xml.block_in_calling= 0

Enable or disable the phone to use the push xml via SIP notify message;
push_xml.sip_notify= 0

##
Dial plan
##

#Configure the area code;
dialplan.area_code.code =
dialplan.area_code.min_len = 1
dialplan.area_code.max_len = 15

#When applying the rule to multiple lines, each line ID separated by comma, e.g.
dialplan.area_code.line_id = 1,2,3
dialplan.area_code.line_id =

#Configure the block out numbers for the phone, x ranges from 1 to 10;
#dialplan.block_out.number.x =
dialplan.block_out.number.1 =

#When applying the rule to multiple lines, each line ID separated by comma, e.g. 1,2,3
#dialplan.block_out.line_id.X =
dialplan.block_out.line_id.1 =

#Configure the dialnow rule for the phone, x ranges from 1 to 10; for SIP-T3xG/VPphone only;
#dialplan.dialnow.rule.x =
#dialplan.dialnow.line_id.x =

dialplan.dialnow.rule.1 =
dialplan.dialnow.line_id.1 =

#Configure the replace rule for the phone, x ranges from 1 to 10; for SIP-T3xG/VPphone only;
#dialplan.replace.prefix.x =
#dialplan.replace.replace.x =
#dialplan.replace.line_id.x =

dialplan.replace.prefix.1 =
dialplan.replace.replace.1 =
dialplan.replace.line_id.1 =

#dialplan.item.Xformat-X ,Prefix,Replaced; x ranges from 1 to 10; for SIP-T2xP only;
#dialnow.item.x =
#dialplan.item.x =
dialnow.item.1 =
dialplan.item.1 =

##
BSFT Phonebook
##

#Configuration of BW phonebook X ("X" ranges from 1-6); for SIP-T3xG/VPphone only;
#This feature is only applicable to some designated firmware version;
#bw_phonebook.display_name =
#bw_phonebook.data.X.server =
#bw_phonebook.data.X.port =
#bw_phonebook.data.X.username =

#bw_phonebook.data.X.password =
#bw_phonebook.data.X.name =

bw_phonebook.display_name =
bw_phonebook.data.1.server =
bw_phonebook.data.1.port =
bw_phonebook.data.1.username =
bw_phonebook.data.1.password =
bw_phonebook.data.1.name =

bw_phonebook.data.2.server =
bw_phonebook.data.2.port =
bw_phonebook.data.2.username =
bw_phonebook.data.2.password =
bw_phonebook.data.2.name =

bw_phonebook.data.3.server =
bw_phonebook.data.3.port =
bw_phonebook.data.3.username
bw_phonebook.data.3.password
bw_phonebook.data.3.name =

bw_phonebook.data.4.server =
bw_phonebook.data.4.port =
bw_phonebook.data.4.username
bw_phonebook.data.4.password
bw_phonebook.data.4.name =

bw_phonebook.data.5.server =
bw_phonebook.data.5.port =
bw_phonebook.data.5.username
bw_phonebook.data.5.password
bw_phonebook.data.5.name =

bw_phonebook.data.6.server =
bw_phonebook.data.6.port =
bw_phonebook.data.6.username
bw_phonebook.data.6.password
bw_phonebook.data.6.name =

#Configuration of BW phonebook X ("X" ranges from 1-3); for SIP-T2xG only;
bw_phonebook.display_name =
bw_phonebook.data.1.server =
bw_phonebook.data.1.port =

bw_phonebook.data.1.username =
bw_phonebook.data.1.password =
bw_phonebook.data.1.name =

bw_phonebook.data.2.server =
bw_phonebook.data.2.port =
bw_phonebook.data.2.username =
bw_phonebook.data.2.password =
bw_phonebook.data.2.name =

bw_phonebook.data.3.server =
bw_phonebook.data.3.port =
bw_phonebook.data.3.username
bw_phonebook.data.3.password
bw_phonebook.data.3.name =

```
############################################################
##                    BSFT Call Log                       ##
############################################################
```

#Configuration of the BW Call Log X ("X" ranges from 1-6);for SIP-T2xP/SIP-T3xG only;
#This feature is only applicable to some designated firmware version;
#bw_call_log.display_name =
#bw_call_log.data.X.server =
#bw_call_log.data.X.port =
#bw_call_log.data.X.username =
#bw_call_log.data.X.password =
#bw_call_log.data.X.name =

bw_call_log.display_name =
bw_call_log.data.1.server =
bw_call_log.data.1.port =
bw_call_log.data.1.username =
bw_call_log.data.1.password =
bw_call_log.data.1.name =

bw_call_log.data.2.server =
bw_call_log.data.2.port =
bw_call_log.data.2.username =
bw_call_log.data.2.password =
bw_call_log.data.2.name =

bw_call_log.data.3.server =
bw_call_log.data.3.port =

bw_call_log.data.3.username =
bw_call_log.data.3.password =
bw_call_log.data.3.name =

#Configuration of the BW Call Log X ("X" ranges from 1-6);for VPphone only;
#This feature is only applicable to some designated firmware version;
#bw_call_log.display_name =
#bw_call_log.data.X.server =
#bw_call_log.data.X.port =
#bw_call_log.data.X.username =
#bw_call_log.data.X.password =
#bw_call_log.data.X.name =

bw_call_log.display_name =
bw_call_log.data.1.server =
bw_call_log.data.1.port =
bw_call_log.data.1.username =
bw_call_log.data.1.password =
bw_call_log.data.1.name =

bw_call_log.data.2.server =
bw_call_log.data.2.port =
bw_call_log.data.2.username =
bw_call_log.data.2.password =
bw_call_log.data.2.name =

bw_call_log.data.3.server =
bw_call_log.data.3.port =
bw_call_log.data.3.username =
bw_call_log.data.3.password =
bw_call_log.data.3.name =

bw_call_log.data.4.server =
bw_call_log.data.4.port =
bw_call_log.data.4.username =
bw_call_log.data.4.password =
bw_call_log.data.4.name =

bw_call_log.data.5.server =
bw_call_log.data.5.port =
bw_call_log.data.5.username =
bw_call_log.data.5.password =
bw_call_log.data.5.name =

```
bw_call_log.data.6.server =
bw_call_log.data.6.port =
bw_call_log.data.6.username =
bw_call_log.data.6.password =
bw_call_log.data.6.name =

############################################################
##                  remote phonebook                      ##
############################################################

#Configure the phone to access the remote phonebook, X ranges from 1 to 5;
#Configure the name of remote phonebook displayed on the phone; for VPphone only;
remote_phonebook.display_name =

#remote_phonebook.X.url =
#remote_phonebook.X.name =
remote_phonebook.data.1.url =
remote_phonebook.data.1.name =

remote_phonebook.data.2.url =
remote_phonebook.data.2.name =

remote_phonebook.data.3.url =
remote_phonebook.data.3.name =

remote_phonebook.data.4.url =
remote_phonebook.data.4.name =

remote_phonebook.data.5.url =
remote_phonebook.data.5.name =

#Configure the interval(in minutes) for the phone to update phonebook,(1440 by
default);for VPphone only;
directory.update_time_interval =

#Enable or disable the phone to match the incoming call with the contact in the remote
phonebook; 0-Disabled, 1-Enabled(default);for VPphone only;
directory.incoming_call_match_enable =

############################################################
##                     LDAP Settings                      ##
############################################################

#Enableor disable the LDAP feature; 0-Disabled(default), 1-Enabled;for VPphone only;
```

ldap.enable = 0
#Custom the display name of the LDAP;for VPphone only;
ldap.customize_label =

#Configure the search criteria for name and number lookups;
ldap.name_filter =
ldap.number_filter =

ldap.host = 0.0.0.0
ldap.port = 389

ldap.base =
ldap.user =
ldap.password =

#Configure the maximum displayed search results, ranges from 1 to 32000(50 by default),the valid value is Integer;
ldap.max_hits = 50

ldap.name_attr =
ldap.numb_attr =
ldap.display_name =

#Configure the version of LDAP, the valid value is 2 or 3(default);
ldap.version = 3

#Conifugre the search delay time,ranges from 0 to 2000, (0ms by default); for SIP-T2xp/T3xG only;
ldap.search_delay = 0

#Enable or disable the phone to perform the LDAP search when reveiving an incoming call; 0-Disabled(default), 1-Enabled;
ldap.call_in_lookup = 0
ldap.ldap_sort = 0

#Enable or disable the IP phone to query the LDAP server when in the pre-dialing or the dialing state; for SIP-T2xp/T3xG only;
ldap.dial_lookup = 0

##
Phone Settings
##

#Configure the return code when DND, 404-No Found,480-Temporarily not

available(default),486-Busy here
features.dnd_refuse_code = 480

#Configure the return code when refuse; 404,480,486(default)
features.normal_refuse_code = 486

features.call_completion_enable = 0

#Enable or disable the call waiting feature; 0-Disabled, 1-Enabled(default);
call_waiting.enable = 1

#Configure the phone to play warning tone when receiving an incoming call during an active call, 0-Disabled, 1-Enabled(default);
call_waiting.tone = 1

#Enable or disable the intercom feature; 0-Disabled, 1-Enabled(default);
features.intercom.allow = 1

#Enable or disable the phone to mute the speaker when automatically answer an intercom call, 0-Disabled(default), 1-Enabled;
features.intercom.mute = 0

#Enable or disable the phone to play intercom warning tone, 0-Disabled, 1-Enabled(default);
features.intercom.tone = 1

#Enable or disable the phone to barge in an intercom call; 0-Disabled(default), 1-Enabled;
features.intercom.barge = 0

#enable/disable auto answer an intercom call when there is already an SIP call on the phone; 0-disable, 1-enable(default) (SIP-T2xP only)
features.intercom.aasec_intercom = 1

#Configure the hotline number and delay time;
features.hotline_number =
features.hotline_delay = 4

#Configure the "*" to be displayed on the LCD screen instead of the DTMF digit; for SIP-T2xP only;
features.dtmf.hide = 0
features.dtmf.hide_delay = 0

#repetition times of DTMF end packet for SIP-T2xP/T3xG only; 1 2 3(default)
features.dtmf.repetition = 3

#Complete transfer by DTMF when the phone is in conversation; digits 1-9,characters "*","#" ;for SIP-T2xP only;
features.dtmf.transfer =
features.dtmf.replace_tran = 0
features.headset_prior = 1
features.headset_training = 0
features.remote_phonebook.enable=0
features.remote_phonebook.flash_time = 3600

#Configure the time(in seconds) for playing busy tone when a call is hanged up by the other party; Valid value is 0(default), 3 and 5;
features.busy_tone_delay = 0

#for SIP-T2xP only
features.send_pound_key = 0

#Define "#" or "*" as the send key; 0-disable, 1-# key(default), 2-* key
features.pound_key.mode = 1

#Enable or disable the phone to play keytone, 0-Disabled, 1-Enabled(default);
features.send_key_tone = 1
features.key_tone = 1

#enable/disable playing a warning tone in 30 seconds when there is a conversation placed on hold ; for SIP-T2xP only;
features.play_hold_tone.enable = 1
features.play_hold_tone.delay = 30

features.redial_tone =

#for SIP-T2xP only
features.partition_tone = 0

#Enable or disable the security on dialing LCD screen; 0-disable(default), 1-enable ; for SIP-T2xP only;
#features.password_dial.enable = 1
#features.password_dial.prefix =237
#features.password_dial.length =3
#For example, refer to the configurations above, when dialing 23766598 on the phone, the LCD screen will display 237***98
features.password_dial.enable = 0
features.password_dial.prefix =
features.password_dial.length =
#0-disable 1-enable(default); for SIP-T2xP only;

features.history_save_display = 1

#Enable or disable the phone to save the call history; 0-Disabled, 1-Enabled(default);
features.save_call_history = 1

# power_led_on ;for SIP-T2xP only;
features.power_led_on = 0

#Enable or disable the phone to receive the URI message from any IP;
#You can also configure the phone to receive the URI message from the specifed IP address;
#0-Disabled(default), 1-Enabled, IP address(multiple IP addresses separated by comma);
features.action_uri_limit_ip =

#Configure the time (in seconds) before auto answer an incoming call ; 1(default), 2, 3, 4; for SIP-T2xP only;
features.auto_answer_delay = 1

#Assign the transfer type for DSSkey; 0-attended transfer, 1-blind transfer(default); for SIP-T2xP only;
features.dsskey_blind_tran = 1

#Configure the over time(in minutes) for logging web user interface, ranges from 1 to 1000 (5 by default);
features.relog_offtime =

#Enable or disable the phone to make direct IP call, 0-Disabled, 1-Enabled(default);
#Require reboot;
features.direct_ip_call_enable = 1

#Configure the ring type when receiving an emergency; for SIP-T2xP only;
features.emergency_ring =Emergency.wav

#for SIP-T2xP only;
features.allow_mute = 1

#Specify the ring device when the phone is in the headset mode,0-use Speaker(default) 1-use Headset;
features.ringer_device.is_use_headset = 0

#Enable or disable the phone to display the local camera when in the fullscreen state, 0-Disabled, 1-Enabled(default); for VPphone only;
features.fullscreen_local_visible = 1

#Configure the time (in seconds) to automatically dial out dialed digit. Ranges from 1 to 14 (4 by default);
phone_setting.inter_digit_time = 4

#Configure the flash hook time, Ranges from 0 to 799 millisecond; (1 by default); for SIP-T2xP/SIP-T3xG only;
phone_setting.flash_hook_timer = 1

#Configure the keypad lock type, 0-Disabled(default), 1-Menu Key, 2-Function Key, 3-All Keys, 4-Lock&Answer; for SIP-T2xP/T3xG only;
phone_setting.lock = 0

Set the unlock password and timeout(in seconds, ranges from 0 to 3600, 30 by default) of phone lock; for SIP-T2xP/SIP-T3xG only;
phone_lock.unlock_pin =
phone_lock.lock_time_out = 30

#Configure the ring tone for the phone, System ring tones are: common(default), Ring1.wav, Ring2.wav……Ring8.wav;
#If you set the custom ring tone(Busy.wav) as phone ring tone,the value format is: Custom:Busy.wav
#If you set the system ring tone(Ring2.wav) as phone ring tone,the value format is: Resource:Ring2.wav
phone_setting.ring_type = common

#Configure the contrast of the LCD screen ; the value ranges from 1 to 10 (6 by default); for SIP-T2xP only;
phone_setting.contrast = 6

#Enable or disable the Custom logo; for SIP-T2xP only;
phone_setting.lcd_logo.enable = 0

#Configure the active backlight level, Integer,1-10 (2 by default);
phone_setting.active_backlight_level =

#Configure the inactive backlight level, Integer,0 or 1 (default); for SIP-T3xG/VPphone only;
phone_setting.inactive_backlight_level = 1

#Configure the backlight time, 0-Always off, 1-Always on,15,30,60(default),120(in seconds);
phone_setting.backlight_time =

#Configure the background image; for SIP-T3xG/VPphone only;
#If you set the custom image(new.png) as backgroup,the value format is:
phone_setting.backgrounds = Config:new.png

#If you set the system image(1.jpg) as backgroup,the value format is:
phone_setting.backgrounds = Resource:1.jpg
phone_setting.backgrounds =

#Configure the screen saver time (in seconds), valid values are
1,60(default),120,300,600,1800; for SIP-T3xG only;
phone_setting.screen_saver_time = 60

#Configure the ring tone when the transfer fails, valid values are: Ring1.wav.... Ring8.wav;
for SIP-T3xG/SIP-T2xP only;
phone_setting.ring_for_tranfailed =Ring1.wav

#Enable or disable the phone to show the logon wizard while power on,
0-Disabled(default), 1-Enabled; for SIP-T3xG/SIP-T2xP only;
phone_setting.logon_wizard = 0

#Enable or disable the phone to automatically dial out the dialed digits in the pre-dial
interface, 0-Disabled(default), 1-Enabled;
phone_setting.predial_autodial = 0

#Enable or disable the phone to deal the 180 SIP messages after the 183 SIP message,
0-Disabled, 1-Enabled(default);
phone_setting.is_deal180 = 1

#Enable or disable the phone to deal the 180 SIP messages after the 183 SIP message,
0-Disabled, 1-Enabled(default);
phone_setting.dialnow_delay = 4

#enable/disable customizing softkey layout for SIP-T2xP/T3xG only 0-disable(default),
1-enable
phone_setting.is_define_key = 0

#Configure the phone theme; 0-Theme 1(default), 1-Theme 2, 2-Theme 3, 3-Theme 4; for
SIP-T3xG only;
phone_setting.theme = 0

#Configure the emergency numbers; each separated by commas, for example,
"911,110,999"; for SIP-T2xP/T3xG only;
phone_setting.emergency.number =

#Enable or disable the phone to display the shortcut menu on the idle screen,
0-Disabled(default), 1-Enabled; for VPphone only;
phone_setting.shortcuts_enable = 0

#Enable or disable the phone to display the recent call in the pre-dial interface, 0-Disabled, 1-Enabled(default); for VPphone only;
super_search.recent_call = 1

#Enable or disable the phone to display the soft dialpad in the pre-dial interface, 0-Disabled, 1-Enabled(default); for VPphone only;
super_search.dial_pad = 1

##
Configure a server URL for firmware update
##
firmware.url =
http://%BWDEVICEACCESSFQDN%:%BWDEVICEACCESSPORT%/%BWDMSCONTEXT%/%BWDEVICEACCESSURI%%FIRMWARE_VERSION%

##
Configure a server URL for Customizing a ringtones
##
ringtone.url
=http://%BWDEVICEACCESSFQDN%:%BWDEVICEACCESSPORT%/%BWDMSCONTEXT%/%BWDEVICEACCESSURI%song.wav

#ringtone.delete = http://localhost/all,delete all the customized ring tones;
ringtone.delete =

##
Configure a server URL for Customizing the LCD language (SIP-T2xP/SIP-T3xG only)
##
gui_lang.url =
#delete all custom languages from localhost
#gui_lang.delete =http://localhost/all
gui_lang.delete =

##
Configure a server URL for Customizing logo update(SIP-T2xP only)
##
lcd_logo.url =
#delete all custom logo files from localhost
#lcd_logo.delete =http://localhost/all
lcd_logo.delete =

```
############################################################
##                    Certificates                        ##
############################################################
trusted_certificates.url
=http://%BWDEVICEACCESSFQDN%:%BWDEVICEACCESSPORT%/%BWDMSCONTEXT%/%B
WDEVICEACCESSURI%ca.pem

#trusted_certificates.delete = http://localhost/all,#delete all trusted certificate files from
localhost
trusted_certificates.delete =

server_certificates.url =
http://%BWDEVICEACCESSFQDN%:%BWDEVICEACCESSPORT%/%BWDMSCONTEXT%/%BW
DEVICEACCESSURI%ca.crt

#server_certificates.delete = http://localhost/all, delete the server certificate;
server_certificates.delete =

############################################################
##  Local Contact/DST Time/Dialnow Rule/Replace Rule      ##
############################################################
local_contact.data.url
=http://%BWDEVICEACCESSFQDN%:%BWDEVICEACCESSPORT%/%BWDMSCONTEXT%/%B
WDEVICEACCESSURI%contactData.xml
auto_dst.url
=http://%BWDEVICEACCESSFQDN%:%BWDEVICEACCESSPORT%/%BWDMSCONTEXT%/%B
WDEVICEACCESSURI%Autodst.xml
dialplan_dialnow.url
=http://%BWDEVICEACCESSFQDN%:%BWDEVICEACCESSPORT%/%BWDMSCONTEXT%/%B
WDEVICEACCESSURI%dialnow.xml
dialplan_replace_rule.url
=http://%BWDEVICEACCESSFQDN%:%BWDEVICEACCESSPORT%/%BWDMSCONTEXT%/%B
WDEVICEACCESSURI%dialplan.xml

############################################################
##      Customized Factory Configurations                 ##
############################################################
#Configure the access URL for downloading the customized factory configurations;
custom_factory_configuration.url
=http://%BWDEVICEACCESSFQDN%:%BWDEVICEACCESSPORT%/%BWDMSCONTEXT%/%B
WDEVICEACCESSURI%sample.cfg
```

```
############################################################
##        Camera/Doorphone data/Contact image(for VPphone only)        ##
############################################################
#Configure the access URL for downloading the camera data;
doorphone_data.url =
http://%BWDEVICEACCESSFQDN%:%BWDEVICEACCESSPORT%/%BWDMSCONTEXT%/%BW
DEVICEACCESSURI%doorphonedata.xml

#Configure access URL for downloading customized image of local contact;
local_contact_image.url
=http://%BWDEVICEACCESSFQDN%:%BWDEVICEACCESSPORT%/%BWDMSCONTEXT%/%B
WDEVICEACCESSURI%Contact.png

#Configure the server address for uploading a .tar file which contains mutiple contact
images;
local_contact_image.tar.url =

############################################################
##              Call List                                 ##
############################################################
#Configure the access URL for downloading the call list;
#Require reboot
call_list.url =
http://%BWDEVICEACCESSFQDN%:%BWDEVICEACCESSPORT%/%BWDMSCONTEXT%/%BW
DEVICEACCESSURI%call_list.xml

############################################################
##              OpenVPN                                   ##
############################################################
#Configure the access URL for downloading the open VPN tar;
openvpn.url =

############################################################
## Configure a server address for Wallpaper download（for T3xG/VPphone only)  ##
############################################################
wallpaper_upload.url =
http://%BWDEVICEACCESSFQDN%:%BWDEVICEACCESSPORT%/%BWDMSCONTEXT%/%BW
DEVICEACCESSURI%wallpaper.jpg

############################################################
##    Configure a server address for Screensaver download（for T3xG only)    ##
############################################################
screen_saver.pic.url =
```

```
##############################################################
##                  MAC-ORIENTED CFG FILE START                ##
##############################################################

#!version:1.0.0.1

##File header "#!version:1.0.0.1" can not be edited or deleted.##

##############################################################
##                        Account1 Settings                    ##
##############################################################
#Enable or disable the account1, 0-Disabled(default), 1-Enabled;
account.1.enable = %BWLINE-BINARY-1%

#Configure the account1 label which will display on the LCD screen.
account.1.label =%BWEXTENSION-1%

#Configure the display name of account1
account.1.display_name =%BWCLID-1%

#Configure the user and password for register authentication
account.1.auth_name = %BWAUTHUSER-1%
account.1.password =   %BWAUTHPASSWORD-1%

#Configure the register user name
account.1.user_name = %BWLINEPORT-1%

#Configure the SIP server address and port(5060 by default)
account.1.sip_server_host = %BWHOST-1%
account.1.sip_server_port = 5060

#Enable/Disable the outbound proxy server, fill the IP address/domain of the outbound
proxy server and the server port(5060 by default)
account.1.outbound_proxy_enable = %USE_SBC_BOOLEAN%
account.1.outbound_host = %SBC_ADDRESS%
account.1.outbound_port =   %SBC_PORT%

#For VPphone only;
account.1.sip_server_host_readonly = 0

#Configure the transport type;       0-UDP(Default), 1-TCP, 2-TLS, 3-DNS SRV
account.1.transport = 0

#Configure the backup outbound proxy server address and port(5060 by default)
```

account.1.backup_outbound_host =
account.1.backup_outbound_port = 5060

#Configure the voice mail number of account1.
voice_mail.number.1 = %BWVOICE-PORTAL-NUMBER-1%

#Configure the proxy server to account1;
account.1.proxy_require =

#Enable/Disable the anonymous call feature for account1; 0-Disabled(Default), 1-Enabled
account.1.anonymous_call = 0

#Configure the oncode/offcode for turning on/off anonymous call feature
account.1.anonymous_call_oncode =
account.1.anonymous_call_offcode =

#Enable/Disable the reject anonymous call feature for account1; 0-Disabled(Default), 1-Enabled
account.1.reject_anonymous_call = 0

#Configure the oncode/offcode for turning on/off reject anonymous call feature
account.1.anonymous_reject_oncode =
account.1.anonymous_reject_offcode =

Configure the SIP port for local account1
account.1.sip_listen_port = 5060

#Configure the register expire time
account.1.expires = 3600

#Enable/Disable 100 reliable retransmission; 0-Disabled(Default), 1-Enabled
account.1.100rel_enable = 0

#Enable/Disable the resource reservation; 0-Disabled(Default), 1-Enabled
account.1.precondition = 0

#Enble/Disable subscribe the register status; 0-Disabled(Default), 1-Enabled
account.1.subscribe_register = 0

#Enable/Disable subscribe the Message Waiting Indicator; 0-Disabled(Default), 1-Enabled
account.1.subscribe_mwi = 0

#Configure MWI subscribe expires 3600 seconds by default
account.1.subscribe_mwi_expires = 3600

#Select SIP header(s) carrying the caller ID; 0-FROM(Default), 1-PAI 2-PAI-FROM, 3-PRID-PAI-FROM, 4-PAI-RPID-FROM, 5-RPID-FROM account.1.cid_source = 0
account.1.cid_source = 0

#Select SIP header(s) carrying the called party ID for VPphone only; 0-FROM(Default), 1-PAI, 2-PAI-FROM, 3-PRID-PAI-FROM, 4-PAI-RPID-FROM, 5-RPID-FROM account.1.cid_source = 0
account.1.cp_source = 0

#Enable/Disable session timer 0-Disabled(Default), 1-Enabled
account.1.session_timer.enable = 0

#Configure session timer expire
account.1.session_timer.expires = 3600

#Configure the session timer refresher; 0-Uac(Default), 1-Uas
account.1.session_timer.refresher = 0

#Enable/Disable "user=phone"; 0-Disabled(Default), 1-Enabled
account.1.enable_user_equal_phone = 0

#Enable/Disable SRTP; 0-Disabled(Default), 1-Enabled
account.1.srtp_encryption = 0

#Configure the RTP packet time; 0(Disabled), 10, 20(Default), 30, 40, 50, 60
account.1.ptime = 20

#Assign account1 as shared line; 0-Disabled/Private(Default), 1-BSFT shared line, 2-Draft bridge line_appearance
account.1.shared_line = %BWSHAREDLINE-BINARY-1%

#Configure BLA number and the subscribe period when account1 is a BLA line
account.1.bla_number =
account.1.bla_subscribe_period = 300

#Enable/Disable call pickup using dialog-info sip header; 0-Disabled(Default), 1-Enabled
account.1.dialoginfo_callpickup = 0

#Enable/Disable auto answer when receiving a incoming call for accout1; 0-Disabled(Default), 1-Enabled

account.1.auto_answer = 0

#Enable/Disable record the Missed calllog; 0-Disabled, 1-Enabled(Default)
account.1.missed_calllog = 1

#Enable/Disable subscribe the voicemail number for MWI; 0-Disabled(Default), 1-Enabled
account.1.subscribe_mwi_to_vm = 0

#Enable/Disable sending mac address and line number in the Register message; 0-Disabled(Default), 1-Enabled
account.1.register_mac = 0
account.1.register_line = 0

#Configure interval time for retrying register when account1 register failed 30 seconds by default
account.1.reg_fail_retry_interval = 30

#Enable/Disable network conference; 0-Local(Default), 2-Network Conference
account.1.conf_type = 0

#Configure the factory conference uri(a SIP URI, or user part of the SIP URI), for example, "conference@domain.com" or "conference"
account.1.conf_uri = %BWNETWORK-CONFERENCE-SIPURI-1%

#Connfigure the BLF List URI (a SIP URI, or user part of the SIP URI), for example, "2300_blflist@domain.com" or "2300_blflist"
account.1.blf.blf_list_uri = %BWBLF-URI-1%

#Configure the blf subscribe period 1800 seconds by default
account.1.blf.subscribe_period = 1800

#Configure the ACD subscribe period 3600 seconds by default for SIP-T2xP/SIP-T3xP only;
account.1.subscribe_acd_expires= 3600

#Configure the code for pickup when the monitored user receives an incoming call
account.1.blf_list_code =

#Configure the code for bargein when the monitored user is in conversation
account.1.blf_list_barge_in_code =

#Assign the sip platform; 0-Local SIP Server(Default), 1-Cosmocom, 2-Broadsoft
account.1.sip_server_type = 0

```
#Enable/Disable the SIP signal encode, 0-Disabled (defaault), 1-Enabled (RC 4);
account.1.enable_signal_encode = 0

#Configure the key for encoding;
account.1.signal_encode_key =

#Configure the early media for SIP-T2xP only;
account.1.earlymedia = 0

#Configure the music on hold server for SIP-T2xP/VPphone only;
account.1.music_server_uri =

#Configure the DTMF type;        0-INBAND, 1-RFC2833(Default), 2-SIP INFO
account.1.dtmf.type = 1

#Configure the RFC2833 payload, ranges from 96 to 225 (101 by default);
account.1.dtmf.dtmf_payload = 101

#Configure DTMF info type when using SIP INFO, 0-Disabled(default), 1-DTMF-Relay,
2-DTMF, 3-Telephone-Event;
account.1.dtmf.info_type = 0

############################################################
##                        NAT Settings                    ##
############################################################
#Enable/Disable NAT traversal;       0-Disabled(Default), 1-STUN
account.1.nat.nat_traversal = 0

#Configure the STUN server address and port (3478 by default);
account.1.nat.stun_server =
account.1.nat.stun_port = 3478

#Configure the NAT keep-alive and the keep-alive interval
account.1.nat.udp_update_enable = 1
account.1.nat.udp_update_time = 30

#Enable/Disable Rport;        0-Disabled(Default), 1-Enabled
account.1.nat.rport = 0

#Define session timer T1 T2 T4
account.1.advanced.timer_t1 = 0.5
account.1.advanced.timer_t2 = 4
account.1.advanced.timer_t4 = 5
```

#Configure the audio and video attributes for VP phone only;
account.1.advanced.audio_bandwidth = 0
account.1.advanced.video_frame_rate = 30
account.1.advanced.video_i_frame_refresh_time = 30
account.1.advanced.video_bandwidth = 0
account.1.advanced.total_bandwidth = 0

#Assign a ringtone special for account1; System ring tones are:
common(default),Ring1.wav,Ring2.wav,……Ring8.wav;
#If you set the custom ring tone(Family.wav) as phone ring tone,the value format is:
Custom:Family.wav
#If you set the system ring tone(Ring2.wav) as phone ring tone,the value format is:
Resource:Ring2.wav
account.1.ringtone.ring_type =

#Enable or disable the phone to display the picture when receiving the specific SIP message(for T3xG only)
account.1.picture_info_enable = 1

#Audio codecs for account1 (Y ranges from 1 to 7) for VP phone only;
#account.1.codec.Y.enable =
#account.1.codec.Y.payload_type =
#account.1.codec.Y.priority =
#account.1.codec.Y.rtpmap =

account.1.codec.1.enable = 1
account.1.codec.1.payload_type = PCMA
account.1.codec.1.priority = 2
account.1.codec.1.rtpmap = 8

account.1.codec.2.enable = 1
account.1.codec.2.payload_type = PCMU
account.1.codec.2.priority = 1
account.1.codec.2.rtpmap = 0

account.1.codec.3.enable = 1
account.1.codec.3.payload_type = G729
account.1.codec.3.priority =3
account.1.codec.3.rtpmap = 18

account.1.codec.4.enable = 1
account.1.codec.4.payload_type = G722
account.1.codec.4.priority = 4
account.1.codec.4.rtpmap = 9

account.1.codec.5.enable = 0
account.1.codec.5.payload_type = G723
account.1.codec.5.priority = 5
account.1.codec.5.rtpmap = 4

account.1.codec.6.enable = 0
account.1.codec.6.payload_type = AACLC
account.1.codec.6.priority = 6
account.1.codec.6.rtpmap = 102

account.1.codec.7.enable = 0
account.1.codec.7.payload_type = iLBC
account.1.codec.7.priority = 7
account.1.codec.7.rtpmap = 122

#Video codecs for account1 (X rangs from 1 to 3); for VPphone only;
#account.1.video_codec.X.enable = 1
#account.1.video_codec.X.priority = 1
#account.1.video_codec.X.payload_type = H264
#account.1.video_codec.X.rtpmap = 99
#account.1.video_codec.X.para = profile-level-id=42800D; packetization-mode=0;
max-mbps=11880

account.1.video_codec.1.enable = 1
account.1.video_codec.1.priority = 1
account.1.video_codec.1.payload_type = H264
account.1.video_codec.1.rtpmap = 99
account.1.video_codec.1.para = profile-level-id=42800D; packetization-mode=0;
max-mbps=11880

account.1.video_codec.2.enable = 1
account.1.video_codec.2.priority = 2
account.1.video_codec.2.payload_type = H263
account.1.video_codec.2.rtpmap = 34
account.1.video_codec.2.para = CIF=1; QCIF=1

account.1.video_codec.3.enable = 1
account.1.video_codec.3.priority = 3
account.1.video_codec.3.payload_type = mp4v-es
account.1.video_codec.3.rtpmap = 102
account.1.video_codec.3.para = CIF=1; QCIF=1; MaxBR=3840

#Audio codecs for account1 (Y ranges from 1 to 13) for SIP-T2xP/SIP-T3xP;
#account.1.codec.Y.enable =

```
#account.1.codec.Y.payload_type =
#account.1.codec.Y.priority =
#account.1.codec.Y.rtpmap =

account.1.codec.1.enable = 1
account.1.codec.1.payload_type = PCMU
account.1.codec.1.priority = 1
account.1.codec.1.rtpmap = 0

account.1.codec.2.enable = 1
account.1.codec.2.payload_type = PCMA
account.1.codec.2.priority = 2
account.1.codec.2.rtpmap = 8

account.1.codec.3.enable = 0
account.1.codec.3.payload_type = G723_53
account.1.codec.3.priority =4
account.1.codec.3.rtpmap = 4

account.1.codec.4.enable = 0
account.1.codec.4.payload_type = G723_63
account.1.codec.4.priority = 0
account.1.codec.4.rtpmap = 4

account.1.codec.5.enable = 1
account.1.codec.5.payload_type = G729
account.1.codec.5.priority = 3
account.1.codec.5.rtpmap = 18

account.1.codec.6.enable = 1
account.1.codec.6.payload_type = G722
account.1.codec.6.priority = 4
account.1.codec.6.rtpmap = 9

account.1.codec.7.enable =
account.1.codec.7.payload_type =
account.1.codec.7.priority =
account.1.codec.7.rtpmap =

account.1.codec.8.enable = 0
account.1.codec.8.payload_type = G726-16
account.1.codec.8.priority = 0
account.1.codec.8.rtpmap = 112
account.1.codec.9.enable = 0
```

```
account.1.codec.9.payload_type = G726-24
account.1.codec.9.priority = 0
account.1.codec.9.rtpmap = 102

account.1.codec.10.enable = 0
account.1.codec.10.payload_type = G726-32
account.1.codec.10.priority = 0
account.1.codec.10.rtpmap = 2

account.1.codec.11.enable = 0
account.1.codec.11.payload_type = G726-40
account.1.codec.11.priority = 0
account.1.codec.11.rtpmap = 104

account.1.codec.12.enable = 0
account.1.codec.12.payload_type = iLBC_13_3
account.1.codec.12.priority = 0
account.1.codec.12.rtpmap = 97

account.1.codec.13.enable = 0
account.1.codec.13.payload_type = iLBC_15_2
account.1.codec.13.priority = 0
account.1.codec.13.rtpmap = 97

##############################################################
##                      Call Forward Settings                 ##
##############################################################

# 1-Enable, 0-Disable(default) whether to Always Forward
forward.always.enable = %BWCFA-BINARY-1%

# target:phonenumber that the phone will Always Forward to
forward.always.target =

#On or off Code for Always Forward. String
forward.always.on_code = %BWFAC-CFA-ACTIVATE-1%
forward.always.off_code = %BWFAC-CFA-DEACTIVATE-1%

# Busy Forward enable:the default is 0(disabled)
forward.busy.enable = 0
forward.busy.target =
forward.busy.on_code = %BWFAC-CFB-ACTIVATE-1%
forward.busy.off_code = %BWFAC-CFB-DEACTIVATE-1%
```

```
# No answer. timeout:5s,10,15,20 (second)the time after which the call will be forwarded
when using No Answer Forward
forward.no_answer.enable = 0
forward.no_answer.target =
forward.no_answer.timeout = 10
forward.no_answer.on_code = %BWFAC-CFNA-ACTIVATE-1%
forward.no_answer.off_code = %BWFAC-CFNA-DEACTIVATE-1%

##############################################################
##                        DND Settings                      ##
##############################################################

features.dnd.on_code =%BWFAC-DND-ACTIVATE-1%
features.dnd.off_code =%BWFAC-DND-DEACTIVATE-1%

##############################################################
##                      Account2 Settings                   ##
##############################################################
#Enable or disable the account2, 0-Disabled(default), 1-Enabled;
account.2.enable = %BWLINE-BINARY-2%

#Configure the account2 label which will display on the LCD screen.
account.2.label = %BWEXTENSION-2%

#Configure the display name of account2
account.2.display_name =%BWCLID-2%

#Configure the user and password for register authentication
account.2.auth_name =%BWAUTHUSER-2%
account.2.password =%BWAUTHPASSWORD-2%

#Configure the register user name
account.2.user_name = %BWLINEPORT-2%

#Configure the SIP server address and port(5060 by default)
account.2.sip_server_host = %BWHOST-2%
account.2.sip_server_port = 5060

#Enable/Disable the outbound proxy server, fill the IP address/domain of the outbound
proxy server and the server port(5060 by default)
account.2.outbound_proxy_enable = %USE_SBC_BOOLEAN%
account.2.outbound_host =%SBC_ADDRESS%
account.2.outbound_port = %SBC_PORT%
#For VPphone only
```

account.2.sip_server_host_readonly = 0

#Configure the transport type; 0-UDP(Default), 1-TCP, 2-TLS, 3-DNS SRV
account.2.transport = 0

#Configure the backup outbound proxy server address and port(5060 by default)
account.2.backup_outbound_host =
account.2.backup_outbound_port = 5060

#Configure the voice mail number of account2.
voice_mail.number.2 = %BWVOICE-PORTAL-NUMBER-2%

#Active/Deactive proxy require
account.2.proxy_require =

#Enable/Disable the anonymous call feature for account2; 0-Disabled(Default), 1-Enabled
account.2.anonymous_call = 0

#Configure the oncode/offcode for turning on/off anonymous call feature
account.2.anonymous_call_oncode =
account.2.anonymous_call_offcode =

#Enable/Disable the reject anonymous call feature for account2; 0-Disabled(Default), 1-Enabled
account.2.reject_anonymous_call = 0

#Configure the oncode/offcode for turning on/off reject anonymous call feature
account.2.anonymous_reject_oncode =
account.2.anonymous_reject_offcode =

Configure the SIP port for local account2
account.2.sip_listen_port = 5060

#Configure the register expire time
account.2.expires = 3600

#Enable/Disable 100 reliable retransmission; 0-Disabled(Default), 1-Enabled
account.2.100rel_enable = 0

#Enable/Disable the resource reservation; 0-Disabled(Default), 1-Enabled
account.2.precondition = 0

#Enble/Disable subscribe the register status; 0-Disabled(Default), 1-Enabled

account.2.subscribe_register = 0

#Enable/Disable subscribe the Message Waiting Indicator; 0-Disabled(Default), 1-Enabled
account.2.subscribe_mwi = 0

#Configure MWI subscribe expires 3600 seconds by default
account.2.subscribe_mwi_expires = 3600

#Select SIP header(s) carrying the caller ID; 0-FROM(Default), 1-PAI, 2-PAI-FROM, 3-PRID-PAI-FROM, 4-PAI-RPID-FROM, 5-RPID-FROM account.2.cid_source = 0
account.2.cid_source = 0

#Select SIP header(s) carrying the called party ID for VPphone only 0-FROM(Default), 1-PAI, 2-PAI-FROM, 3-PRID-PAI-FROM, 4-PAI-RPID-FROM, 5-RPID-FROM account.2.cid_source = 0
account.2.cp_source = 0

#Enable/Disable session timer 0-Disabled(Default), 1-Enabled
account.2.session_timer.enable = 0

#Configure session timer expire
account.2.session_timer.expires = 3600

#Configure the session timer refresher; 0-Uac(Default), 1-Uas
account.2.session_timer.refresher = 0

#Enable/Disable "user=phone"; 0-Disabled(Default), 1-Enabled
account.2.enable_user_equal_phone = 0

#Enable/Disable SRTP; 0-Disabled(Default), 1-Enabled
account.2.srtp_encryption = 0

#Configure the RTP packet time; 0-Disabled, 10, 20(Default), 30, 40, 50, 60
account.2.ptime = 20

#Assign account2 as shared line; 0-Disabled/Private(Default), 1-Broadsoft_shared_line, 2-Draft_bridge_line_appearance
account.2.shared_line = %BWSHAREDLINE-BINARY-2%

#Configure BLA number and the subscribe period when account2 is a BLA line
account.2.bla_number =
account.2.bla_subscribe_period = 300
#Enable/Disable call pickup using dialog-info sip header; 0-Disabled(Default),

1-Enabled
account.2.dialoginfo_callpickup = 0

#Enable/Disable auto answer when receiving a incoming call for accout2;
0-Disabled(Default), 1-Enabled
account.2.auto_answer = 0

#Enable/Disable record the Missed calllog; 0-Disabled, 1-Enabled(Default)
account.2.missed_calllog = 1

#Enable/Disable subscribe the voicemail number for MWI; 0-Disabled(Default), 1-Enabled
account.2.subscribe_mwi_to_vm = 0

#Enable/Disable sending mac address and line number in the Register message;
0-Disabled(Default), 1-Enabled
account.2.register_mac = 0
account.2.register_line = 0

#Configure interval time for retrying register when account2 register failed 30 seconds by default
account.2.reg_fail_retry_interval = 30

#Enable/Disable network conference; 0-Local(Default), 1-ATS, 2-Network Conference
account.2.conf_type = 0

#Configure the factory conference uri(a SIP URI, or user part of the SIP URI), for example, "conference@domain.com" or "conference"
account.2.conf_uri = %BWNETWORK-CONFERENCE-SIPURI-2%

#Connfigure the BLF List URI (a SIP URI, or user part of the SIP URI), for example, "2300_blflist@domain.com" or "2300_blflist"
account.2.blf.blf_list_uri =%BWBLF-URI-2%

#Configure the blf subscribe period 1800 seconds by default
account.2.blf.subscribe_period = 1800

#Configure the ACD subscribe period 3600 seconds by default for SIP-T2xP/SIP-T3xP only;
account.2.subscribe_acd_expires= 3600

#Configure the code for pickup when the monitored user receives an incoming call
account.2.blf_list_code =

#Configure the code for bargein when the monitored user is in conversation

```
account.2.blf_list_barge_in_code =

#Assign the sip platform;        0-Local SIP Server(Default), 1-Cosmocom, 2-Broadsoft
account.2.sip_server_type = 0

#Configure the key for encoding;
account.2.signal_encode_key =

#Configure the early media for SIP-T2xP only;
account.2.earlymedia = 0

#Configure the music on hold server for SIP-T2xP/VPphone only;
account.2.music_server_uri =

#Configure the DTMF type;        0-INBAND, 1-RFC2833(Default), 2-SIP INFO
account.2.dtmf.type = 1

#Configure the RFC2833 payload, ranges from 96 to 225(101 by default);
account.2.dtmf.dtmf_payload = 101

#Configure DTMF info type when using SIP INFO, 0-Disabled(default), 1-DTMF-Relay,
2-DTMF, 3-Telephone-Event;
account.2.dtmf.info_type = 0

##############################################################
##                          NAT Settings                    ##
##############################################################
#Enable/Disable NAT traversal; 0-Disabled(Default), 1-STUN
account.2.nat.nat_traversal = 0

#Configure the STUN server address and port (3478 by default);
account.2.nat.stun_server =
account.2.nat.stun_port = 3478

#Configure the NAT keep-alive and the keep-alive interval(in seconds), 30 by default;
account.2.nat.udp_update_enable = 1
account.2.nat.udp_update_time = 30

#Enable/Disable Rport;        0-Disabled(Default), 1-Enabled
account.2.nat.rport = 0

#Define session timer T1 T2 T4
account.2.advanced.timer_t1 = 0.5
account.2.advanced.timer_t2 = 4
```

```
account.2.advanced.timer_t4 = 5

#Configure the audio and video attributes for VP phone only;
account.2.advanced.audio_bandwidth = 0
account.2.advanced.video_frame_rate = 30
account.2.advanced.video_i_frame_refresh_time = 30
account.2.advanced.video_bandwidth = 0
account.2.advanced.total_bandwidth = 0

#Assign a ringtone special for account2; System ring tones are:
common(default),Ring1.wav,Ring2.wav,……Ring8.wav;
#If you set the custom ring tone(Family.wav) as phone ring tone,the value format is:
Custom:Family.wav
#If you set the system ring tone(Ring2.wav) as phone ring tone,the value format is:
Resource:Ring2.wav
account.2.ringtone.ring_type =

#Enable or disable the phone to display the picture when receiving the specific SIP
message(for T3xG only)
account.2.picture_info_enable = 1

#Audio codecs for account2 (Y rangs from 1 to 7)for VP phone only;
#account.2.codec.Y.enable =
#account.2.codec.Y.payload_type =
#account.2.codec.Y.priority =
#account.2.codec.Y.rtpmap =

account.2.codec.1.enable = 1
account.2.codec.1.payload_type = PCMA
account.2.codec.1.priority = 2
account.2.codec.1.rtpmap = 8

account.2.codec.2.enable = 1
account.2.codec.2.payload_type = PCMU
account.2.codec.2.priority = 1
account.2.codec.2.rtpmap = 0

account.2.codec.3.enable = 1
account.2.codec.3.payload_type = G729
account.2.codec.3.priority = 3
account.2.codec.3.rtpmap = 18

account.2.codec.4.enable = 1
account.2.codec.4.payload_type = G722
```

account.2.codec.4.priority = 4
account.2.codec.4.rtpmap = 9

account.2.codec.5.enable = 0
account.2.codec.5.payload_type = G723
account.2.codec.5.priority = 5
account.2.codec.5.rtpmap = 4

account.2.codec.6.enable = 0
account.2.codec.6.payload_type = AACLC
account.2.codec.6.priority = 6
account.2.codec.6.rtpmap = 102

account.2.codec.7.enable = 0
account.2.codec.7.payload_type = iLBC
account.2.codec.7.priority = 7
account.2.codec.7.rtpmap = 122

#Video codecs for account2 (X rangs from 1 to 3)for VP phone only;
#account.2.video_codec.X.enable =
#account.2.video_codec.X.priority =
#account.2.video_codec.X.payload_type =
#account.2.video_codec.X.rtpmap =
#account.2.video_codec.X.para =

account.2.video_codec.1.enable = 1
account.2.video_codec.1.priority = 1
account.2.video_codec.1.payload_type = H264
account.2.video_codec.1.rtpmap = 99
account.2.video_codec.1.para = profile-level-id=42800D; packetization-mode=0;
max-mbps=11880

account.2.video_codec.2.enable = 1
account.2.video_codec.2.priority = 2
account.2.video_codec.2.payload_type = H263
account.2.video_codec.2.rtpmap = 34
account.2.video_codec.2.para = CIF=1; QCIF=1

account.2.video_codec.3.enable = 1
account.2.video_codec.3.priority = 3
account.2.video_codec.3.payload_type = mp4v-es
account.2.video_codec.3.rtpmap = 102
account.2.video_codec.3.para = CIF=1; QCIF=1; MaxBR=3840
#Audio codecs for account1 (Y ranges from 1 to 13) for SIP-T2xP/SIP-T3xP;

```
#account.2.codec.Y.enable =
#account.2.codec.Y.payload_type =
#account.2.codec.Y.priority =
#account.2.codec.Y.rtpmap =

account.2.codec.1.enable = 1
account.2.codec.1.payload_type = PCMU
account.2.codec.1.priority = 1
account.2.codec.1.rtpmap = 0

account.2.codec.2.enable = 1
account.2.codec.2.payload_type = PCMA
account.2.codec.2.priority = 2
account.2.codec.2.rtpmap = 8

account.2.codec.3.enable = 0
account.2.codec.3.payload_type = G723_53
account.2.codec.3.priority =4
account.2.codec.3.rtpmap = 4

account.2.codec.4.enable = 0
account.2.codec.4.payload_type = G723_63
account.2.codec.4.priority = 0
account.2.codec.4.rtpmap = 4

account.2.codec.5.enable = 1
account.2.codec.5.payload_type = G729
account.2.codec.5.priority = 3
account.2.codec.5.rtpmap = 18

account.2.codec.6.enable = 1
account.2.codec.6.payload_type = G722
account.2.codec.6.priority = 4
account.2.codec.6.rtpmap = 9

account.2.codec.7.enable =
account.2.codec.7.payload_type =
account.2.codec.7.priority =
account.2.codec.7.rtpmap =

account.2.codec.8.enable = 0
account.2.codec.8.payload_type = G726-16
account.2.codec.8.priority = 0
account.2.codec.8.rtpmap = 112
```

```
account.2.codec.9.enable = 0
account.2.codec.9.payload_type = G726-24
account.2.codec.9.priority = 0
account.2.codec.9.rtpmap = 102

account.2.codec.10.enable = 0
account.2.codec.10.payload_type = G726-32
account.2.codec.10.priority = 0
account.2.codec.10.rtpmap = 2

account.2.codec.11.enable = 0
account.2.codec.11.payload_type = G726-40
account.2.codec.11.priority = 0
account.2.codec.11.rtpmap = 104

account.2.codec.12.enable = 0
account.2.codec.12.payload_type = iLBC_13_3
account.2.codec.12.priority = 0
account.2.codec.12.rtpmap = 97

account.2.codec.13.enable = 0
account.2.codec.13.payload_type = iLBC_15_2
account.2.codec.13.priority = 0
account.2.codec.13.rtpmap = 97

##############################################################
##                    Call Forward Settings                 ##
##############################################################

# 1-Enable, 0-Disable(default) whether to Always Forward
forward.always.enable = %BWCFA-BINARY-2%

# target:phonenumber that the phone will Always Forward to
forward.always.target =

#On or off Code for Always Forward. String
forward.always.on_code = %BWFAC-CFA-ACTIVATE-2%
forward.always.off_code = %BWFAC-CFA-DEACTIVATE-2%

# Busy Forward enable:the default is 0(disabled)
forward.busy.enable = 0
forward.busy.target =
forward.busy.on_code = %BWFAC-CFB-ACTIVATE-2%
forward.busy.off_code = %BWFAC-CFB-DEACTIVATE-2%
```

```
# No answer. timeout:5s,10,15,20 (second)the time after which the call will be forwarded
when using No Answer Forward
forward.no_answer.enable = 0
forward.no_answer.target =
forward.no_answer.timeout = 10
forward.no_answer.on_code = %BWFAC-CFNA-ACTIVATE-2%
forward.no_answer.off_code = %BWFAC-CFNA-DEACTIVATE-2%

##############################################################
##                        DND Settings                      ##
##############################################################

features.dnd.on_code =%BWFAC-DND-ACTIVATE-2%
features.dnd.off_code =%BWFAC-DND-DEACTIVATE-2%

##############################################################
##    Account3 Settings    (For SIP-T28P/T26P/T22P/T80P/SIP-T38G/T32G/VPphone only) ##
##############################################################
#Enable or disable the account3, 0-Disabled(default), 1-Enabled;
account.3.enable =%BWLINE-BINARY-3%

#Configure the account3 label which will display on the LCD screen.
account.3.label = %BWEXTENSION-3%

#Configure the display name of account3
account.3.display_name =%BWCLID-3%

#Configure the user and password for register authentication
account.3.auth_name = %BWAUTHUSER-3%
account.3.password =%BWAUTHPASSWORD-3%

#Configure the register user name
account.3.user_name = %BWLINEPORT-3%

#Configure the SIP server address and port(5060 by default)
account.3.sip_server_host =%BWHOST-3%
account.3.sip_server_port = 5060

#Enable/Disable the outbound proxy server, fill the IP address/domain of the outbound
proxy server and the server port(5060 by default)
account.3.outbound_proxy_enable = %USE_SBC_BOOLEAN%
account.3.outbound_host =%SBC_ADDRESS%
account.3.outbound_port = %SBC_PORT%
#For VPphone only;
```

account.3.sip_server_host_readonly = 0

#Configure the transport type; 0-UDP(Default), 1-TCP, 2-TLS, 3-DNS SRV
account.3.transport = 0

#Configure the backup outbound proxy server address and port(5060 by default)
account.3.backup_outbound_host =
account.3.backup_outbound_port = 5060

#Configure the voice mail number of account3.
voice_mail.number.3 = %BWVOICE-PORTAL-NUMBER-3%

#Active/Deactive proxy require
account.3.proxy_require =

#Enable/Disable the anonymous call feature for account3; 0-Disabled(Default), 1-Enabled
account.3.anonymous_call = 0

#Configure the oncode/offcode for turning on/off anonymous call feature
account.3.anonymous_call_oncode =
account.3.anonymous_call_offcode =

#Enable/Disable the reject anonymous call feature for account3; 0-Disabled(Default), 1-Enabled
account.3.reject_anonymous_call = 0

#Configure the oncode/offcode for turning on/off reject anonymous call feature
account.3.anonymous_reject_oncode =
account.3.anonymous_reject_offcode =

Configure the SIP port for local account3
account.3.sip_listen_port = 5060

#Configure the register expire time
account.3.expires = 3600

#Enable/Disable 100 reliable retransmission; 0-Disabled(Default), 1-Enabled
account.3.100rel_enable = 0

#Enable/Disable the resource reservation; 0-Disabled(Default), 1-Enabled
account.3.precondition = 0

#Enble/Disable subscribe the register status; 0-Disabled(Default), 1-Enabled

account.3.subscribe_register = 0

#Enable/Disable subscribe the Message Waiting Indicator; 0-Disabled(Default), 1-Enabled
account.3.subscribe_mwi = 0

#Configure MWI subscribe expires 3600 seconds by default
account.3.subscribe_mwi_expires = 3600

#Select SIP header(s) carrying the caller ID; 0-FROM(Default), 1-PAI, 2-PAI-FROM, 3-PRID-PAI-FROM, 4-PAI-RPID-FROM, 5-RPID-FROM account.3.cid_source = 0
account.3.cid_source = 0

#Select SIP header(s) carrying the called party ID for VPphone only; 0-FROM(Default), 1-PAI, 2-PAI-FROM, 3-PRID-PAI-FROM, 4-PAI-RPID-FROM, 5-RPID-FROM account.3.cid_source = 0
account.3.cp_source = 0

#Enable/Disable session timer; 0-Disabled(Default), 1-Enabled
account.3.session_timer.enable = 0

#Configure session timer expire
account.3.session_timer.expires = 3600

#Configure the session timer refresher; 0-Uac(Default), 1-Uas
account.3.session_timer.refresher = 0

#Enable/Disable "user=phone"; 0-Disabled(Default), 1-Enabled
account.3.enable_user_equal_phone = 0

#Enable/Disable SRTP; 0-Disabled(Default), 1-Enabled
account.3.srtp_encryption = 0

#Configure the RTP packet time; 0-Disabled, 10, 20(Default), 30, 40, 50, 60
account.3.ptime = 20

#Assign account3 as shared line; 0-Disabled/Private(Default), 1-Broadsoft_shared_line, 2-Draft_bridge_line_appearance
account.3.shared_line = %BWSHAREDLINE-BINARY-3%

#Configure BLA number and the subscribe period when account3 is a BLA line
account.3.bla_number =
account.3.bla_subscribe_period = 300

#Enable/Disable call pickup using dialog-info sip header; 0-Disabled(Default), 1-Enabled
account.3.dialoginfo_callpickup = 0

#Enable/Disable auto answer when receiving a incoming call for accout3; 0-Disabled(Default), 1-Enabled
account.3.auto_answer = 0

#Enable/Disable record the Missed calllog; 0-Disabled, 1-Enabled(Default)
account.3.missed_calllog = 1

#Enable/Disable subscribe the voicemail number for MWI; 0-Disabled(Default), 1-Enabled
account.3.subscribe_mwi_to_vm = 0

#Enable/Disable sending mac address and line number in the Register message; 0-Disabled(Default), 1-Enabled
account.3.register_mac = 0
account.3.register_line = 0

#Configure interval time for retrying register when account3 register failed 30 seconds by default
account.3.reg_fail_retry_interval = 30

#Enable/Disable network conference; 0-Local(Default), 1-ATS, 2-Network Conference
account.3.conf_type = 0

#Configure the factory conference uri(a SIP URI, or user part of the SIP URI), for example, "conference@domain.com" or "conference"
account.3.conf_uri =%BWNETWORK-CONFERENCE-SIPURI-3%

#Connfigure the BLF List URI (a SIP URI, or user part of the SIP URI), for example, "2300_blflist@domain.com" or "2300_blflist"
account.3.blf.blf_list_uri = %BWBLF-URI-3%

#Configure the blf subscribe period 1800 seconds by default
account.3.blf.subscribe_period = 1800

#Configure the ACD subscribe period 3600 seconds by default for SIP-T2xP/SIP-T3xG only;
account.3.subscribe_acd_expires= 3600
#Configure the code for pickup when the monitored user receives an incoming call
account.3.blf_list_code =

#Configure the code for bargein when the monitored user is in conversation
account.3.blf_list_barge_in_code =

#Assign the sip platform; 0-Local SIP Server(Default), 1-Cosmocom, 2-Broadsoft
account.3.sip_server_type = 0

#Enable/Disable the SIP signal encode, 0-Disabled (defaault), 1-Enabled (RC 4);
account.3.enable_signal_encode = 0

#Configure the key for encoding;
account.3.signal_encode_key =

#Configure the early media for SIP-T2xP only;
account.3.earlymedia = 0

#Configure the music on hold server for SIP-T2xP/VPphone only;
account.3.music_server_uri =

#Configure the DTMF type; 0-INBAND, 1-RFC2833(Default), 2-SIP INFO
account.3.dtmf.type = 1

#Configure the RFC2833 payload, ranges from 96 to 225(101 by default);
account.3.dtmf.dtmf_payload = 101

#Configure DTMF info type when using SIP INFO, 0-Disabled(default), 1-DTMF-Relay,
2-DTMF, 3-Telephone-Event;
account.3.dtmf.info_type = 0

##
NAT Settings
##
#Enable/Disable NAT traversal; 0-Disabled(Default), 1-STUN
account.3.nat.nat_traversal = 0

#Configure the STUN server address and port
account.3.nat.stun_server =
account.3.nat.stun_port = 3478

#Configure the NAT keep-alive and the keep-alive interval
account.3.nat.udp_update_enable = 1
account.3.nat.udp_update_time = 30
#Enable/Disable Rport; 0-Disabled(Default), 1-Enabled
account.3.nat.rport = 0

#Define session timer T1 T2 T4
account.3.advanced.timer_t1 = 0.5
account.3.advanced.timer_t2 = 4
account.3.advanced.timer_t4 = 5

#Configure the audio and video attributes for VP phone only;
account.3.advanced.audio_bandwidth = 0
account.3.advanced.video_frame_rate = 30
account.3.advanced.video_i_frame_refresh_time = 30
account.3.advanced.video_bandwidth = 0
account.3.advanced.total_bandwidth = 0

#Assign a ringtone special for account3; System ring tones are:
common(default),Ring1.wav,Ring2.wav,……Ring8.wav;
#If you set the custom ring tone(Family.wav) as phone ring tone,the value format is:
Custom:Family.wav
#If you set the system ring tone(Ring2.wav) as phone ring tone,the value format is:
Resource:Ring2.wav
account.3.ringtone.ring_type =

#Enable or disable the phone to display the picture when receiving the specific SIP message(for T3xG only)
account.3.picture_info_enable = 1

#Audio codecs for account3 (Y rangs from 1 to 7)for VP phone only;
#account.3.codec.Y.enable =
#account.3.codec.Y.payload_type =
#account.3.codec.Y.priority =
#account.3.codec.Y.rtpmap =

account.3.codec.1.enable = 1
account.3.codec.1.payload_type = PCMA
account.3.codec.1.priority = 2
account.3.codec.1.rtpmap = 8

account.3.codec.2.enable = 1
account.3.codec.2.payload_type = PCMU
account.3.codec.2.priority = 1
account.3.codec.2.rtpmap = 0

account.3.codec.3.enable = 1
account.3.codec.3.payload_type = G729
account.3.codec.3.priority = 3
account.3.codec.3.rtpmap = 18

account.3.codec.4.enable = 1
account.3.codec.4.payload_type = G722
account.3.codec.4.priority = 4
account.3.codec.4.rtpmap = 9

account.3.codec.5.enable = 0
account.3.codec.5.payload_type = G723
account.3.codec.5.priority = 5
account.3.codec.5.rtpmap = 4

account.3.codec.6.enable = 0
account.3.codec.6.payload_type = AACLC
account.3.codec.6.priority = 6
account.3.codec.6.rtpmap = 102

account.3.codec.7.enable = 0
account.3.codec.7.payload_type = iLBC
account.3.codec.7.priority = 7
account.3.codec.7.rtpmap = 122

#Video codecs for account3 (X rangs from 1 to 3); for VPphone only;
#account.3.video_codec.X.enable =
#account.3.video_codec.X.priority =
#account.3.video_codec.X.payload_type =
#account.3.video_codec.X.rtpmap =
#account.3.video_codec.X.para =

account.3.video_codec.1.enable = 1
account.3.video_codec.1.priority = 1
account.3.video_codec.1.payload_type = H264
account.3.video_codec.1.rtpmap = 99
account.3.video_codec.1.para = profile-level-id=42800D; packetization-mode=0;
max-mbps=11880

account.3.video_codec.2.enable = 1
account.3.video_codec.2.priority = 2
account.3.video_codec.2.payload_type = H263
account.3.video_codec.2.rtpmap = 34
account.3.video_codec.2.para = CIF=1; QCIF=1

account.3.video_codec.3.enable = 1
account.3.video_codec.3.priority = 3
account.3.video_codec.3.payload_type = mp4v-es
account.3.video_codec.3.rtpmap = 102

account.3.video_codec.3.para = CIF=1; QCIF=1; MaxBR=3840

#Audio codecs for account1 (Y ranges from 1 to 13) for SIP-T2xP/SIP-T3xP;
#account.3.codec.Y.enable =
#account.3.codec.Y.payload_type =
#account.3.codec.Y.priority =
#account.3.codec.Y.rtpmap =

account.3.codec.1.enable = 1
account.3.codec.1.payload_type = PCMU
account.3.codec.1.priority = 1
account.3.codec.1.rtpmap = 0

account.3.codec.2.enable = 1
account.3.codec.2.payload_type = PCMA
account.3.codec.2.priority = 2
account.3.codec.2.rtpmap = 8

account.3.codec.3.enable = 0
account.3.codec.3.payload_type = G723_53
account.3.codec.3.priority =4
account.3.codec.3.rtpmap = 4

account.3.codec.4.enable = 0
account.3.codec.4.payload_type = G723_63
account.3.codec.4.priority = 0
account.3.codec.4.rtpmap = 4

account.3.codec.5.enable = 1
account.3.codec.5.payload_type = G729
account.3.codec.5.priority = 3
account.3.codec.5.rtpmap = 18

account.3.codec.6.enable = 1
account.3.codec.6.payload_type = G722
account.3.codec.6.priority = 4
account.3.codec.6.rtpmap = 9

account.3.codec.7.enable =
account.3.codec.7.payload_type =
account.3.codec.7.priority =
account.3.codec.7.rtpmap =

account.3.codec.8.enable = 0

```
account.3.codec.8.payload_type = G726-16
account.3.codec.8.priority = 0
account.3.codec.8.rtpmap = 112

account.3.codec.9.enable = 0
account.3.codec.9.payload_type = G726-24
account.3.codec.9.priority = 0
account.3.codec.9.rtpmap = 102

account.3.codec.10.enable = 0
account.3.codec.10.payload_type = G726-32
account.3.codec.10.priority = 0
account.3.codec.10.rtpmap = 2

account.3.codec.11.enable = 0
account.3.codec.11.payload_type = G726-40
account.3.codec.11.priority = 0
account.3.codec.11.rtpmap = 104

account.3.codec.12.enable = 0
account.3.codec.12.payload_type = iLBC_13_3
account.3.codec.12.priority = 0
account.3.codec.12.rtpmap = 97

account.3.codec.13.enable = 0
account.3.codec.13.payload_type = iLBC_15_2
account.3.codec.13.priority = 0
account.3.codec.13.rtpmap = 97

##############################################################
##                    Call Forward Settings                 ##
##############################################################

# 1-Enable, 0-Disable(default) whether to Always Forward
forward.always.enable = %BWCFA-BINARY-3%

# target:phonenumber that the phone will Always Forward to
forward.always.target =

#On or off Code for Always Forward. String
forward.always.on_code = %BWFAC-CFA-ACTIVATE-3%
forward.always.off_code = %BWFAC-CFA-DEACTIVATE-3%

# Busy Forward enable:the default is 0(disabled)
```

```
forward.busy.enable = 0
forward.busy.target =
forward.busy.on_code = %BWFAC-CFB-ACTIVATE-3%
forward.busy.off_code = %BWFAC-CFB-DEACTIVATE-3%

# No answer. timeout:5s,10,15,20 (second)the time after which the call will be forwarded
when using No Answer Forward
forward.no_answer.enable = 0
forward.no_answer.target =
forward.no_answer.timeout = 10
forward.no_answer.on_code = %BWFAC-CFNA-ACTIVATE-3%
forward.no_answer.off_code = %BWFAC-CFNA-DEACTIVATE-3%

##############################################################
##                          DND Settings                    ##
##############################################################

features.dnd.on_code =%BWFAC-DND-ACTIVATE-3%
features.dnd.off_code =%BWFAC-DND-DEACTIVATE-3%

##############################################################
##          Account4 Settings  (For SIP-T28P/SIP-T38G/VPphone only )          ##
##############################################################
#Enable or disable the account4, 0-Disabled(default), 1-Enabled;
account.4.enable = %BWLINE-BINARY-4%

#Configure the account4 label which will display on the LCD screen.
account.4.label =%BWEXTENSION-4%

#Configure the display name of account4
account.4.display_name =%BWCLID-4%

#Configure the user and password for register authentication
account.4.auth_name =%BWAUTHUSER-4%
account.4.password =%BWAUTHPASSWORD-4%

#Configure the register user name
account.4.user_name = %BWLINEPORT-4%

#Configure the SIP server address and port(5060 by default)
account.4.sip_server_host = %BWHOST-4%
account.4.sip_server_port = 5060

#Enable/Disable the outbound proxy server, fill the IP address/domain of the outbound
```

```
proxy server and the server port(5060 by default)
account.4.outbound_proxy_enable = %USE_SBC_BOOLEAN%
account.4.outbound_host = %SBC_ADDRESS%
account.4.outbound_port = %SBC_PORT%

#For VPphone only;
account.4.sip_server_host_readonly = 0

#Configure the transport type;        0-UDP(Default), 1-TCP, 2-TLS, 3-DNS SRV
account.4.transport = 0

#Configure the backup outbound proxy server address and port(5060 by default)
account.4.backup_outbound_host =
account.4.backup_outbound_port = 5060

#Configure the voice mail number of account4.
voice_mail.number.4 = %BWVOICE-PORTAL-NUMBER-4%

#Active/Deactive proxy require
account.4.proxy_require =

#Enable/Disable the anonymous call feature for account4;        0-Disabled(Default),
1-Enabled
account.4.anonymous_call = 0

#Configure the oncode/offcode for turning on/off anonymous call feature
account.4.anonymous_call_oncode =
account.4.anonymous_call_offcode =

#Enable/Disable the reject anonymous call feature for account4;        0-Disabled(Default),
1-Enabled
account.4.reject_anonymous_call = 0

#Configure the oncode/offcode for turning on/off reject anonymous call feature
account.4.anonymous_reject_oncode =
account.4.anonymous_reject_offcode =

Configure the SIP port for local account4
account.4.sip_listen_port = 5060

#Configure the register expire time
account.4.expires = 3600

#Enable/Disable 100 reliable retransmission;        0-Disabled(Default), 1-Enabled
```

account.4.100rel_enable = 0

#Enable/Disable the resource reservation; 0-Disabled(Default), 1-Enabled
account.4.precondition = 0

#Enble/Disable subscribe the register status; 0-Disabled(Default), 1-Enabled
account.4.subscribe_register = 0

#Enable/Disable subscribe the Message Waiting Indicator; 0-Disabled(Default), 1-Enabled
account.4.subscribe_mwi = 0

#Configure MWI subscribe expires 3600 seconds by default
account.4.subscribe_mwi_expires = 3600

#Select SIP header(s) carrying the caller ID; 0-FROM(Default), 1-PAI, 2-PAI-FROM, 3-PRID-PAI-FROM, 4-PAI-RPID-FROM, 5-RPID-FROM account.4.cid_source = 0
account.4.cid_source = 0

#Select SIP header(s) carrying the called party ID for VPphone only; 0-FROM(Default), 1-PAI, 2-PAI-FROM, 3-PRID-PAI-FROM, 4-PAI-RPID-FROM, 5-RPID-FROM account.4.cid_source = 0
account.4.cp_source = 0

#Enable/Disable session timer; 0-Disabled(Default), 1-Enabled
account.4.session_timer.enable = 0

#Configure session timer expire
account.4.session_timer.expires = 3600

#Configure the session timer refresher; 0-Uac(Default), 1-Uas
account.4.session_timer.refresher = 0

#Enable/Disable "user=phone"; 0-Disabled(Default), 1-Enabled
account.4.enable_user_equal_phone = 0

#Enable/Disable SRTP; 0-Disabled(Default), 1-Enabled
account.4.srtp_encryption = 0

#Configure the RTP packet time; 0-Disabled, 10, 20(Default), 30, 40, 50, 60
account.4.ptime = 20

#Assign account4 as shared line; 0-Disabled/Private(Default), 1-Broadsoft_shared_line, 2-Draft_bridge_line_appearance

account.4.shared_line = %BWSHAREDLINE-BINARY-4%

#Configure BLA number and the subscribe period when account4 is a BLA line
account.4.bla_number =
account.4.bla_subscribe_period = 300

#Enable/Disable call pickup using dialog-info sip header; 0-Disabled(Default), 1-Enabled
account.4.dialoginfo_callpickup = 0

#Enable/Disable auto answer when receiving a incoming call for accout1; 0-Disabled(Default), 1-Enabled
account.4.auto_answer = 0

#Enable/Disable record the Missed calllog; 0-Disabled, 1-Enabled(Default)
account.4.missed_calllog = 1

#Enable/Disable subscribe the voicemail number for MWI; 0-Disabled(Default), 1-Enabled
account.4.subscribe_mwi_to_vm = 0

#Enable/Disable sending mac address and line number in the Register message; 0-Disabled(Default), 1-Enabled
account.4.register_mac = 0
account.4.register_line = 0

#Configure interval time for retrying register when account4 register failed 30 seconds by default
account.4.reg_fail_retry_interval = 30

#Enable/Disable network conference; 0-Local(Default), 1-ATS, 2-Network Conference
account.4.conf_type = 0

#Configure the factory conference uri(a SIP URI, or user part of the SIP URI), for example, "conference@domain.com" or "conference"
account.4.conf_uri =%BWNETWORK-CONFERENCE-SIPURI-4%

#Connfigure the BLF List URI (a SIP URI, or user part of the SIP URI), for example, "2300_blflist@domain.com" or "2300_blflist"
account.4.blf.blf_list_uri = %BWBLF-URI-4%
#Configure the blf subscribe period 1800 seconds by default
account.4.blf.subscribe_period = 1800

#Configure the ACD subscribe period 3600 seconds by default for SIP-T2xP/SIP-T3xG only;

account.4.subscribe_acd_expires= 3600

#Configure the code for pickup when the monitored user receives an incoming call
account.4.blf_list_code =

#Configure the code for bargein when the monitored user is in conversation
account.4.blf_list_barge_in_code =

#Assign the sip platform; 0-Local SIP Server(Default), 1-Cosmocom, 2-Broadsoft
account.4.sip_server_type = 0

#Enable/Disable the SIP signal encode, 0-Disabled (defaault), 1-Enabled (RC 4);
account.4.enable_signal_encode = 0

#Configure the key for encoding;
account.4.signal_encode_key =

#Configure the early media for SIP-T2xP only;
account.4.earlymedia = 0

#Configure the music on hold server for SIP-T2xP/VPphone only;
account.4.music_server_uri =

#Configure the DTMF type; 0-INBAND, 1-RFC2833(Default), 2-SIP INFO
account.4.dtmf.type = 1

#Configure the RFC2833 payload, ranges from 96 to 225 (101 by default);
account.4.dtmf.dtmf_payload = 101

#Configure DTMF info type when using SIP INFO, 0-Disabled(default), 1-DTMF-Relay,
2-DTMF, 3-Telephone-Event;
account.4.dtmf.info_type = 0

##
NAT Settings
##
#Enable/Disable NAT traversal; 0-Disabled(Default), 1-STUN
account.4.nat.nat_traversal = 0

#Configure the STUN server address and port
account.4.nat.stun_server =
account.4.nat.stun_port = 3478

#Configure the NAT keep-alive and the keep-alive interval

```
account.4.nat.udp_update_enable = 1
account.4.nat.udp_update_time = 30

#Enable/Disable Rport;        0-Disabled(Default), 1-Enabled
account.4.nat.rport = 0

#Define session timer T1 T2 and T4;
account.4.advanced.timer_t1 = 0.5
account.4.advanced.timer_t2 = 4
account.4.advanced.timer_t4 = 5

#Configure the audio and video attributes for VP phone only;
account.4.advanced.audio_bandwidth = 0
account.4.advanced.video_frame_rate = 30
account.4.advanced.video_i_frame_refresh_time = 30
account.4.advanced.video_bandwidth = 0
account.4.advanced.total_bandwidth = 0

#Assign a ringtone for account4; System ring tones are:
common(default),Ring1.wav,Ring2.wav,……Ring8.wav;
#If you set the custom ring tone(Family.wav) as phone ring tone,the value format is:
Custom:Family.wav
#If you set the system ring tone(Ring2.wav) as phone ring tone,the value format is:
Resource:Ring2.wav
account.4.ringtone.ring_type =

#Enable or disable the phone to display the picture when receiving the specific SIP
message(for T3xG only);
account.4.picture_info_enable = 1

#Audio codecs for account4 (Y rangs from 1 to 7)for VP phone only;
#account.4.codec.Y.enable =
#account.4.codec.Y.payload_type =
#account.4.codec.Y.priority =
#account.4.codec.Y.rtpmap =

account.4.codec.1.enable = 1
account.4.codec.1.payload_type = PCMA
account.4.codec.1.priority = 2
account.4.codec.1.rtpmap = 8
account.4.codec.2.enable = 1
account.4.codec.2.payload_type = PCMU
account.4.codec.2.priority = 1
account.4.codec.2.rtpmap = 0
```

account.4.codec.3.enable = 1
account.4.codec.3.payload_type = G729
account.4.codec.3.priority = 3
account.4.codec.3.rtpmap = 18

account.4.codec.4.enable = 1
account.4.codec.4.payload_type = G722
account.4.codec.4.priority = 4
account.4.codec.4.rtpmap = 9

account.4.codec.5.enable = 0
account.4.codec.5.payload_type = G723
account.4.codec.5.priority = 5
account.4.codec.5.rtpmap = 4

account.4.codec.6.enable = 0
account.4.codec.6.payload_type = AACLC
account.4.codec.6.priority = 6
account.4.codec.6.rtpmap = 102

account.4.codec.7.enable = 0
account.4.codec.7.payload_type = iLBC
account.4.codec.7.priority = 7
account.4.codec.7.rtpmap = 122

#Video codecs for account4(X rangs from 1 to 3)； for VPphone only;
#account.4.video_codec.X.enable =
#account.4.video_codec.X.priority =
#account.4.video_codec.X.payload_type =
#account.4.video_codec.X.rtpmap =
#account.4.video_codec.X.para =

account.4.video_codec.1.enable = 1
account.4.video_codec.1.priority = 1
account.4.video_codec.1.payload_type = H264
account.4.video_codec.1.rtpmap = 99
account.4.video_codec.1.para = profile-level-id=42800D; packetization-mode=0;
max-mbps=11880

account.4.video_codec.2.enable = 1
account.4.video_codec.2.priority = 2
account.4.video_codec.2.payload_type = H263
account.4.video_codec.2.rtpmap = 34
account.4.video_codec.2.para = CIF=1; QCIF=1

account.4.video_codec.3.enable = 1
account.4.video_codec.3.priority = 3
account.4.video_codec.3.payload_type = mp4v-es
account.4.video_codec.3.rtpmap = 102
account.4.video_codec.3.para = CIF=1; QCIF=1; MaxBR=3840

#Audio codecs for account1 (Y ranges from 1 to 13) for SIP-T2xP/SIP-T3xP;
#account.4.codec.Y.enable =
#account.4.codec.Y.payload_type =
#account.3.codec.Y.priority =
#account.4.codec.Y.rtpmap =

account.4.codec.1.enable = 1
account.4.codec.1.payload_type = PCMU
account.4.codec.1.priority = 1
account.4.codec.1.rtpmap = 0

account.4.codec.2.enable = 1
account.4.codec.2.payload_type = PCMA
account.4.codec.2.priority = 2
account.4.codec.2.rtpmap = 8

account.4.codec.3.enable = 0
account.4.codec.3.payload_type = G723_53
account.4.codec.3.priority =4
account.4.codec.3.rtpmap = 4

account.4.codec.4.enable = 0
account.4.codec.4.payload_type = G723_63
account.4.codec.4.priority = 0
account.4.codec.4.rtpmap = 4

account.4.codec.5.enable = 1
account.4.codec.5.payload_type = G729
account.4.codec.5.priority = 3
account.4.codec.5.rtpmap = 18

account.4.codec.6.enable = 1
account.4.codec.6.payload_type = G722
account.4.codec.6.priority = 4
account.4.codec.6.rtpmap = 9

account.4.codec.7.enable =
account.4.codec.7.payload_type =

```
account.4.codec.7.priority =
account.4.codec.7.rtpmap =

account.4.codec.8.enable = 0
account.4.codec.8.payload_type = G726-16
account.4.codec.8.priority = 0
account.4.codec.8.rtpmap = 112

account.4.codec.9.enable = 0
account.4.codec.9.payload_type = G726-24
account.4.codec.9.priority = 0
account.4.codec.9.rtpmap = 102

account.4.codec.10.enable = 0
account.4.codec.10.payload_type = G726-32
account.4.codec.10.priority = 0
account.4.codec.10.rtpmap = 2

account.4.codec.11.enable = 0
account.4.codec.11.payload_type = G726-40
account.4.codec.11.priority = 0
account.4.codec.11.rtpmap = 104

account.4.codec.12.enable = 0
account.4.codec.12.payload_type = iLBC_13_3
account.4.codec.12.priority = 0
account.4.codec.12.rtpmap = 97

account.4.codec.13.enable = 0
account.4.codec.13.payload_type = iLBC_15_2
account.4.codec.13.priority = 0
account.4.codec.13.rtpmap = 97

##############################################################
##                    Call Forward Settings                 ##
##############################################################

# 1-Enable, 0-Disable(default) whether to Always Forward
forward.always.enable = %BWCFA-BINARY-4%

# target:phonenumber that the phone will Always Forward to
forward.always.target =

#On or off Code for Always Forward. String
```

```
forward.always.on_code = %BWFAC-CFA-ACTIVATE-4%
forward.always.off_code = %BWFAC-CFA-DEACTIVATE-4%

# Busy Forward enable:the default is 0(disabled)
forward.busy.enable = 0
forward.busy.target =
forward.busy.on_code = %BWFAC-CFB-ACTIVATE-4%
forward.busy.off_code = %BWFAC-CFB-DEACTIVATE-4%

# No answer. timeout:5s,10,15,20 (second)the time after which the call will be forwarded
when using No Answer Forward
forward.no_answer.enable = 0
forward.no_answer.target =
forward.no_answer.timeout = 10
forward.no_answer.on_code = %BWFAC-CFNA-ACTIVATE-4%
forward.no_answer.off_code = %BWFAC-CFNA-DEACTIVATE-4%

##############################################################
##                          DND Settings                    ##
##############################################################

features.dnd.on_code =%BWFAC-DND-ACTIVATE-4%
features.dnd.off_code =%BWFAC-DND-DEACTIVATE-4%

##############################################################
##          Account5 Settings  (For SIP-T28P,SIP-T38G only ) ##
##############################################################
#Enable or disable the account5, 0-Disabled(default), 1-Enabled;
account.5.enable = %BWLINE-BINARY-5%

#Configure the account5 label which will display on the LCD screen.
account.5.label =%BWEXTENSION-5%

#Configure the display name of account5
account.5.display_name =%BWCLID-5%

#Configure the user and password for register authentication
account.5.auth_name =%BWAUTHUSER-5%
account.5.password =%BWAUTHPASSWORD-5%

#Configure the register user name
account.5.user_name = %BWLINEPORT-5%

#Configure the SIP server address and port(5060 by default)
```

```
account.5.sip_server_host = %BWHOST-5%
account.5.sip_server_port = 5060

#Enable/Disable the outbound proxy server, fill the IP address/domain of the outbound
proxy server and the server port(5060 by default)
account.5.outbound_proxy_enable = %USE_SBC_BOOLEAN%
account.5.outbound_host = %SBC_ADDRESS%
account.5.outbound_port = %SBC_PORT%

#For VPphone only;
account.5.sip_server_host_readonly = 0

#Configure the transport type;        0-UDP(Default), 1-TCP, 2-TLS, 3-DNS SRV
account.5.transport = 0

#Configure the backup outbound proxy server address and port(5060 by default)
account.5.backup_outbound_host =
account.5.backup_outbound_port = 5060

#Configure the voice mail number of account5.
voice_mail.number.5 = %BWVOICE-PORTAL-NUMBER-5%

#Active/Deactive proxy require
account.5.proxy_require =

#Enable/Disable the anonymous call feature for account5;        0-Disabled(Default),
1-Enabled
account.5.anonymous_call = 0

#Configure the oncode/offcode for turning on/off anonymous call feature
account.5.anonymous_call_oncode =
account.5.anonymous_call_offcode =

#Enable/Disable the reject anonymous call feature for account5;        0-Disabled(Default),
1-Enabled
account.5.reject_anonymous_call = 0

#Configure the oncode/offcode for turning on/off reject anonymous call feature
account.5.anonymous_reject_oncode =
account.5.anonymous_reject_offcode =

Configure the SIP port for local account5
account.5.sip_listen_port = 5060
```

#Configure the register expire time
account.5.expires = 3600

#Enable/Disable 100 reliable retransmission; 0-Disabled(Default), 1-Enabled
account.5.100rel_enable = 0

#Enable/Disable the resource reservation; 0-Disabled(Default), 1-Enabled
account.5.precondition = 0

#Enble/Disable subscribe the register status; 0-Disabled(Default), 1-Enabled
account.5.subscribe_register = 0

#Enable/Disable subscribe the Message Waiting Indicator; 0-Disabled(Default), 1-Enabled
account.5.subscribe_mwi = 0

#Configure MWI subscribe expires 3600 seconds by default
account.5.subscribe_mwi_expires = 3600

#Select SIP header(s) carrying the caller ID; 0-FROM(Default), 1-PAI, 2-PAI-FROM, 3-PRID-PAI-FROM, 4-PAI-RPID-FROM, 5-RPID-FROM account.4.cid_source = 0
account.5.cid_source = 0

#Select SIP header(s) carrying the called party ID for VPphone only; 0-FROM(Default), 1-PAI, 2-PAI-FROM, 3-PRID-PAI-FROM, 4-PAI-RPID-FROM, 5-RPID-FROM account.4.cid_source = 0
account.5.cp_source = 0

#Enable/Disable session timer; 0-Disabled(Default), 1-Enabled
account.5.session_timer.enable = 0

#Configure session timer expire
account.5.session_timer.expires = 3600

#Configure the session timer refresher; 0-Uac(Default), 1-Uas
account.5.session_timer.refresher = 0

#Enable/Disable "user=phone"; 0-Disabled(Default), 1-Enabled
account.5.enable_user_equal_phone = 0

#Enable/Disable SRTP; 0-Disabled(Default), 1-Enabled
account.5.srtp_encryption = 0

#Configure the RTP packet time; 0-Disabled, 10, 20(Default), 30, 40, 50, 60

account.5.ptime = 20

#Assign account5 as shared line; 0-Disabled/Private(Default), 1-Broadsoft_shared_line, 2-Draft_bridge_line_appearance
account.5.shared_line = %BWSHAREDLINE-BINARY-5%

#Configure BLA number and the subscribe period when account5 is a BLA line
account.5.bla_number =
account.5.bla_subscribe_period = 300

#Enable/Disable call pickup using dialog-info sip header; 0-Disabled(Default), 1-Enabled
account.5.dialoginfo_callpickup = 0

#Enable/Disable auto answer when receiving a incoming call for accout1; 0-Disabled(Default), 1-Enabled
account.5.auto_answer = 0

#Enable/Disable record the Missed calllog; 0-Disabled, 1-Enabled(Default)
account.5.missed_calllog = 1

#Enable/Disable subscribe the voicemail number for MWI; 0-Disabled(Default), 1-Enabled
account.5.subscribe_mwi_to_vm = 0

#Enable/Disable sending mac address and line number in the Register message; 0-Disabled(Default), 1-Enabled
account.5.register_mac = 0
account.5.register_line = 0

#Configure interval time for retrying register when account5 register failed 30 seconds by default
account.5.reg_fail_retry_interval = 30

#Enable/Disable network conference; 0-Local(Default), 1-ATS, 2-Network Conference
account.5.conf_type = 0

#Configure the factory conference uri(a SIP URI, or user part of the SIP URI), for example, "conference@domain.com" or "conference"
account.5.conf_uri =%BWNETWORK-CONFERENCE-SIPURI-5%

#Connfigure the BLF List URI (a SIP URI, or user part of the SIP URI), for example, "2300_blflist@domain.com" or "2300_blflist"
account.5.blf.blf_list_uri = %BWBLF-URI-4%

Configure the blf subscribe period 1800 seconds by default
account.5.blf.subscribe_period = 1800

#Configure the ACD subscribe period 3600 seconds by default for SIP-T2xP/SIP-T3xG only;
account.5.subscribe_acd_expires= 3600

#Configure the code for pickup when the monitored user receives an incoming call
account.5.blf_list_code =

#Configure the code for bargein when the monitored user is in conversation
account.5.blf_list_barge_in_code =

#Assign the sip platform; 0-Local SIP Server(Default), 1-Cosmocom, 2-Broadsoft
account.5.sip_server_type = 0

#Enable/Disable the SIP signal encode, 0-Disabled (defaault), 1-Enabled (RC 4);
account.5.enable_signal_encode = 0

#Configure the key for encoding;
account.5.signal_encode_key =

#Configure the early media for SIP-T2xP only;
account.5.earlymedia = 0

#Configure the music on hold server for SIP-T2xP/VPphone only;
account.5.music_server_uri =

#Configure the DTMF type; 0-INBAND, 1-RFC2833(Default), 2-SIP INFO
account.5.dtmf.type = 1

#Configure the RFC2833 payload, ranges from 96 to 225 (101 by default);
account.5.dtmf.dtmf_payload = 101

#Configure DTMF info type when using SIP INFO, 0-Disabled(default), 1-DTMF-Relay,
2-DTMF, 3-Telephone-Event;
account.5.dtmf.info_type = 0

##
NAT Settings
##
#Enable/Disable NAT traversal; 0-Disabled(Default), 1-STUN
account.5.nat.nat_traversal = 0

#Configure the STUN server address and port

account.5.nat.stun_server =
account.5.nat.stun_port = 3478

#Configure the NAT keep-alive and the keep-alive interval
account.5.nat.udp_update_enable = 1
account.5.nat.udp_update_time = 30

#Enable/Disable Rport; 0-Disabled(Default), 1-Enabled
account.5.nat.rport = 0

#Define session timer T1 T2 and T4;
account.5.advanced.timer_t1 = 0.5
account.5.advanced.timer_t2 = 4
account.5.advanced.timer_t4 = 5

#Configure the audio and video attributes for VP phone only;
account.5.advanced.audio_bandwidth = 0
account.5.advanced.video_frame_rate = 30
account.5.advanced.video_i_frame_refresh_time = 30
account.5.advanced.video_bandwidth = 0
account.5.advanced.total_bandwidth = 0

#Assign a ringtone for account5; System ring tones are:
common(default),Ring1.wav,Ring2.wav,……Ring8.wav;
#If you set the custom ring tone(Family.wav) as phone ring tone,the value format is:
Custom:Family.wav
#If you set the system ring tone(Ring2.wav) as phone ring tone,the value format is:
Resource:Ring2.wav
account.5.ringtone.ring_type =

#Enable or disable the phone to display the picture when receiving the specific SIP
message(for T3xG only);
account.5.picture_info_enable = 1

#Audio codecs for account5 (Y rangs from 1 to 7)for VP phone only;
#account.5.codec.Y.enable =
#account.5.codec.Y.payload_type =
#account.5.codec.Y.priority =
#account.5.codec.Y.rtpmap =

account.5.codec.1.enable = 1
account.5.codec.1.payload_type = PCMA
account.5.codec.1.priority = 2
account.5.codec.1.rtpmap = 8

account.5.codec.2.enable = 1
account.5.codec.2.payload_type = PCMU
account.5.codec.2.priority = 1
account.5.codec.2.rtpmap = 0

account.5.codec.3.enable = 1
account.5.codec.3.payload_type = G729
account.5.codec.3.priority = 3
account.5.codec.3.rtpmap = 18

account.5.codec.4.enable = 1
account.5.codec.4.payload_type = G722
account.5.codec.4.priority = 4
account.5.codec.4.rtpmap = 9

account.5.codec.5.enable = 0
account.5.codec.5.payload_type = G723
account.5.codec.5.priority = 5
account.5.codec.5.rtpmap = 4

account.5.codec.6.enable = 0
account.5.codec.6.payload_type = AACLC
account.5.codec.6.priority = 6
account.5.codec.6.rtpmap = 102

account.5.codec.7.enable = 0
account.5.codec.7.payload_type = iLBC
account.5.codec.7.priority = 7
account.5.codec.7.rtpmap = 122

#Video codecs for account4(X rangs from 1 to 3)； for VPphone only;
#account.5.video_codec.X.enable =
#account.5.video_codec.X.priority =
#account.5.video_codec.X.payload_type =
#account.5.video_codec.X.rtpmap =
#account.5.video_codec.X.para =

account.5.video_codec.1.enable = 1
account.5.video_codec.1.priority = 1
account.5.video_codec.1.payload_type = H264
account.5.video_codec.1.rtpmap = 99
account.5.video_codec.1.para = profile-level-id=42800D; packetization-mode=0;
max-mbps=11880

account.5.video_codec.2.enable = 1
account.5.video_codec.2.priority = 2
account.5.video_codec.2.payload_type = H263
account.5.video_codec.2.rtpmap = 34
account.5.video_codec.2.para = CIF=1; QCIF=1

account.5.video_codec.3.enable = 1
account.5.video_codec.3.priority = 3
account.5.video_codec.3.payload_type = mp4v-es
account.5.video_codec.3.rtpmap = 102
account.5.video_codec.3.para = CIF=1; QCIF=1; MaxBR=3840

#Audio codecs for account1 (Y ranges from 1 to 13) for SIP-T2xP/SIP-T3xP;
#account.5.codec.Y.enable =
#account.5.codec.Y.payload_type =
#account.5.codec.Y.priority =
#account.5.codec.Y.rtpmap =

account.5.codec.1.enable = 1
account.5.codec.1.payload_type = PCMU
account.5.codec.1.priority = 1
account.5.codec.1.rtpmap = 0

account.5.codec.2.enable = 1
account.5.codec.2.payload_type = PCMA
account.5.codec.2.priority = 2
account.5.codec.2.rtpmap = 8

account.5.codec.3.enable = 0
account.5.codec.3.payload_type = G723_53
account.5.codec.3.priority =4
account.5.codec.3.rtpmap = 4

account.5.codec.4.enable = 0
account.5.codec.4.payload_type = G723_63
account.5.codec.4.priority = 0
account.5.codec.4.rtpmap = 4

account.5.codec.5.enable = 1
account.5.codec.5.payload_type = G729
account.5.codec.5.priority = 3
account.5.codec.5.rtpmap = 18

account.5.codec.6.enable = 1

```
account.5.codec.6.payload_type = G722
account.5.codec.6.priority = 4
account.5.codec.6.rtpmap = 9

account.5.codec.7.enable =
account.5.codec.7.payload_type =
account.5.codec.7.priority =
account.5.codec.7.rtpmap =

account.5.codec.8.enable = 0
account.5.codec.8.payload_type = G726-16
account.5.codec.8.priority = 0
account.5.codec.8.rtpmap = 112

account.5.codec.9.enable = 0
account.5.codec.9.payload_type = G726-24
account.5.codec.9.priority = 0
account.5.codec.9.rtpmap = 102

account.5.codec.10.enable = 0
account.5.codec.10.payload_type = G726-32
account.5.codec.10.priority = 0
account.5.codec.10.rtpmap = 2

account.5.codec.11.enable = 0
account.5.codec.11.payload_type = G726-40
account.5.codec.11.priority = 0
account.5.codec.11.rtpmap = 104

account.5.codec.12.enable = 0
account.5.codec.12.payload_type = iLBC_13_3
account.5.codec.12.priority = 0
account.5.codec.12.rtpmap = 97

account.5.codec.13.enable = 0
account.5.codec.13.payload_type = iLBC_15_2
account.5.codec.13.priority = 0
account.5.codec.13.rtpmap = 97

##############################################################
##                    Call Forward Settings                 ##
##############################################################
# 1-Enable, 0-Disable(default) whether to Always Forward
forward.always.enable = %BWCFA-BINARY-5%
```

```
# target:phonenumber that the phone will Always Forward to
forward.always.target =

#On or off Code for Always Forward. String
forward.always.on_code = %BWFAC-CFA-ACTIVATE-5%
forward.always.off_code = %BWFAC-CFA-DEACTIVATE-5%

# Busy Forward enable:the default is 0(disabled)
forward.busy.enable = 0
forward.busy.target =
forward.busy.on_code = %BWFAC-CFB-ACTIVATE-5%
forward.busy.off_code = %BWFAC-CFB-DEACTIVATE-5%

# No answer. timeout:5s,10,15,20 (second)the time after which the call will be forwarded
when using No Answer Forward
forward.no_answer.enable = 0
forward.no_answer.target =
forward.no_answer.timeout = 10
forward.no_answer.on_code = %BWFAC-CFNA-ACTIVATE-5%
forward.no_answer.off_code = %BWFAC-CFNA-DEACTIVATE-5%

##############################################################
##                          DND Settings                    ##
##############################################################

features.dnd.on_code =%BWFAC-DND-ACTIVATE-5%
features.dnd.off_code =%BWFAC-DND-DEACTIVATE-5%


##############################################################
##          Account6 Settings  (For SIP-T28P,SIP-T38G only ) ##
##############################################################
#Enable or disable the account6, 0-Disabled(default), 1-Enabled;
account.6.enable = %BWLINE-BINARY-6%
#Configure the account6 label which will display on the LCD screen.
account.6.label =%BWEXTENSION-6%

#Configure the display name of account6
account.6.display_name =%BWCLID-6%

#Configure the user and password for register authentication
account.6.auth_name =%BWAUTHUSER-6%
account.6.password =%BWAUTHPASSWORD-6%
```

```
#Configure the register user name
account.6.user_name = %BWLINEPORT-6%

#Configure the SIP server address and port(5060 by default)
account.6.sip_server_host = %BWHOST-6%
account.6.sip_server_port = 5060

#Enable/Disable the outbound proxy server, fill the IP address/domain of the outbound
proxy server and the server port(5060 by default)
account.6.outbound_proxy_enable = %USE_SBC_BOOLEAN%
account.6.outbound_host = %SBC_ADDRESS%
account.6.outbound_port = %SBC_PORT%

#For VPphone only;
account.6.sip_server_host_readonly = 0

#Configure the transport type;        0-UDP(Default), 1-TCP, 2-TLS, 3-DNS SRV
account.6.transport = 0

#Configure the backup outbound proxy server address and port(5060 by default)
account.6.backup_outbound_host =
account.6.backup_outbound_port = 5060

#Configure the voice mail number of account6.
voice_mail.number.6 = %BWVOICE-PORTAL-NUMBER-6%

#Active/Deactive proxy require
account.6.proxy_require =

#Enable/Disable the anonymous call feature for account6;        0-Disabled(Default),
1-Enabled
account.6.anonymous_call = 0

#Configure the oncode/offcode for turning on/off anonymous call feature
account.6.anonymous_call_oncode =
account.6.anonymous_call_offcode =

#Enable/Disable the reject anonymous call feature for account6;        0-Disabled(Default),
1-Enabled
account.6.reject_anonymous_call = 0

#Configure the oncode/offcode for turning on/off reject anonymous call feature
account.6.anonymous_reject_oncode =
account.6.anonymous_reject_offcode =
```

Configure the SIP port for local account6
account.6.sip_listen_port = 5060

#Configure the register expire time
account.6.expires = 3600

#Enable/Disable 100 reliable retransmission; 0-Disabled(Default), 1-Enabled
account.6.100rel_enable = 0

#Enable/Disable the resource reservation; 0-Disabled(Default), 1-Enabled
account.6.precondition = 0

#Enble/Disable subscribe the register status; 0-Disabled(Default), 1-Enabled
account.6.subscribe_register = 0

#Enable/Disable subscribe the Message Waiting Indicator; 0-Disabled(Default), 1-Enabled
account.6.subscribe_mwi = 0

#Configure MWI subscribe expires 3600 seconds by default
account.6.subscribe_mwi_expires = 3600

#Select SIP header(s) carrying the caller ID; 0-FROM(Default), 1-PAI, 2-PAI-FROM, 3-PRID-PAI-FROM, 4-PAI-RPID-FROM, 5-RPID-FROM account.4.cid_source = 0
account.6.cid_source = 0

#Select SIP header(s) carrying the called party ID for VPphone only; 0-FROM(Default), 1-PAI, 2-PAI-FROM, 3-PRID-PAI-FROM, 4-PAI-RPID-FROM, 5-RPID-FROM account.4.cid_source = 0
account.6.cp_source = 0

#Enable/Disable session timer; 0-Disabled(Default), 1-Enabled
account.6.session_timer.enable = 0
#Configure session timer expire
account.6.session_timer.expires = 3600

#Configure the session timer refresher; 0-Uac(Default), 1-Uas
account.6.session_timer.refresher = 0

#Enable/Disable "user=phone"; 0-Disabled(Default), 1-Enabled
account.6.enable_user_equal_phone = 0

#Enable/Disable SRTP; 0-Disabled(Default), 1-Enabled
account.6.srtp_encryption = 0

#Configure the RTP packet time; 0-Disabled, 10, 20(Default), 30, 40, 50, 60
account.6.ptime = 20

#Assign account6 as shared line; 0-Disabled/Private(Default), 1-Broadsoft_shared_line, 2-Draft_bridge_line_appearance
account.6.shared_line = %BWSHAREDLINE-BINARY-5%

#Configure BLA number and the subscribe period when account6 is a BLA line
account.6.bla_number =
account.6.bla_subscribe_period = 300

#Enable/Disable call pickup using dialog-info sip header; 0-Disabled(Default), 1-Enabled
account.6.dialoginfo_callpickup = 0

#Enable/Disable auto answer when receiving a incoming call for accout1; 0-Disabled(Default), 1-Enabled
account.6.auto_answer = 0

#Enable/Disable record the Missed calllog; 0-Disabled, 1-Enabled(Default)
account.6.missed_calllog = 1

#Enable/Disable subscribe the voicemail number for MWI; 0-Disabled(Default), 1-Enabled
account.6.subscribe_mwi_to_vm = 0

#Enable/Disable sending mac address and line number in the Register message; 0-Disabled(Default), 1-Enabled
account.6.register_mac = 0
account.6.register_line = 0

#Configure interval time for retrying register when account6 register failed 30 seconds by default
account.6.reg_fail_retry_interval = 30

#Enable/Disable network conference; 0-Local(Default), 1-ATS, 2-Network Conference
account.6.conf_type = 0

#Configure the factory conference uri(a SIP URI, or user part of the SIP URI), for example, "conference@domain.com" or "conference"
account.6.conf_uri =%BWNETWORK-CONFERENCE-SIPURI-5%

#Connfigure the BLF List URI (a SIP URI, or user part of the SIP URI), for example, "2300_blflist@domain.com" or "2300_blflist"

account.6.blf.blf_list_uri = %BWBLF-URI-4%

#Configure the blf subscribe period 1800 seconds by default
account.6.blf.subscribe_period = 1800

#Configure the ACD subscribe period 3600 seconds by default for SIP-T2xP/SIP-T3xG only;
account.6.subscribe_acd_expires= 3600

#Configure the code for pickup when the monitored user receives an incoming call
account.6.blf_list_code =

#Configure the code for bargein when the monitored user is in conversation
account.6.blf_list_barge_in_code =

#Assign the sip platform; 0-Local SIP Server(Default), 1-Cosmocom, 2-Broadsoft
account.6.sip_server_type = 0

#Enable/Disable the SIP signal encode, 0-Disabled (defaault), 1-Enabled (RC 4);
account.6.enable_signal_encode = 0

#Configure the key for encoding;
account.6.signal_encode_key =

#Configure the early media for SIP-T2xP only;
account.6.earlymedia = 0

#Configure the music on hold server for SIP-T2xP/VPphone only;
account.6.music_server_uri =

#Configure the DTMF type; 0-INBAND, 1-RFC2833(Default), 2-SIP INFO
account.6.dtmf.type = 1

#Configure the RFC2833 payload, ranges from 96 to 225 (101 by default);
account.6.dtmf.dtmf_payload = 101

#Configure DTMF info type when using SIP INFO, 0-Disabled(default), 1-DTMF-Relay,
2-DTMF, 3-Telephone-Event;
account.6.dtmf.info_type = 0

##
NAT Settings
##
#Enable/Disable NAT traversal; 0-Disabled(Default), 1-STUN
account.6.nat.nat_traversal = 0

#Configure the STUN server address and port
account.6.nat.stun_server =
account.6.nat.stun_port = 3478

#Configure the NAT keep-alive and the keep-alive interval
account.6.nat.udp_update_enable = 1
account.6.nat.udp_update_time = 30

#Enable/Disable Rport; 0-Disabled(Default), 1-Enabled
account.6.nat.rport = 0

#Define session timer T1 T2 and T4;
account.6.advanced.timer_t1 = 0.5
account.6.advanced.timer_t2 = 4
account.6.advanced.timer_t4 = 5

#Configure the audio and video attributes for VP phone only;
account.6.advanced.audio_bandwidth = 0
account.6.advanced.video_frame_rate = 30
account.6.advanced.video_i_frame_refresh_time = 30
account.6.advanced.video_bandwidth = 0
account.6.advanced.total_bandwidth = 0

#Assign a ringtone for account5; System ring tones are:
common(default),Ring1.wav,Ring2.wav,……Ring8.wav;
#If you set the custom ring tone(Family.wav) as phone ring tone,the value format is:
Custom:Family.wav
#If you set the system ring tone(Ring2.wav) as phone ring tone,the value format is:
Resource:Ring2.wav
account.6.ringtone.ring_type =

#Enable or disable the phone to display the picture when receiving the specific SIP
message(for T3xG only);
account.6.picture_info_enable = 1

#Audio codecs for account6 (Y rangs from 1 to 7)for VP phone only;
#account.6.codec.Y.enable =
#account.6.codec.Y.payload_type =
#account.6.codec.Y.priority =
#account.6.codec.Y.rtpmap =

account.6.codec.1.enable = 1
account.6.codec.1.payload_type = PCMA
account.6.codec.1.priority = 2

account.6.codec.1.rtpmap = 8

account.6.codec.2.enable = 1
account.6.codec.2.payload_type = PCMU
account.6.codec.2.priority = 1
account.6.codec.2.rtpmap = 0

account.6.codec.3.enable = 1
account.6.codec.3.payload_type = G729
account.6.codec.3.priority = 3
account.6.codec.3.rtpmap = 18

account.6.codec.4.enable = 1
account.6.codec.4.payload_type = G722
account.6.codec.4.priority = 4
account.6.codec.4.rtpmap = 9

account.6.codec.5.enable = 0
account.6.codec.5.payload_type = G723
account.6.codec.5.priority = 5
account.6.codec.5.rtpmap = 4

account.6.codec.6.enable = 0
account.6.codec.6.payload_type = AACLC
account.6.codec.6.priority = 6
account.6.codec.6.rtpmap = 102

account.6.codec.7.enable = 0
account.6.codec.7.payload_type = iLBC
account.6.codec.7.priority = 7
account.6.codec.7.rtpmap = 122
#Video codecs for account4(X rangs from 1 to 3)： for VPphone only;
#account.6.video_codec.X.enable =
#account.6.video_codec.X.priority =
#account.6.video_codec.X.payload_type =
#account.6.video_codec.X.rtpmap =
#account.6.video_codec.X.para =

account.6.video_codec.1.enable = 1
account.6.video_codec.1.priority = 1
account.6.video_codec.1.payload_type = H264
account.6.video_codec.1.rtpmap = 99
account.6.video_codec.1.para = profile-level-id=42800D; packetization-mode=0;
max-mbps=11880

account.6.video_codec.2.enable = 1
account.6.video_codec.2.priority = 2
account.6.video_codec.2.payload_type = H263
account.6.video_codec.2.rtpmap = 34
account.6.video_codec.2.para = CIF=1; QCIF=1

account.6.video_codec.3.enable = 1
account.6.video_codec.3.priority = 3
account.6.video_codec.3.payload_type = mp4v-es
account.6.video_codec.3.rtpmap = 102
account.6.video_codec.3.para = CIF=1; QCIF=1; MaxBR=3840

#Audio codecs for account1 (Y ranges from 1 to 13) for SIP-T2xP/SIP-T3xP;
#account.6.codec.Y.enable =
#account.6.codec.Y.payload_type =
#account.6.codec.Y.priority =
#account.6.codec.Y.rtpmap =

account.6.codec.1.enable = 1
account.6.codec.1.payload_type = PCMU
account.6.codec.1.priority = 1
account.6.codec.1.rtpmap = 0

account.6.codec.2.enable = 1
account.6.codec.2.payload_type = PCMA
account.6.codec.2.priority = 2
account.6.codec.2.rtpmap = 8

account.6.codec.3.enable = 0
account.6.codec.3.payload_type = G723_53
account.6.codec.3.priority =4
account.6.codec.3.rtpmap = 4

account.6.codec.4.enable = 0
account.6.codec.4.payload_type = G723_63
account.6.codec.4.priority = 0
account.6.codec.4.rtpmap = 4

account.6.codec.5.enable = 1
account.6.codec.5.payload_type = G729
account.6.codec.5.priority = 3
account.6.codec.5.rtpmap = 18

account.6.codec.6.enable = 1

account.6.codec.6.payload_type = G722
account.6.codec.6.priority = 4
account.6.codec.6.rtpmap = 9

account.6.codec.7.enable =
account.6.codec.7.payload_type =
account.6.codec.7.priority =
account.6.codec.7.rtpmap =

account.6.codec.8.enable = 0
account.6.codec.8.payload_type = G726-16
account.6.codec.8.priority = 0
account.6.codec.8.rtpmap = 112

account.6.codec.9.enable = 0
account.6.codec.9.payload_type = G726-24
account.6.codec.9.priority = 0
account.6.codec.9.rtpmap = 102

account.6.codec.10.enable = 0
account.6.codec.10.payload_type = G726-32
account.6.codec.10.priority = 0
account.6.codec.10.rtpmap = 2

account.6.codec.11.enable = 0
account.6.codec.11.payload_type = G726-40
account.6.codec.11.priority = 0
account.6.codec.11.rtpmap = 104

account.6.codec.12.enable = 0
account.6.codec.12.payload_type = iLBC_13_3
account.6.codec.12.priority = 0
account.6.codec.12.rtpmap = 97

account.6.codec.13.enable = 0
account.6.codec.13.payload_type = iLBC_15_2
account.6.codec.13.priority = 0
account.6.codec.13.rtpmap = 97

##
Call Forward Settings
##

1-Enable, 0-Disable(default) whether to Always Forward

```
forward.always.enable = %BWCFA-BINARY-6%

# target:phonenumber that the phone will Always Forward to
forward.always.target =

#On or off Code for Always Forward. String
forward.always.on_code = %BWFAC-CFA-ACTIVATE-6%
forward.always.off_code = %BWFAC-CFA-DEACTIVATE-6%

# Busy Forward enable:the default is 0(disabled)
forward.busy.enable = 0
forward.busy.target =
forward.busy.on_code = %BWFAC-CFB-ACTIVATE-6%
forward.busy.off_code = %BWFAC-CFB-DEACTIVATE-6%

# No answer. timeout:5s,10,15,20 (second)the time after which the call will be forwarded
when using No Answer Forward
forward.no_answer.enable = 0
forward.no_answer.target =
forward.no_answer.timeout = 10
forward.no_answer.on_code = %BWFAC-CFNA-ACTIVATE-6%
forward.no_answer.off_code = %BWFAC-CFNA-DEACTIVATE-6%

##############################################################
##                        DND Settings                      ##
##############################################################

features.dnd.on_code =%BWFAC-DND-ACTIVATE-6%
features.dnd.off_code =%BWFAC-DND-DEACTIVATE-6%
```

References

[1] BroadSoft, Inc. 2012. BroadWorks Device Management Configuration Guide, Release 18.0. Available at http://www.broadsoft.com/xchange.

[2] BroadSoft, Inc. 2012 BroadWorks Service Guide, Release 18.0. Available at http://www.broadsoft.com/xchange.

[3] Yealink, Inc. 2012. Yealink Phone Features Integrated with BroadWorks User Guide, Release 70. Available at http://www.yealink.com/index.php/Support/.

[4] Yealink, Inc. 2012. Yealink IP phones Family Administrator Guide, Release 70. Available at http://www.yealink.com/index.php/Support/.