Yealink

Yealink IP Phones Deployment Guide For BroadWorks Environments

Version 1.0

June 2012

Table of Contents

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

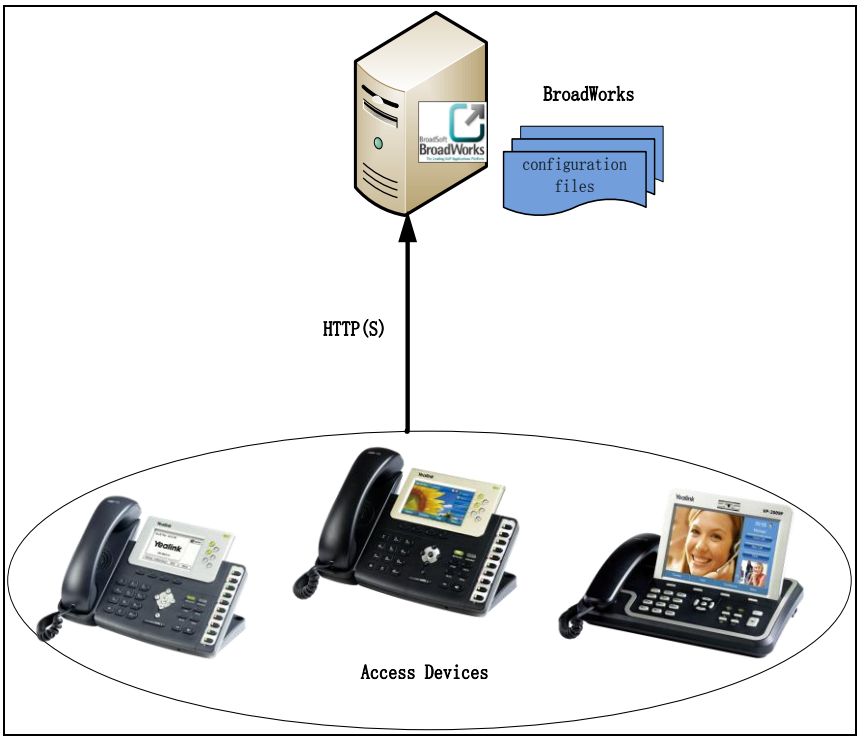
The features introduced in this guide apply to Yealink IP phones running software prior to V70.

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:

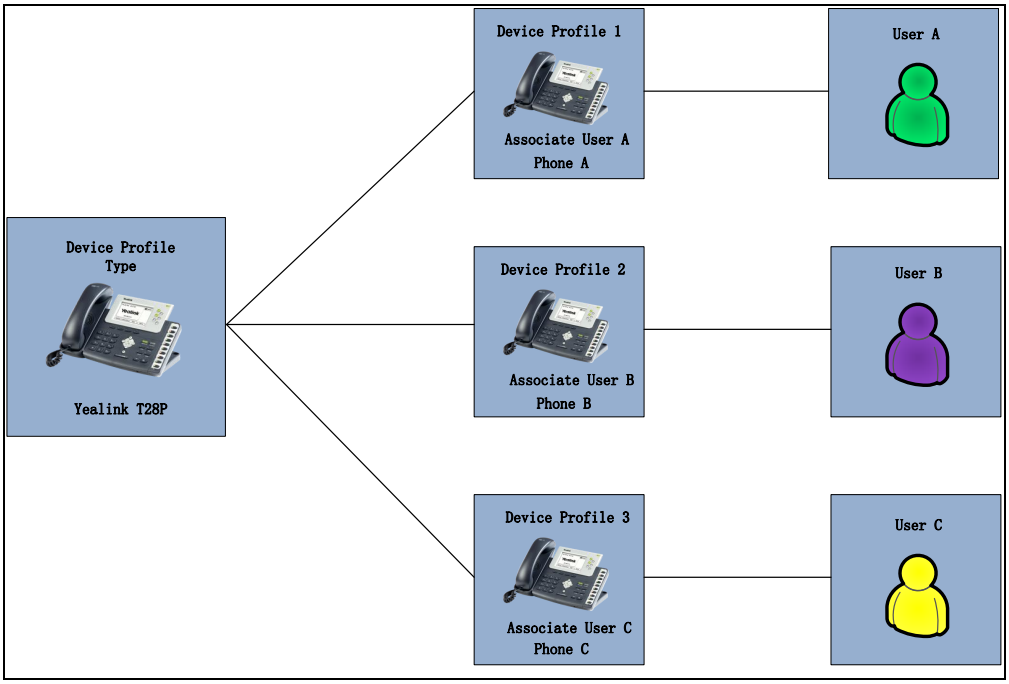
When a new device is added to the network, a new device profile should be created on BroadWorks to manage that device. The device profile should be created from a given device profile type. This gives the device profile a predefined set of settings that are consistent with other devices of the same type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

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

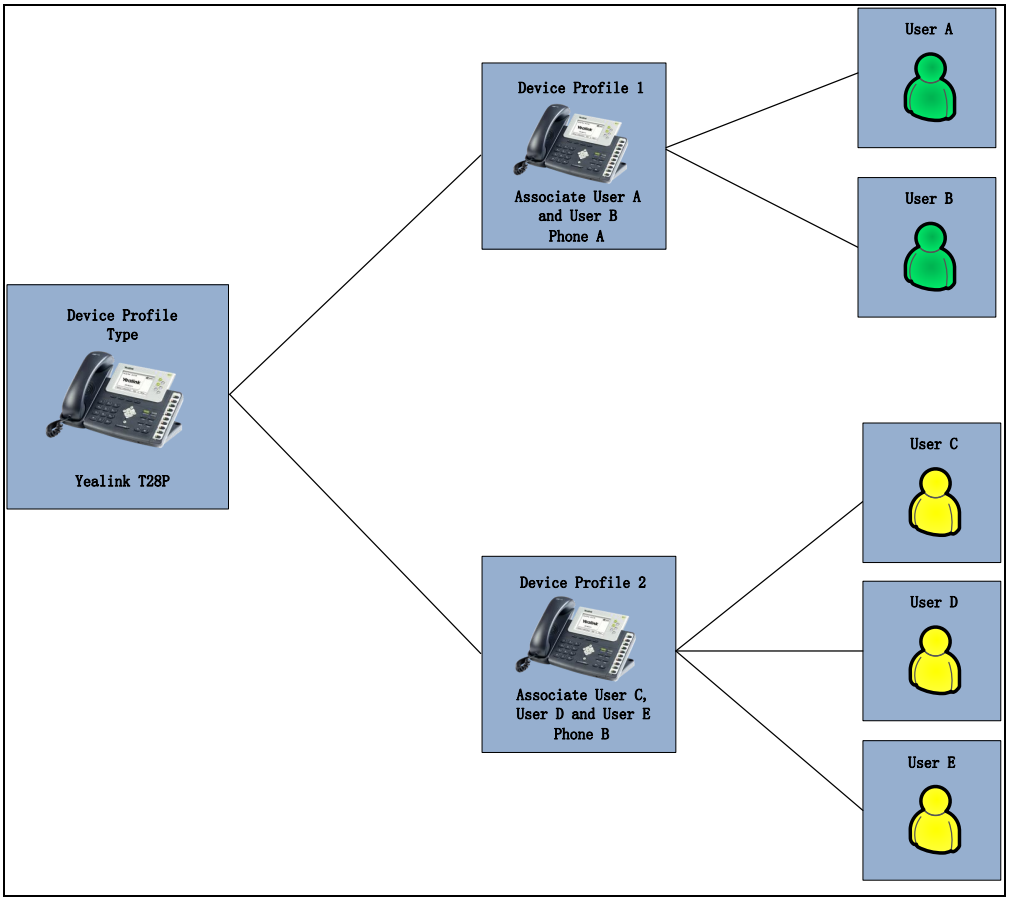
User:

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:



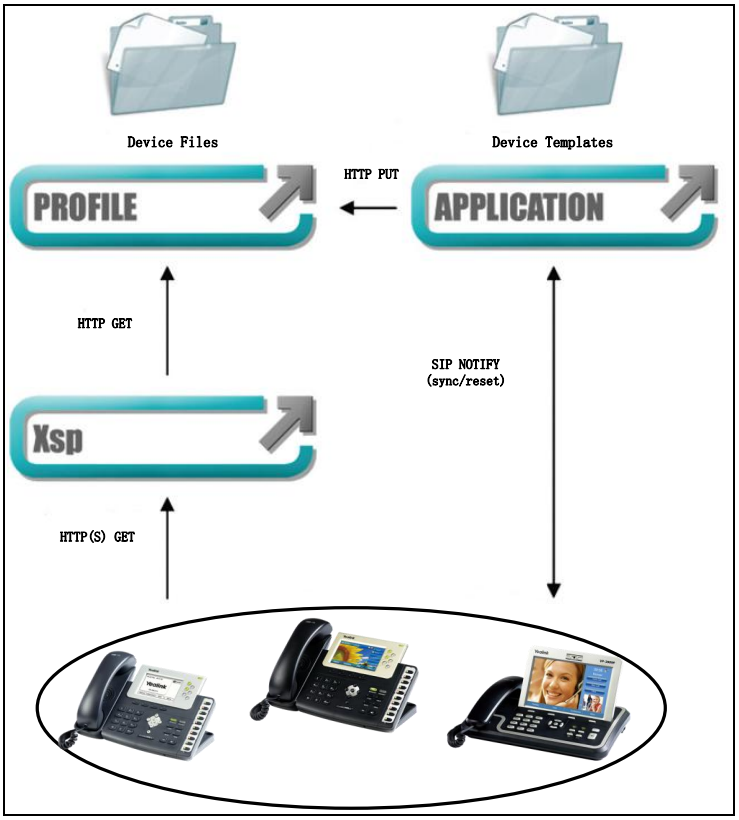
The following figure shows multiple users per phone device relationship:



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".

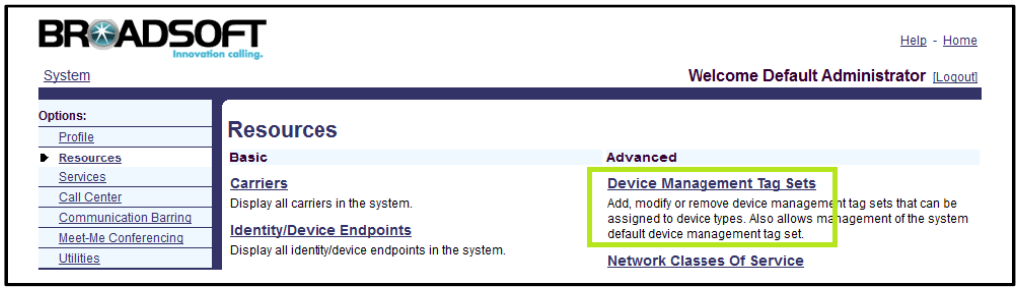
  For more information on dynamic built-in tags, refer to the BroadSoft Device Management Configuration Guide [1].

- 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.

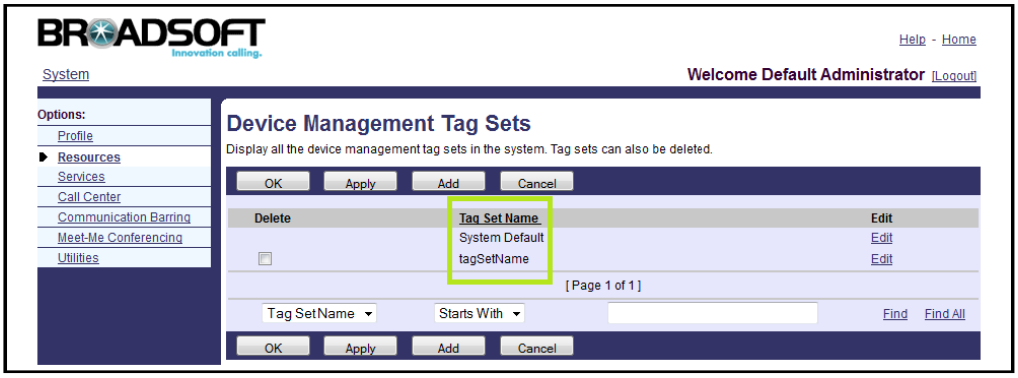
Creating System Default Tags

To create system default tags:

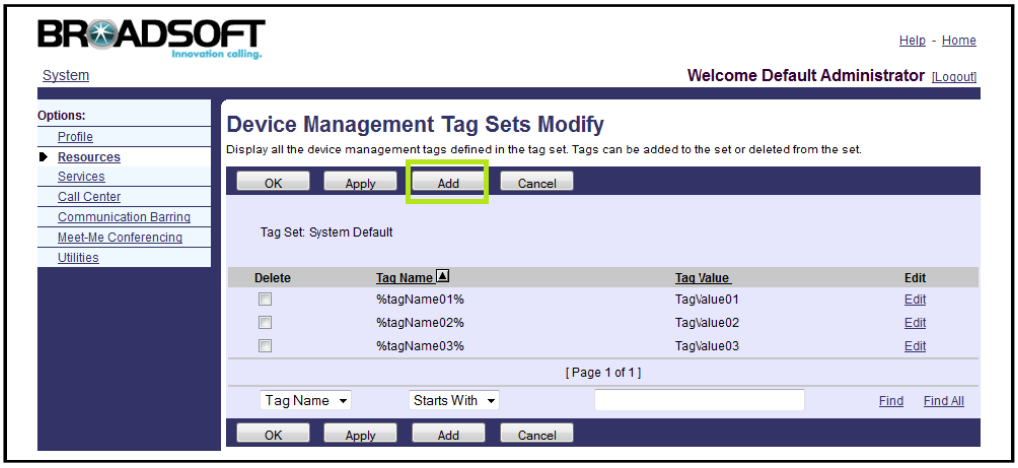
1. Click on **Resources->Device Management Tags Sets**.



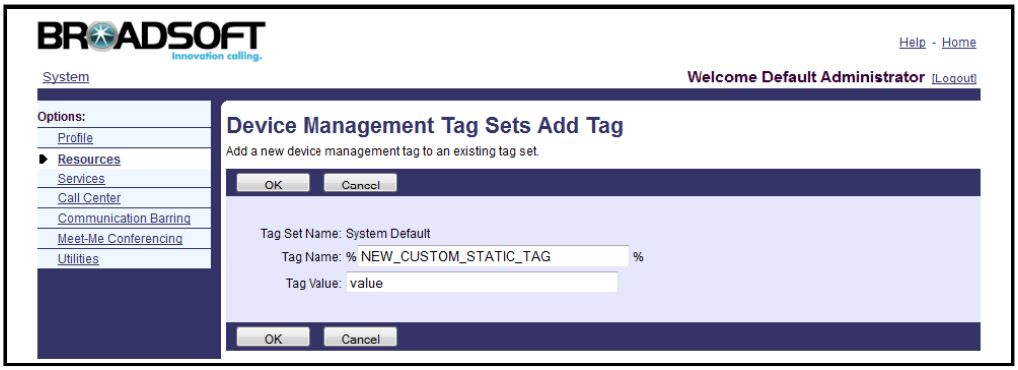
2. Select the **System Default** to edit.



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
%COUNTRY%	United States Australia Austria Brazil Belgium China Czech Denmark Finland France Germany Great Britain Greece Hungary Lithuania India Italy Japan Mexico New Zealand Netherlands Norway Portugal Spain Switzerland Sweden Russia Chile Czech ETSI	Identifies country for standard ringtones.

Tag Name	Valid Settings	Description
%LANGUAGE%	English Simplified Chinese Traditional Chinese German Italian Portuguese Polish Spanish Turkish	The language of the phone user interface and web user interface.
%FIRMWARE_VERSION%	<x.x.x.x>.rom Example: 2.61.0.80.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.

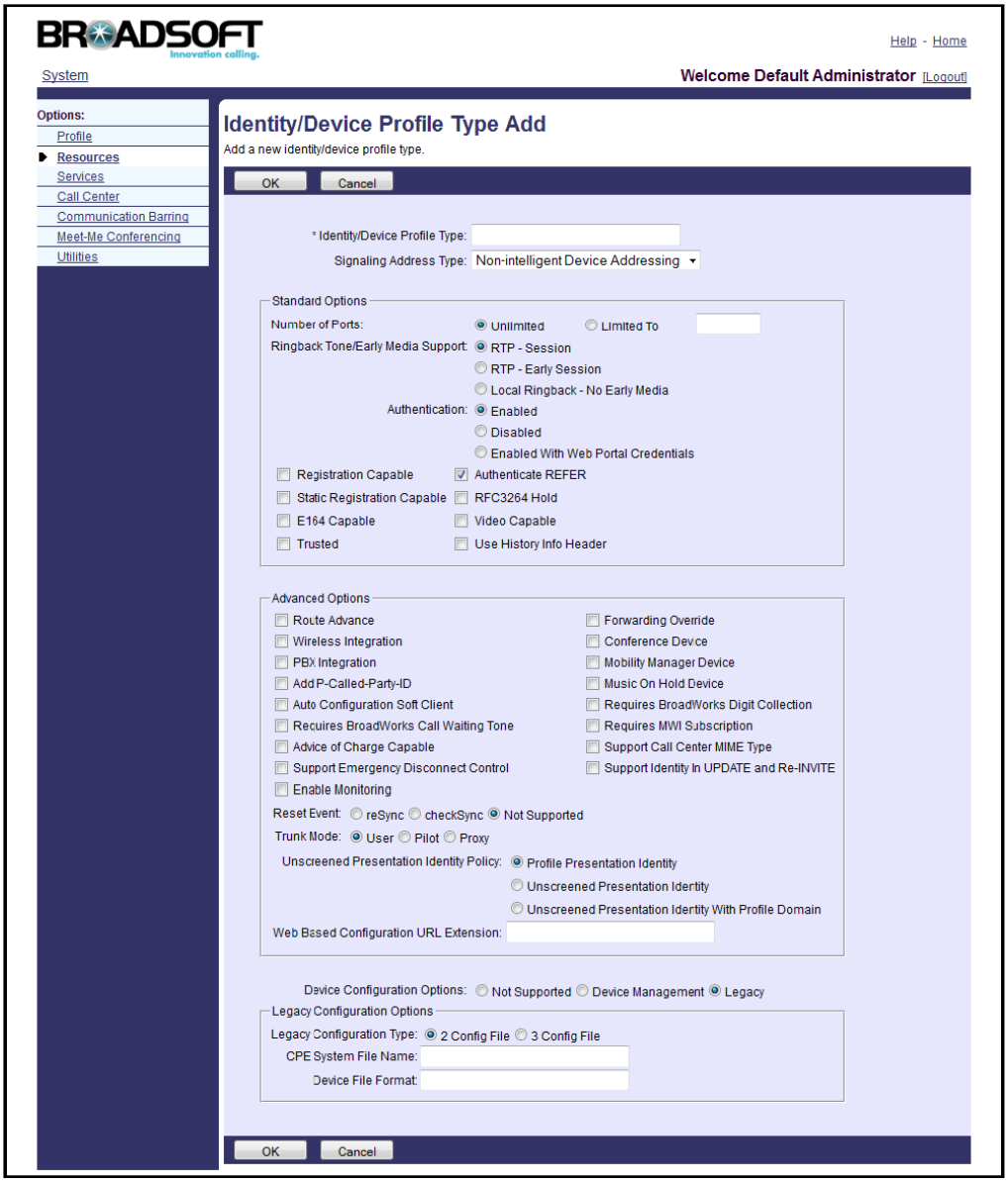
Defining Configuration Profiles

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.

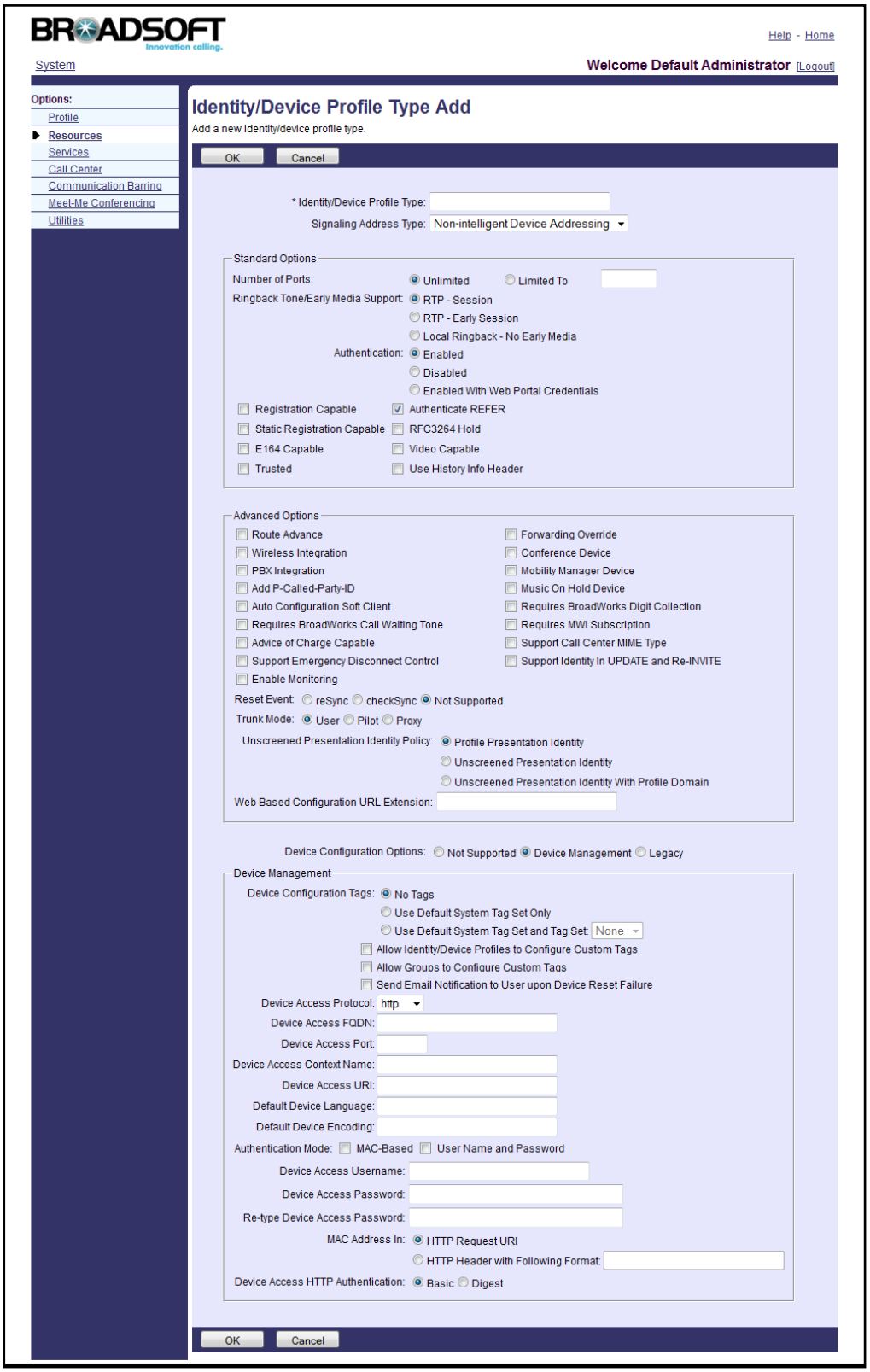
- When the "Legacy" option is selected, the **Legacy Configuration** settings appear. As shown in the following.



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 8.
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

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: 2.61.0.80.rom	Represents the name of the static file used by the device to get the static file.
Repository File Format	<file-name>.cfg Example: 2.61.0.80.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. 2.61.0.80.rom), click **Apply** to save the settings.

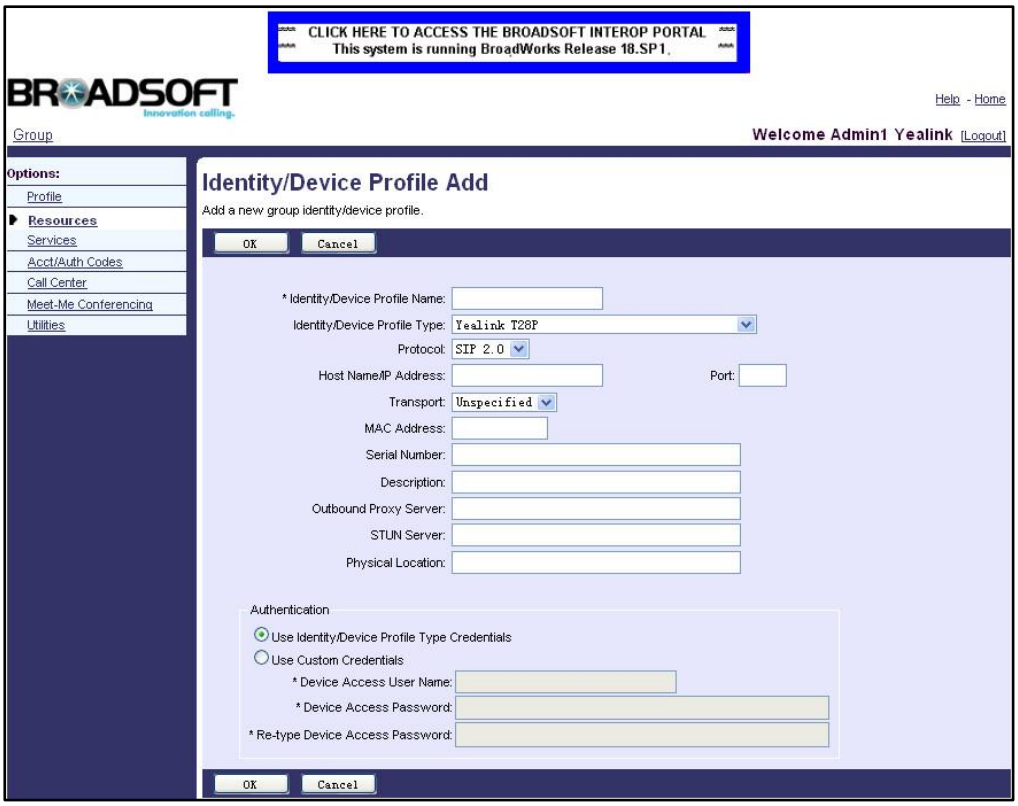
Login BroadWorks as Group Administrator

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:

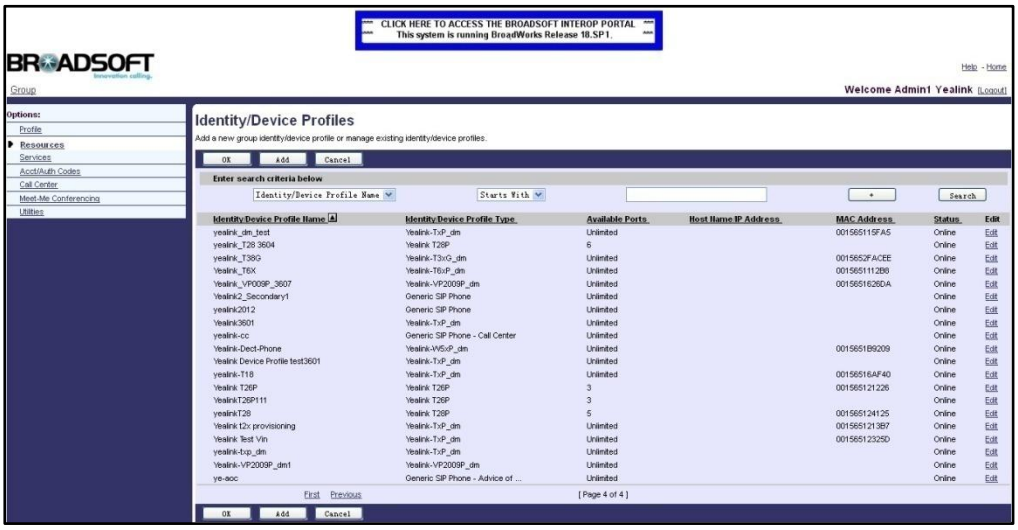
Parameter	value
Identity /Device Profile Name	The device profile name Example: yealinkT28
MAC Address	The MAC address of the device
Authentication	Uses Custom Credentials
Device Access User Name	username
Device Access Password	password

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.



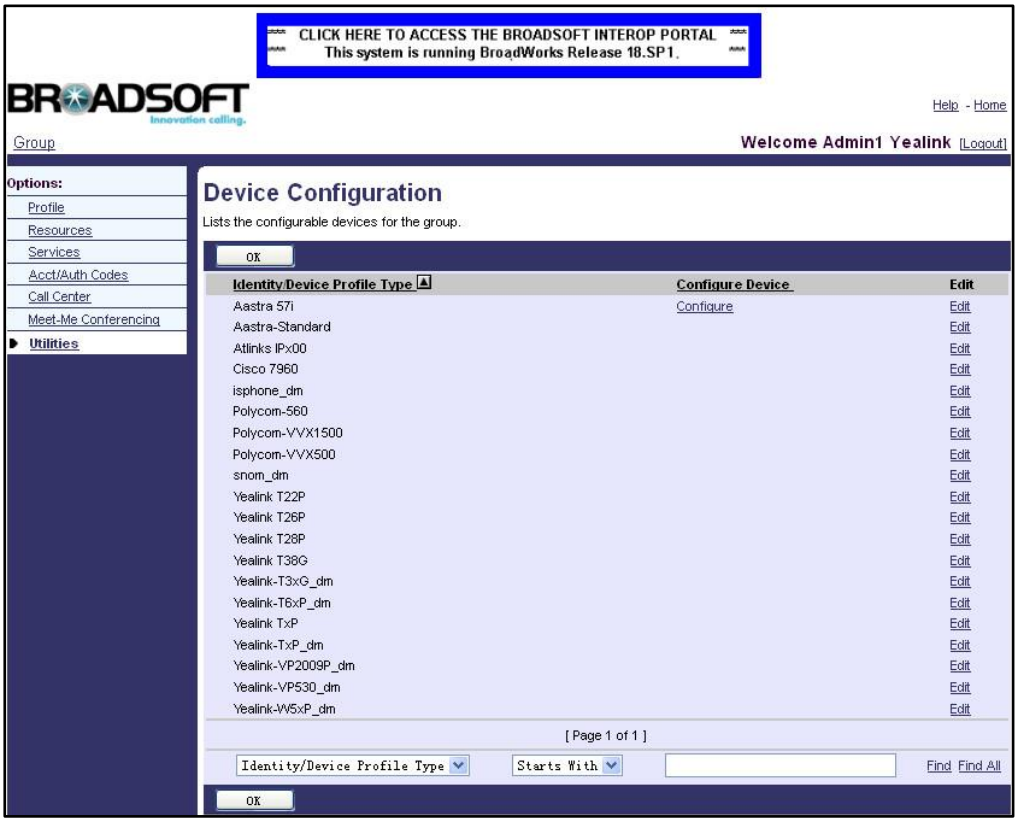
2. Select the desired device profile (e.g. yealinkT28) to edit.
3. Click on **Custom Tags** tab.

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	LANTYPE = 0	Configures the WAN port to use DHCP to obtain IP address.
Step2	TimeServer1 = %SNTP_SERVER_1% TimeServer2 = %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 = 1 Call_WaitingTone = 1	Enables call waiting and call waiting tone. 0(Disable),1(Enable)
Step4	BroadsoftFeatureKeySync = %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	http_url = http://%BWDEVICEACCESSFQDN%:%BWDEVICEACCESSPORT%/%BWDMSCONTEXT%/%BWDEVICEACCESSURI%/ firmware_name =%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%=2.61.0.80.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	Enable = %BWLINE-BINARY-1%	Enables or disables the line. %BWLINE-BINARY-1%=0/1 ("0"=disable,"1"=enable). "%BWLINE-BINARY-1%" identifies whether a line port is enabled.
Step2	DisplayName = %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 user's profile on BroadWorks.
Step3	UserName = %BWLINEPORT-1%	Configures the user ID for the line. "%BWLINEPORT-1%" must correspond

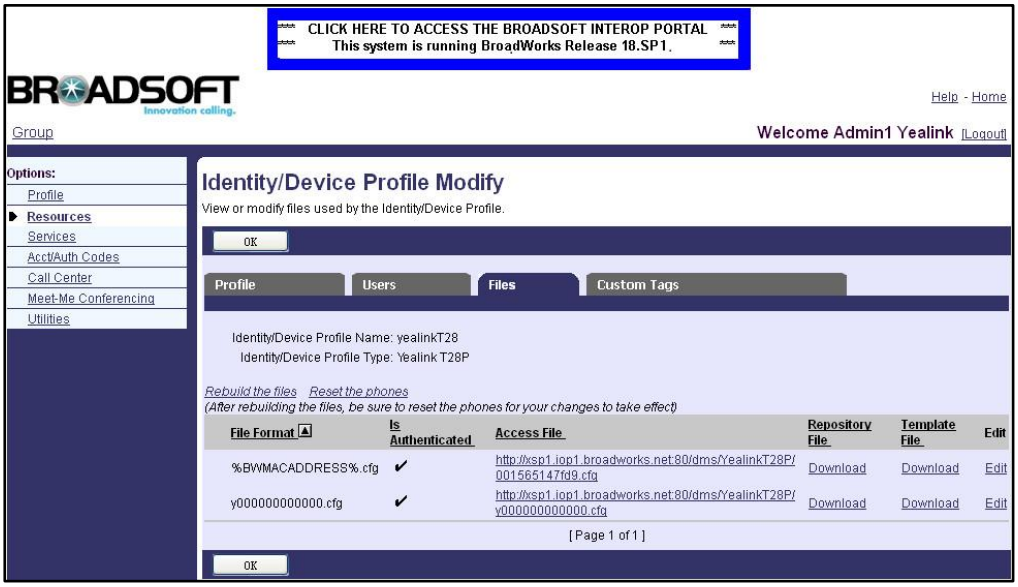
Step	Item	Description
		with the line/port setting in the user's address on BroadWorks.
Step4	AuthName = %BWAUTHUSER-1% password = %BWAUTHPASSWORD-1%	Configures SIP authentication for the line. If the Authentication service is assigned on BroadWorks, "%BWAUTHUSER-1%" and "%BWAUTHPASSWORD-1%" must match the user's authentication settings on BroadWorks.
Step5	BLFList URI = %BWBLF-URI-1%	Configures the BLF List for the line. "%BWBLF-URI-1%" is the Busy Lamp Field (BLF) List URI for the 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	ShareLine = %BWSHAREDLINE-BINARY-1%	Configures the line to be private or shared. %BWSHAREDLINE-BINARY-1%=0/1 ("0"=private,"1"=shared). %BWSHAREDLINE-BINARY-1% indicates whether the line is shared.
Step7	conf-type = 2 conf-uri = %BWNETWORK-CONFERENCE-SIPURI-1%	Configures network conference for the line. "%BWNETWORK-CONFERENCE-SIPURI-1%" is the network conference SIP URI for the 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.

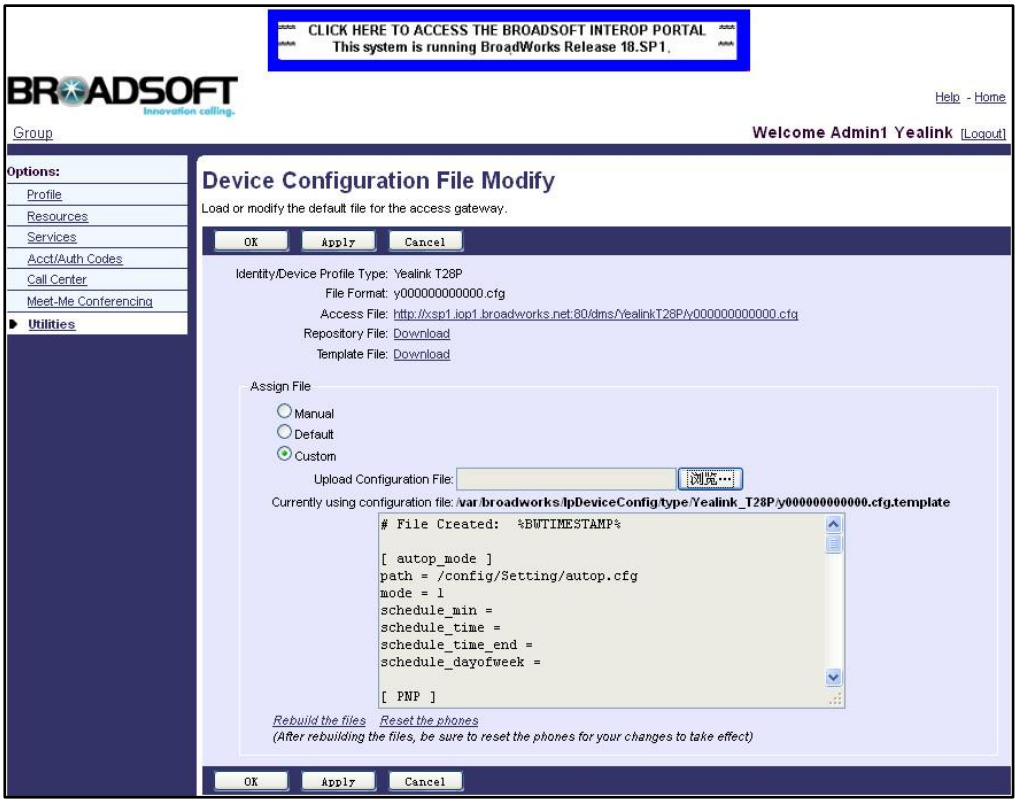
After the above settings, the template configuration files will only be effectual for the device profile (e.g. yealinkT28).

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. 2.61.0.80.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. 2.61.0.80.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.

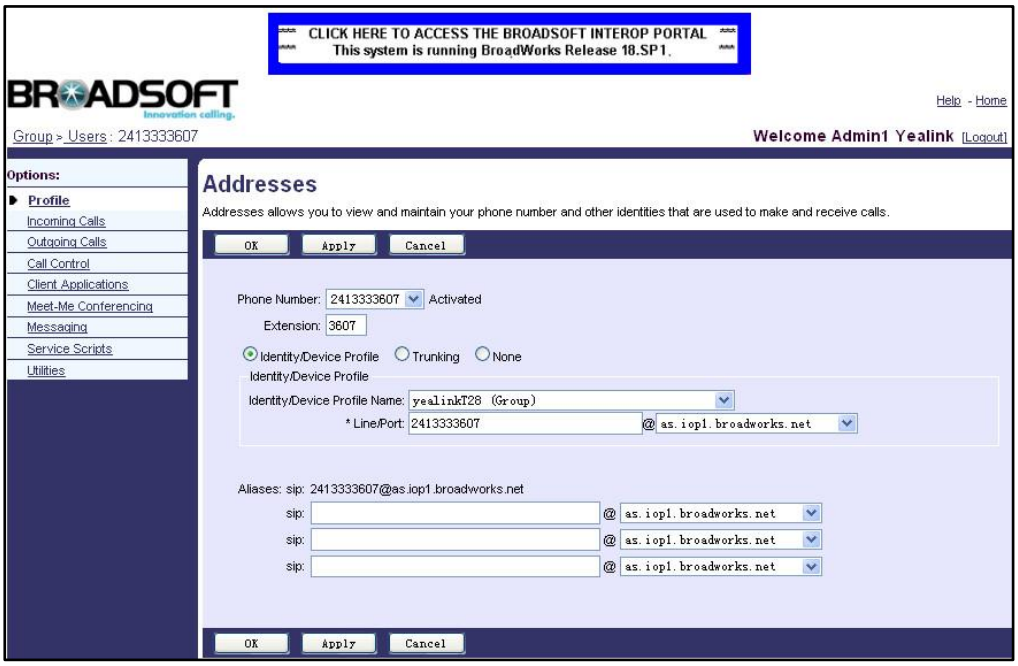
After the above settings, the static files will be effectual for the device profile type (e.g. Yealink T28P). It means all the device profile associated with this device profile type can download the static files.

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 **@**.

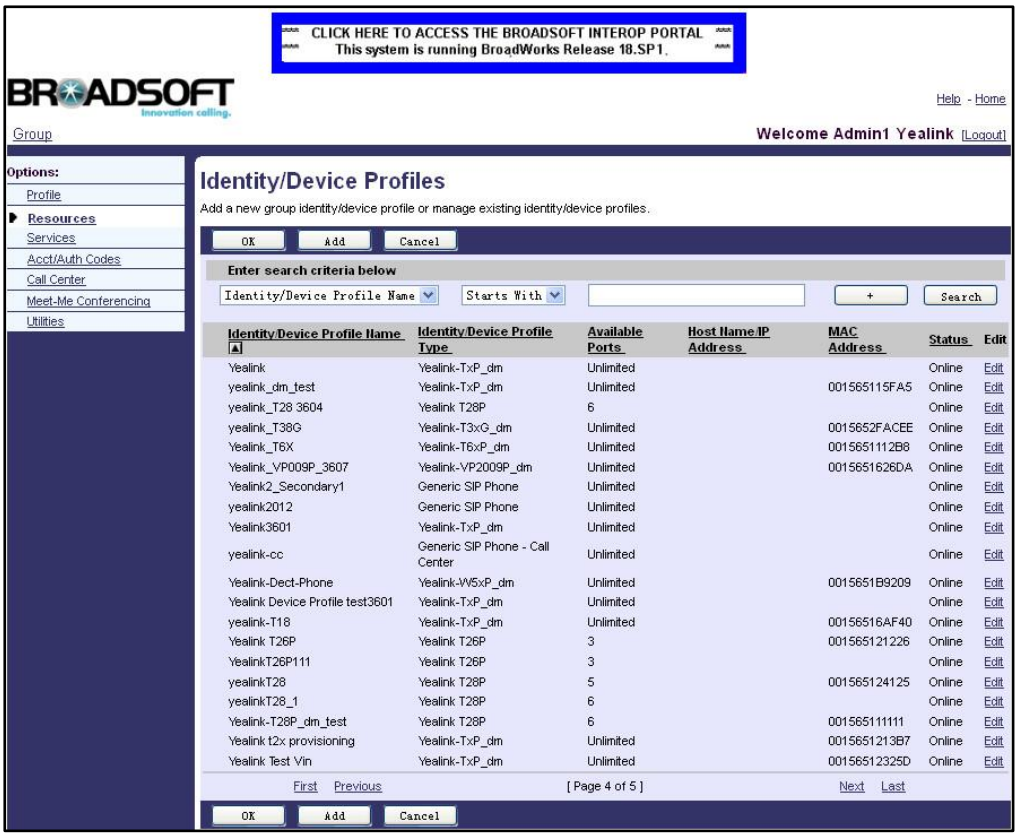


6. Click **Apply** to save the settings.

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.

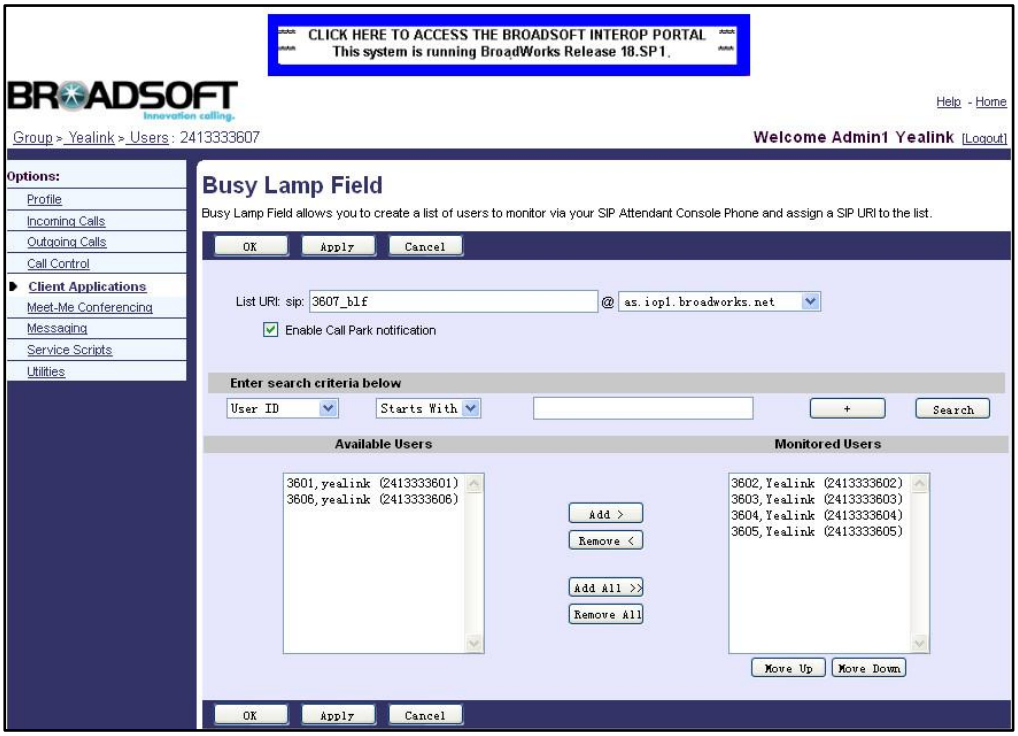
Configuring the BroadWorks Server

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
BLFList_URI	Defines the BLF List URI to	%BWBLF-URI-x%

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

The following is an example of configuring the BLF List for the first line:

```
[ blf ]
path = /config/voip/sipAccount0.cfg
BLFList_URI = %BWBLF-URI-1%
BlfListCode = %BWFAC-DIRECTED-CALL-PICKUP-1%
BlfListBargeInCode = %BWFAC-DIRECTED-CALL-PICKUP-1%
```

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

  You can configure the memory key as BLF List key.

Parameter	Description	Value
Line	Specifies the corresponding line apply to BLF List.	Integer
DKtype	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:

```
[memory1]
path = /config/vpPhone/vpPhone.ini
Line = 1
DKtype = 39
[memory2]
path = /config/vpPhone/vpPhone.ini
Line = 1
DKtype = 39
[memory3]
path = /config/vpPhone/vpPhone.ini
Line = 1
DKtype = 39
[memory4]
path = /config/vpPhone/vpPhone.ini
```

```
Line = 1

DKtype = 39
```

- Upload the template configuration files.

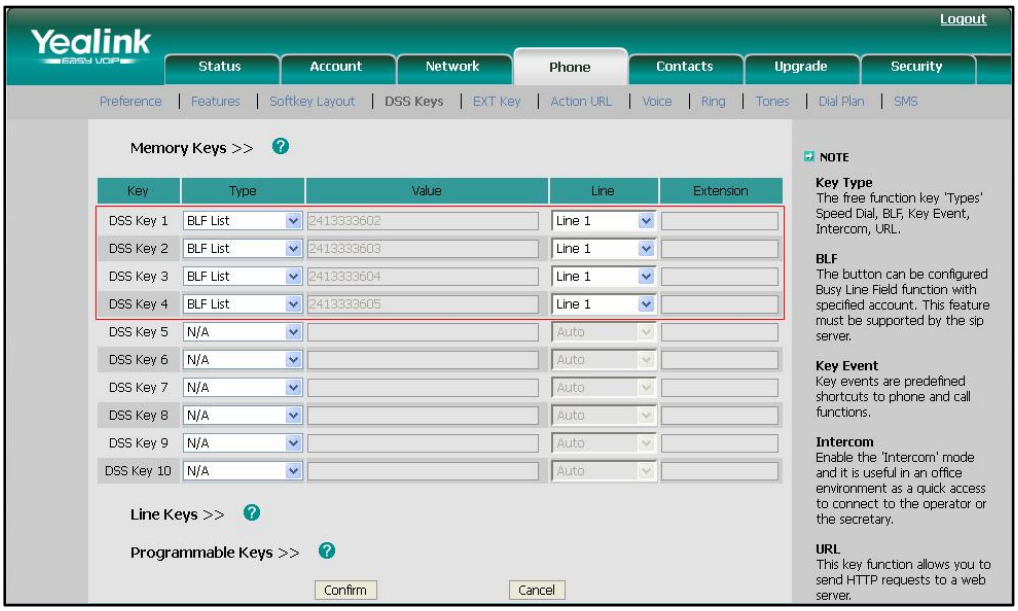
  For more information, refer to Uploading Device Template Configuration Files on page 26.

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"):

```
[ blf ]

path = /config/voip/sipAccount0.cfg

BLFList_URI = sip:3607_blf@as.iop1.broadworks.net

BlfListCode = *97

BlfListBargeInCode = *33
```

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:



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

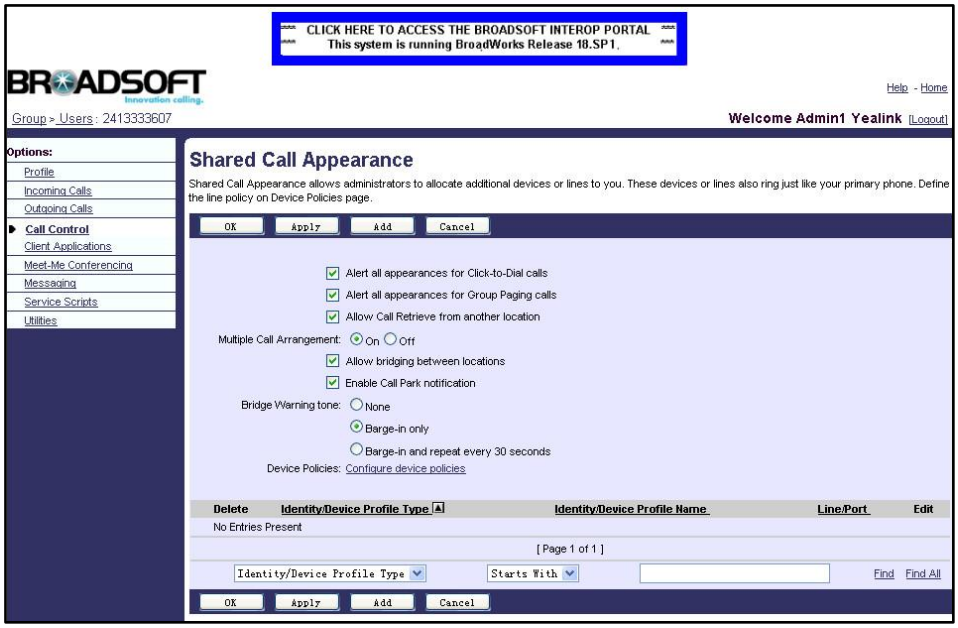
Allow Call Retrieve from another location: Selected

Multiple Call Arrangement: On

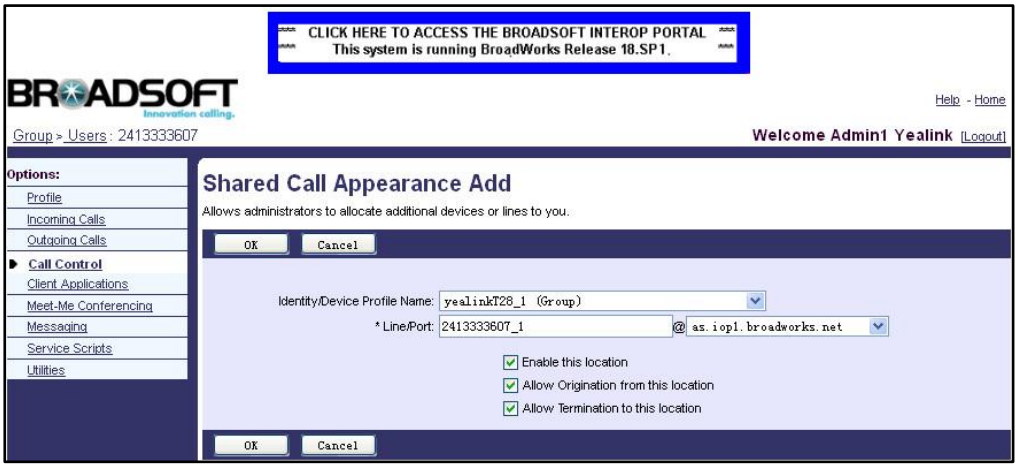
Allow bridging between locations: Selected

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. Configure the SCA feature on the primary 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):

  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
Enable	Enables or disables the line. "0"=disable,"1"=enable	%BWLINE-BINARY-x%
Lable	Configures the label to be displayed on the phone when the phone is idle.	%BWEXTENSION-x%
DisplayName	Configures the name to be displayed on the called party when the phone plays a call.	%BWCLID-x%
AuthName	Configures authentication ID for the line.	%BWAUTHUSER-x%
password	Configures authentication password for the line.	%BWAUTHPASSWORD-x%
UserName	Configures the user ID for the line.	%BWLINEPORT-x%
SIPServerHost	Configures the SIP server	%BWHOST-x%

Parameter	Description	Value
	address.	
SIPServerPort	Configures the SIP server port.	5060
UseOutboundProxy	Enables or disables the outbound proxy server.	%USE_SBC_BOOLEAN%
OutboundHost	Configures the outbound proxy server address.	%SBC_ADDRESS%
OutboundPort	Configures the outbound proxy server port	%SBC_PORT%
ShareLine	Configures the line to be private or shared. "0"=private,"1"=shared	%BWSHAREDLINE-BINARY-x%

The following is an example of configuring the primary account for the second line:

```
[ account ]
path = /config/voip/sipAccount1.cfg
Enable = %BWLINE-BINARY-2%
Label = %BWEXTENSION-2%
DisplayName = %BWCLID-2%
AuthName = %BWAUTHUSER-2%
UserName = %BWLINEPORT-2%
password = %BWAUTHPASSWORD-2%
SIPServerHost = %BWHOST-2%
SIPServerPort = 5060
UseOutboundProxy = %USE_SBC_BOOLEAN%
OutboundHost = %SBC_ADDRESS%
OutboundPort = %SBC_PORT%
ShareLine = %BWSHAREDLINE-BINARY-2%
```

- Configure a shared line key on the IP phone using the template configuration file (y000000000000.cfg):

Parameter	Description	Value
Line	Specifies the corresponding line apply to Shared Line.	Integer
Value	Enters the primary account.	String
DKtype	Defines the memory key type, the number 21 corresponds to Shared Line.	Integer

The following is an example of configuring the memory key 1 as a shared line key:

```
[memory1]
path = /config/vpPhone/vpPhone.ini
Line = 2
Value = 2413333607
DKtype = 21
```

- 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:

```
[ account ]
path = /config/voip/sipAccount1.cfg
Enable = 1
Label = 3607
DisplayName = 3607 yealink
AuthName = 2413333607
UserName = 2413333607
password = yealink1105
SIPServerHost = as.iop1.broadworks.net
SIPServerPort = 5060
UseOutboundProxy = 1
OutboundHost = 199.19.193.9
OutboundPort = 5060
ShareLine = 1
```

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 following is an example of configuring the alternate account for the second line:

```
[ account ]
path = /config/voip/sipAccount1.cfg
Enable = %BWLINE-BINARY-2%
Label = %BWEXTENSION-2%
```

```
DisplayName = %BWCLID-2%
AuthName = %BWAUTHUSER-2%
password = %BWAUTHPASSWORD-2%
UserName = %BWLINEPORT-2%
SIPServerHost = %BWHOST-2%
SIPServerPort = 5060
UseOutboundProxy = %USE_SBC_BOOLEAN%
OutboundHost = %SBC_ADDRESS%
OutboundPort = %SBC_PORT%
ShareLine = %BWSHAREDLINE-BINARY-2%
```

- Configure a shared line key on the IP phone using the template configuration file (y000000000000.cfg):

  The following is an example of configuring the memory key 1 as a shared line key:

  ```
  [memory1]
  path = /config/vpPhone/vpPhone.ini
  Line = 2
  Value = 2413333607
  DKtype = 21
  ```

- 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:

  ```
  [ account ]
  path = /config/voip/sipAccount1.cfg
  Enable = 1
  Label = 3607
  DisplayName = 3607 yealink
  AuthName = 2413333607
  UserName = 2413333607_1
  password = yealink1105
  SIPServerHost = as.iop1.broadworks.net
  SIPServerPort = 5060
  UseOutboundProxy = 1
  OutboundHost = 199.19.193.9
  OutboundPort = 5060
  ShareLine = 1
  ```

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 key Synchronisation

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

To configure the Feature Key Sync using the template configuration files:

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

   Use the following parameters to configure the Feature Key Sync:

Parameter	Description	Value
BroadsoftFeatureKeySync	Enables or disables the Feature Key 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.

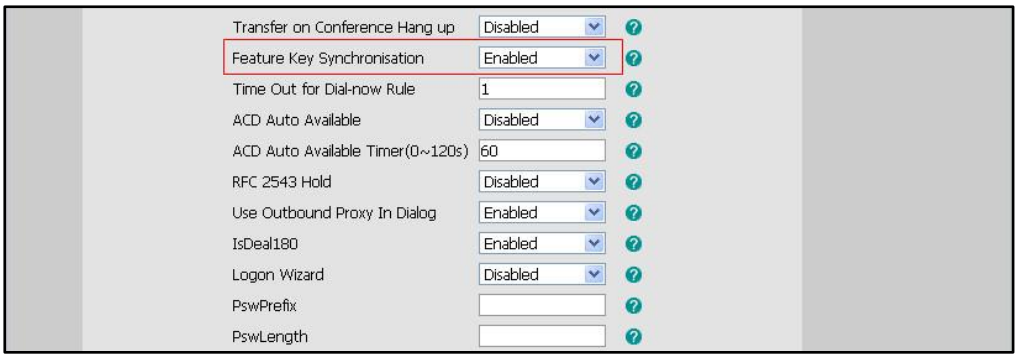
After the above configurations, the tags in the template file (e.g. y000000000000.cfg) will be replaced by the actual parameter values. As shown in the following:

```
BroadsoftFeatureKeySync = 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 Key Sync via web user interface at the path **Phone->Features**.

For more information on how to configure the Feature Key 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.

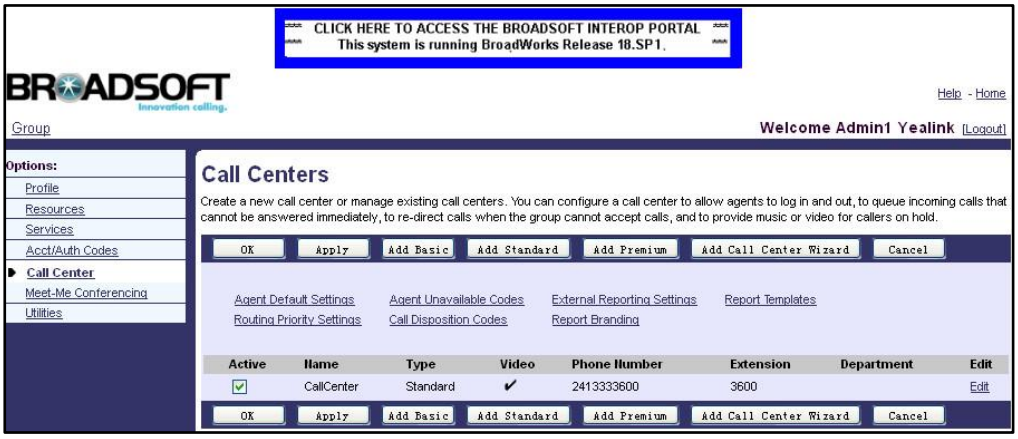
Configuring the BroadWorks Server

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

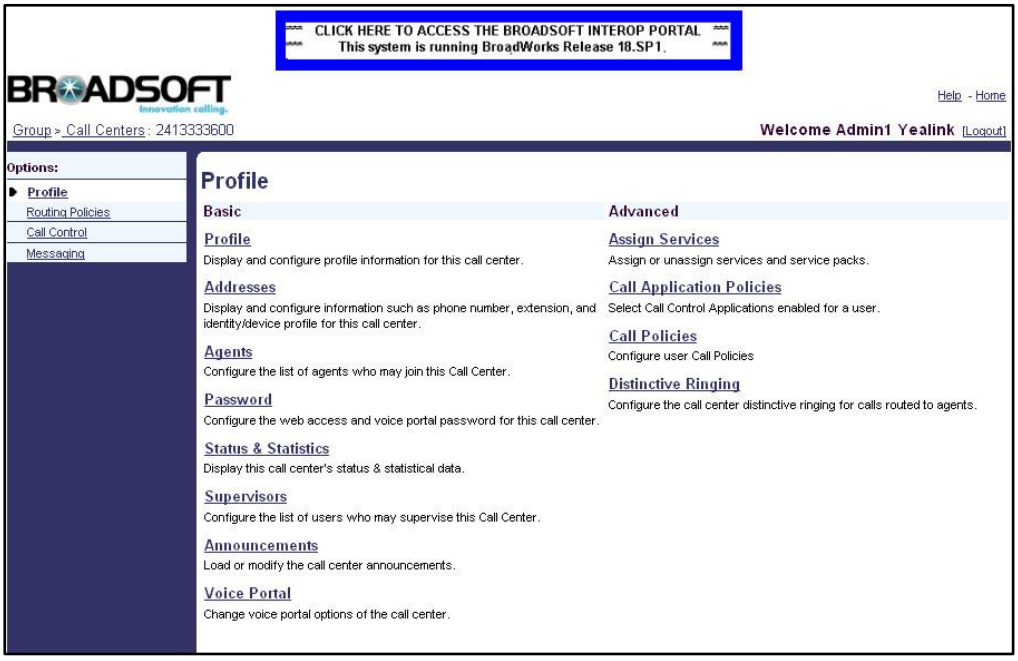
Standard (or Premium) call center.

3. After creating the call center, go back to **Call Center->Call Centers** and check the **Active** checkbox for the call center.



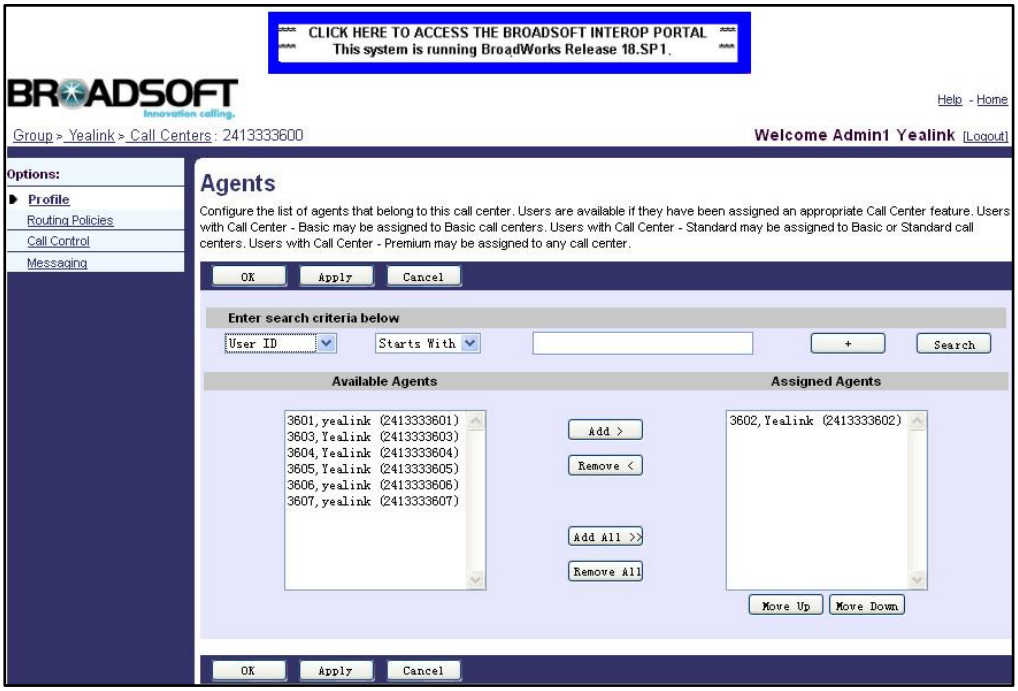
To assign the agents to the call center on the BroadWorks server:

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.

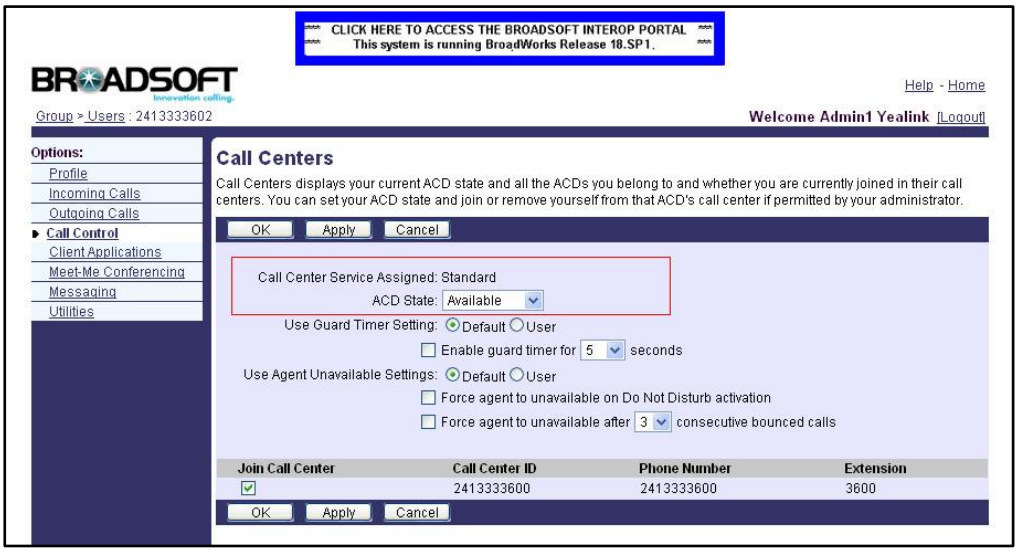


6. Repeat step 5 to assign more agents to the call center.

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 following is an example of registering the account for the first line:

```
[ account ]
path = /config/voip/sipAccount0.cfg
Enable = %BWLINE-BINARY-1%
Label = %BWEXTENSION-1%
DisplayName = %BWCLID-1%
AuthName = %BWAUTHUSER-1%
password = %BWAUTHPASSWORD-1%
UserName = %BWLINEPORT-1%
SIPServerHost = %BWHOST-1%
SIPServerPort = 5060
UseOutboundProxy = %USE_SBC_BOOLEAN%
OutboundHost = %SBC_ADDRESS%
OutboundPort = %SBC_PORT%
```

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

Parameter	Description	Value
Line	Specifies the corresponding line apply to BLF List.	Integer
DKtype	Defines the memory key type, the number 42 corresponds to ACD.	Integer

The following is an example of configuring the memory key 1 as the ACD key:

```
[memory1]
path = /config/vpPhone/vpPhone.ini
Line = 1
DKtype = 42
```

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

```
BroadsoftFeatureKeySync = 1
```

For more information, refer to Feature key Synchronisation on page 44.

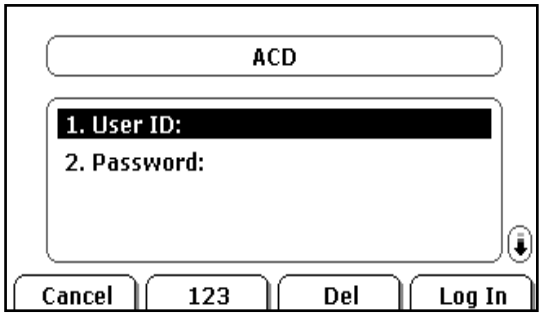
6. Upload the template configuration files.

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 ]
path = /config/voip/sipAccount0.cfg
Enable = 1
Label = 3602
DisplayName = 3602 yealink
AuthName = 2413333602
password = yealink1105
UserName = 2413333602
SIPServerHost = as.iop1.broadworks.net
SIPServerPort = 5060
UseOutboundProxy = 1
OutboundHost = 199.19.193.9
OutboundPort = 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
conf-type	Defines the conference type: "0"=Local, "2"=Network	Integer
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 ]
path = /config/voip/sipAccount0.cfg
conf-type = 2
conf-uri = %BWNETWORK-CONFERENCE-SIPURI-1%
```

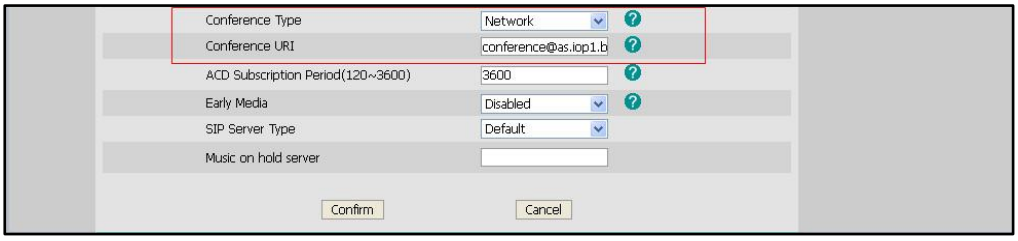
2. Upload the template configuration file (e.g. %BWMACADDRESS%.cfg).

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 ]
path = /config/voip/sipAccount0.cfg
conf-type = 2
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 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:

Parameter	Description
DisplayName	Defines the name of the BroadSoft phonebook.
Server	Sets the access URL of the BroadSoft phonebook.
Port	Sets the access port of the BroadSoft phonebook.
UserName	Sets the username to load the BroadSoft phonebook.
PassWord	Sets the password to load the BroadSoft phonebook.

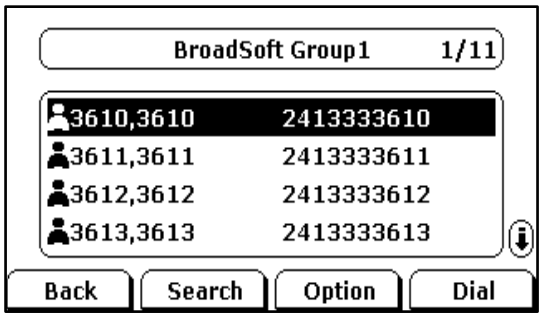
   The following is an example of configuring the user 2413333614's group directory for the first directory item:

```
[Account0]
path = /config/Contacts/BroadSoft.cfg
DisplayName = Group1
Server =
       http://xsp1.iop1.broadworks.net/com.broadsoft.xsi-action
       s/v1.0/user/2413333614@as.iop1.broadworks.net/directorie
       s/Group
Port=
UserName = 2413333614@as.iop1.broadworks.net
PassWord = yealink
```

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:

Parameter	Description
DisplayName	Defines the name of the BroadSoft call log.
Server	Sets the access URL of the BroadSoft call log.
Port	Sets the access port of the BroadSoft call log.

Parameter	Description
UserName	Sets the password to load the BroadSoft call log.
Password	Sets the password to load the BroadSoft call log.

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

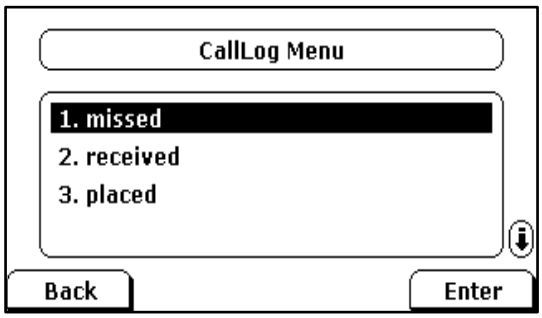
```
[ CallLog0 ]
path = /config/Contacts/BroadSoft.cfg
DisplayName = missed
Server =
       http://xsp1.iop1.broadworks.net/com.broadsoft.xsi-action
       s/v1.0/user/2413333614@as.iop1.broadworks.net/directorie
       s/calllogs/missed
Port =
UserName = 2413333614@as.iop1.broadworks.net
PassWord = yealink
[ CallLog1 ]
path = /config/Contacts/BroadSoft.cfg
DisplayName = received
Server =
       http://xsp1.iop1.broadworks.net/com.broadsoft.xsi-action
       s/v1.0/user/2413333614@as.iop1.broadworks.net/directorie
       s/calllogs/received
Port =
UserName = 2413333614@as.iop1.broadworks.net
PassWord = yealink
[ CallLog2 ]
path = /config/Contacts/BroadSoft.cfg
DisplayName= placed
Server =
       http://xsp1.iop1.broadworks.net/com.broadsoft.xsi-action
       s/v1.0/user/2413333614@as.iop1.broadworks.net/directorie
       s/calllogs/placed
Port =
UserName = 2413333614@as.iop1.broadworks.net
PassWord = yealink
```

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):

Parameter	Description
server_type	Defines the server type.
server_ip	Sets the IP address or the domain name of the server.
server_port	Sets the port of the server.
http_url	Sets the access URL of the server.
firmware_name	Sets the firmware name.

The following is an example of upgrading firmware to V61:

```
[ firmware ]
path = /tmp/download.cfg
server_type = http
server_ip = %BWDEVICEACCESSFQDN%
server_port = %BWDEVICEACCESSPORT%
login_name =
login_pswd =
http_url=http://%BWDEVICEACCESSFQDN%:%BWDEVICEACCESSPORT%/%BWDM
         SCONTEXT%/%BWDEVICEACCESSURI%/
firmware_name = %FIRMWARE_VERSION%
```

2. Customize the static tag. The tag name is %FIRMWARE_VERSION% and the tag value is the firmware version (e.g. 2.61.0.80.rom).

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

3. Upload the firmware (e.g. 2.61.0.80.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/2.61.0.80.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].

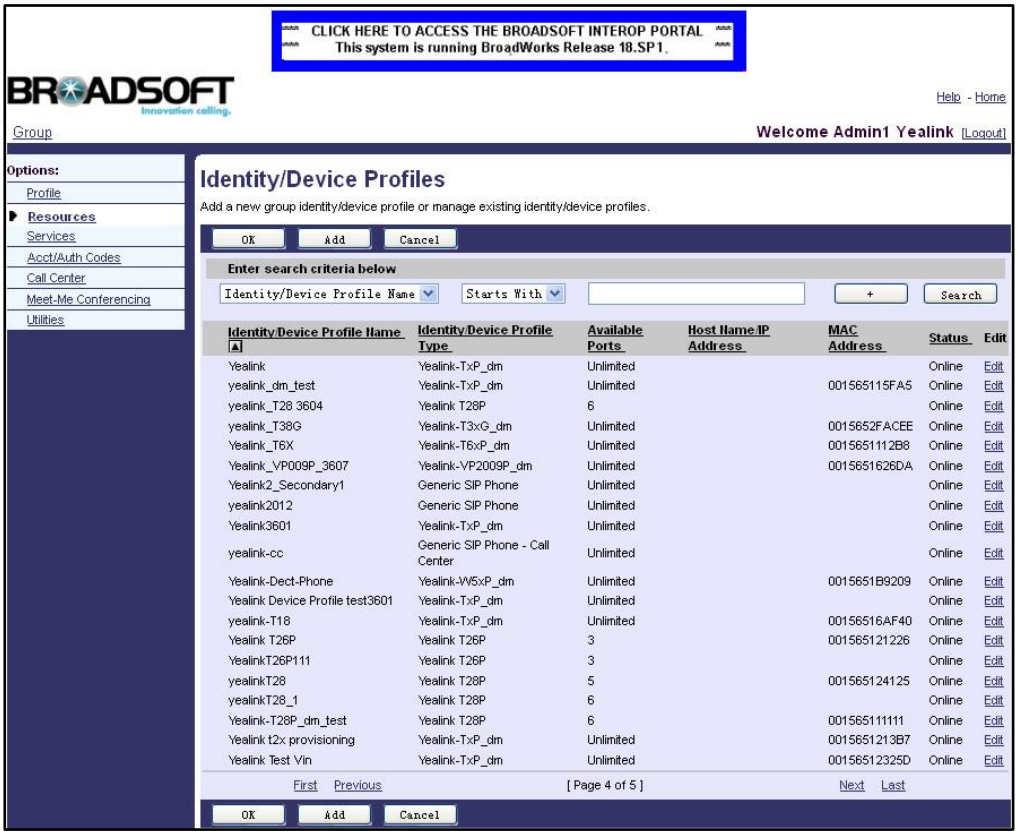
Downloading and Verifying Configurations

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.

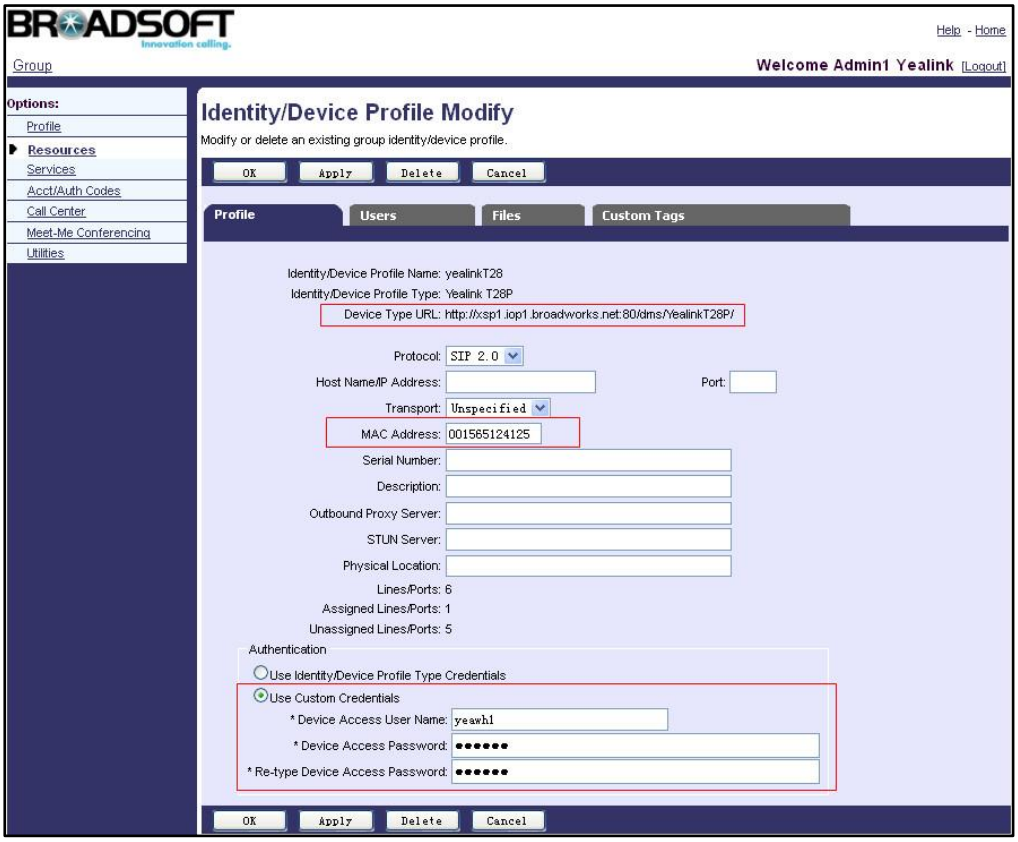
To check the BroadWorks server settings:

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.

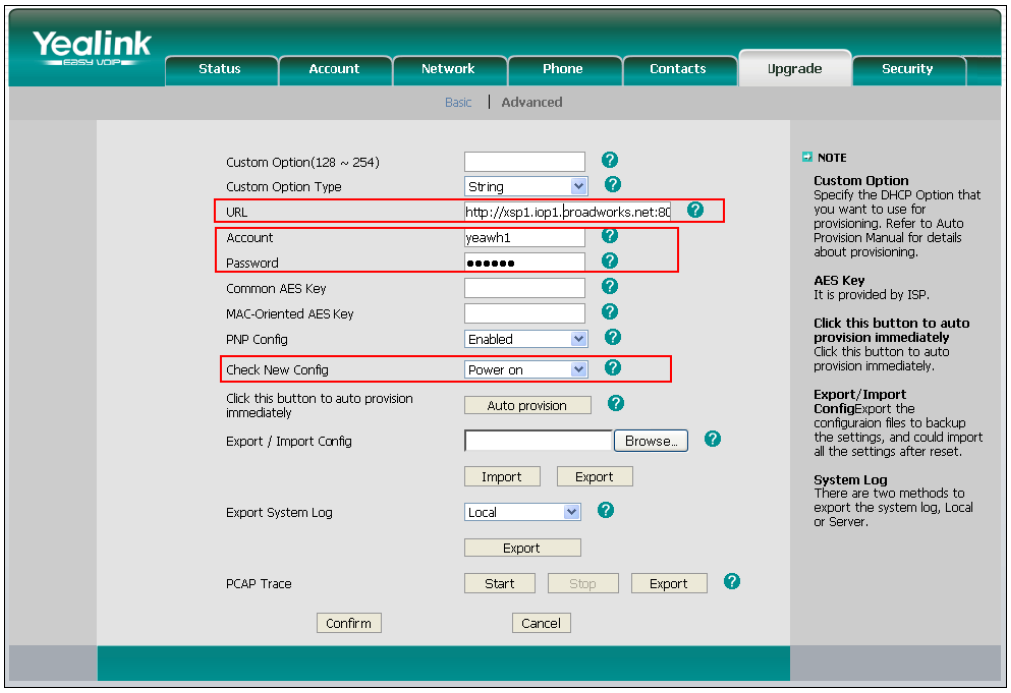
6. Check the parameters: URL, mac address, username and password in the corresponding fields.



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**.



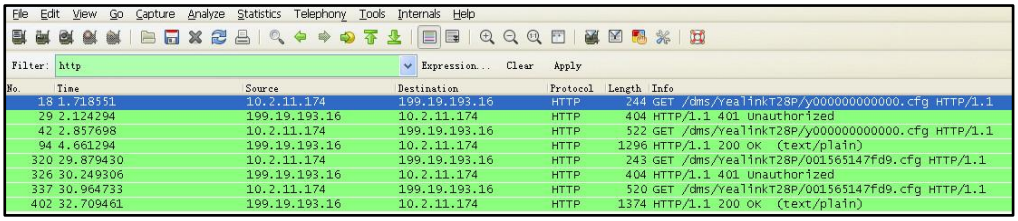
5. Click **Confirm** to save the settings.

   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 SIP-T28P Template Configuration Files

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

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

#################################################
##                  Network Settings                  ##
#################################################
[ WAN ]
path = /config/Network/Network.cfg
#WANType:0:DHCP,1:PPPoE,2:StaticIP
WANType = 0
WANStaticIP =
WANSubnetMask =
WANDefaultGateway =
[ LAN ]
path = /config/Network/Network.cfg
LANTYPE = 1
RouterIP =
LANSubnetMask =
EnableDHCP = 1
DHCPStartIP = 10.0.0.10
DHCPEndIP = 10.0.0.100
SpanToPCPort = 0
[ VLAN ]
path = /config/Network/Network.cfg
#ISVLAN,VID and USRPRIORITY are used for VLAN on LAN port
#PC_PORT_VLAN_ENABLE,PC_PORT_VID and PC_PORT_PRIORITY are used for PC port
ISVLAN = 0
VID =
USRPRIORITY =
PC_PORT_VLAN_ENABLE = 0
```

```
PC_PORT_VID = 0
PC_PORT_PRIORITY = 0
[ QOS ]
path = /config/Network/Network.cfg
SIGNALTOS = 40
RTPTOS = 40
# # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # ## # # # # # #
##                              Time Settings                              # #
# # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # ## # # # # # #
[ Time ]
path = /config/Setting/Setting.cfg
TimeServer1 = %SNTP_SERVER_1%
TimeServer2 = %SNTP_SERVER_2%
Interval = 1000
#Set daylight saving time.SummerTime 0 means disable,1 means enable, 2 means
automatic
SummerTime = 2
DSTTimeType = 0
StartTime = 1/1/0
EndTime = 12/31/23
TimeFormat = 1
DateFormat = 0
OffSetTime = 60
# # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # ## # # # # # #
# #                              Feature Settings                              # #
# # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # ## # # # # # #
[ Features ]
path = /config/Features/Phone.cfg
Call_Waiting = 1
Hotlinenumber =
BusyToneDelay = 3
LCD_Logo = 1
DND_Code = 480
Refuse_Code = 486
DND_On_Code = %BWFAC-DND-ACTIVATE-1%
DND_Off_Code = %BWFAC-DND-DEACTIVATE-1%
ButtonSoundOn = 1
CallCompletion = 0
AllowIntercom = 1
IntercomMute = 0
IntercomTone = 1
IntercomBarge = 1
Call_WaitingTone = 1
```

```
Hotlinedelay = 4
SendKeySoundOn = 1
BroadsoftFeatureKeySync = %FEATURE_KEY_SYN%
PswPrefix =
PswLength =
PswDialEnable = 0
HistorySaveDisplay = 1
SaveCallHistory = 1
PswPrefix =
PswLength =
PswDialEnable = 0
HistorySaveDisplay = 1
SaveCallHistory = 1
ButtonSoundOn = 1
ClosePowerLight =
HideDTMF =
HideDTMFDelay =
DTMFRepetition =
ActionURILimitIP =
# # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # #
# #                    Updating firmware Settings                    # #
# # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # #
[ firmware ]
path = /tmp/download.cfg
server_type =
server_ip = %BWDEVICEACCESSFQDN%
server_port = %BWDEVICEACCESSPORT%
login_name =
login_pswd =
http_url =
http://%BWDEVICEACCESSFQDN%:%BWDEVICEACCESSPORT%/%BWDMSCONTEXT%/%BW
DEVICEACCESSURI%/
firmware_name =%FIRMWARE_VERSION%
## Firmware Version for SIP-T28G

# # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # #
##                    Updating File Settings                    # #
# # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # #
[ ringtone ]
path = /tmp/download.cfg
server_address =
http://%BWDEVICEACCESSFQDN%:%BWDEVICEACCESSPORT%/%BWDMSCONTEXT%/%BW
DEVICEACCESSURI%xxx.wav
[ Lang ]
```

```
path = /tmp/download.cfg
server_address =
http://%BWDEVICEACCESSFQDN%:%BWDEVICEACCESSPORT%/%BWDMSCONTEXT%/%BW
DEVICEACCESSURI%lang+(-)xxx.txt
[ ContactList ]
path = /tmp/download.cfg
server_address =
http://%BWDEVICEACCESSFQDN%:%BWDEVICEACCESSPORT%/%BWDMSCONTEXT%/%BW
DEVICEACCESSURI%contactData1.xml
# # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # ## # # # # # #
##                    Autoprovision Settings                    # #
# # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # ## # # # # # #
[ autoprovision ]
path = /config/Setting/autop.cfg
server_address =
user =
password =
[ PNP ]
path = /config/Setting/autop.cfg
Pnp =
# # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # ## # # # # # #
# #                    Other Settings                    # #
# # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # ## # # # # # #
[ Trans ]
path = /config/Features/Phone.cfg
IsOnHookTrans = 1
[ AutoRedial ]
path = /config/Features/Phone.cfg
EnableRedial = 0
RedialInterval = 10
RedialTimes = 10
[ PoundSend ]
path = /config/Features/Phone.cfg
#Set # key or * key as send. #:1 and *:2
Enable = 1
[ ReplaceRule ]
path = /config/Setting/AdvSetting.cfg
ReplaceAll = 1
```

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

# # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # ## # # # # #
# #                         Account1 Registration Settings                  # #
# # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # ## # # # # #
[account ]
path = /config/voip/sipAccount0.cfg
Enable = %BWLINE-BINARY-1%
Label = %BWEXTENSION-1%
DisplayName = %BWCLID-1%
AuthName = %BWAUTHUSER-1%
UserName = %BWLINEPORT-1%
password = %BWAUTHPASSWORD-1%
SIPServerHost = %BWHOST-1%
SIPServerPort = 5060
UseOutboundProxy = %USE_SBC_BOOLEAN%
OutboundHost = %SBC_ADDRESS%
OutboundPort = %SBC_PORT%
Transport = %SIP_TRANSPORT%
AnonymousCall = 0
RejectAnonymousCall = 0
MissedCallLog = 1
AutoAnswer = 0
VoiceMail = %BWVOICE-PORTAL-NUMBER-1%
# # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # ## # # # # #
# #                              Account1 Function Settings                  # #
# # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # ## # # # # #
[ account ]
path = /config/voip/sipAccount0.cfg
ShareLine = %BWSHAREDLINE-BINARY-1%
conf-type = 2
conf-uri =%BWNETWORK-CONFERENCE-SIPURI-1%
[ blf ]
path = /config/voip/sipAccount0.cfg
SubscribePeriod = 1800
BLFList_URI = %BWBLF-URI-1%
[ Account0 ]
path = /config/Contacts/BroadSoft.cfg
DisplayName =
Server =
Port =
UserName =
```

```
PassWord =
# # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # ## # # # # # #
# #                          Account1 Feature Settings                          # #
# # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # ## # # # # # #
[ AlwaysFWD ]
path = /config/Features/Forward.cfg
Enable = %BWCFA-BINARY-1%
Target =
On_Code = %BWFAC-CFA-ACTIVATE-1%
Off_Code = %BWFAC-CFA-DEACTIVATE-1%
[ BusyFWD ]
path = /config/Features/Forward.cfg
Enable =
Target =
On_Code = %BWFAC-CFB-ACTIVATE-1%
Off_Code = %BWFAC-CFB-DEACTIVATE-1%
[ TimeoutFWD ]
path = /config/Features/Forward.cfg
Enable =
Target =
Timeout =
On_Code = %BWFAC-CFNA-ACTIVATE-1%
Off_Code = %BWFAC-CFNA-ACTIVATE-1%
# # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # ## # # # # # #
# #                          Account2 Registration Settings                          # #
# # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # ## # # # # # #
[ account ]
path = /config/voip/sipAccount1.cfg
Enable = %BWLINE-BINARY-2%
Label = %BWEXTENSION-2%
DisplayName = %BWCLID-2%
AuthName = %BWAUTHUSER-2%
UserName = %BWLINEPORT-2%
password = %BWAUTHPASSWORD-2%
SIPServerHost = %BWHOST-2%
SIPServerPort = 5060
UseOutboundProxy = %USE_SBC_BOOLEAN%
OutboundHost = %SBC_ADDRESS%
OutboundPort = %SBC_PORT%
Transport = %SIP_TRANSPORT%
AnonymousCall = 0
RejectAnonymousCall = 0
MissedCallLog = 1
AutoAnswer = 0
```

```
VoiceMail = %BWVOICE-PORTAL-NUMBER-2%
#########################################################
##                    Account2 Function Settings                    ##
#########################################################
[ account ]
path = /config/voip/sipAccount1.cfg
ShareLine = %BWSHAREDLINE-BINARY-2%
conf-type = 2
conf-uri =%BWNETWORK-CONFERENCE-SIPURI-2%
[ blf ]
path = /config/voip/sipAccount0.cfg
SubscribePeriod = 1800
BLFList_URI = %BWBLF-URI-2%
[ Account1 ]
path = /config/Contacts/BroadSoft.cfg
DisplayName =
Server =
Port =
UserName =
PassWord =
#########################################################
##                    Account2 Feature Settings                    ##
#########################################################
[ AlwaysFWD ]
path = /config/Features/Forward.cfg
Enable = %BWCFA-BINARY-1%
Target =
On_Code = %BWFAC-CFA-ACTIVATE-1%
Off_Code = %BWFAC-CFA-DEACTIVATE-1%
[ BusyFWD ]
path = /config/Features/Forward.cfg
Enable =
Target =
On_Code = %BWFAC-CFB-ACTIVATE-1%
Off_Code = %BWFAC-CFB-DEACTIVATE-1%
[ TimeoutFWD ]
path = /config/Features/Forward.cfg
Enable =
Target =
Timeout =
On_Code = %BWFAC-CFNA-ACTIVATE-1%
Off_Code = %BWFAC-CFNA-ACTIVATE-1%
```

```
##############################################
##          Account3 Registration Settings  (IP600 support account 3 only)     ##
##############################################
[ account ]
path = /config/voip/sipAccount2.cfg
Enable = %BWLINE-BINARY-3%
Label = %BWEXTENSION-3%
DisplayName = %BWCLID-3%
AuthName = %BWAUTHUSER-3%
UserName = %BWLINEPORT-3%
password = %BWAUTHPASSWORD-3%
SIPServerHost = %BWHOST-3%
SIPServerPort = 5060
UseOutboundProxy = %USE_SBC_BOOLEAN%
OutboundHost = %SBC_ADDRESS%
OutboundPort = %SBC_PORT%
Transport = %SIP_TRANSPORT%
AnonymousCall = 0
RejectAnonymousCall = 0
MissedCallLog = 1
AutoAnswer = 0
VoiceMail = %BWVOICE-PORTAL-NUMBER-3%
##############################################
##                    Account3 Function Settings                    ##
##############################################
[ account ]
path = /config/voip/sipAccount2.cfg
ShareLine = %BWSHAREDLINE-BINARY-3%
conf-type = 2
conf-uri =%BWNETWORK-CONFERENCE-SIPURI-3%
[ blf ]
path = /config/voip/sipAccount2.cfg
SubscribePeriod = 1800
BLFList_URI =%BWBLF-URI-3%
[ Account2 ]
path = /config/Contacts/BroadSoft.cfg
DisplayName =
Server =
Port =
UserName =
PassWord =
##############################################
##                     Account3 Feature Settings                    ##
##############################################
```

```
[ AlwaysFWD ]
path = /config/Features/Forward.cfg
Enable = %BWCFA-BINARY-1%
Target =
On_Code = %BWFAC-CFA-ACTIVATE-1%
Off_Code = %BWFAC-CFA-DEACTIVATE-1%
[ BusyFWD ]
path = /config/Features/Forward.cfg
Enable =
Target =
On_Code = %BWFAC-CFB-ACTIVATE-1%
Off_Code = %BWFAC-CFB-DEACTIVATE-1%
[ TimeoutFWD ]
path = /config/Features/Forward.cfg
Enable =
Target =
Timeout =
On_Code = %BWFAC-CFNA-ACTIVATE-1%
Off_Code = %BWFAC-CFNA-ACTIVATE-1%
# # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # ## # # # # #
# #                    Account4 Registration Settings                    # #
# # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # ## # # # # #
[ account ]
path = /config/voip/sipAccount3.cfg
Enable = %BWLINE-BINARY-4%
Label = %BWEXTENSION-4%
DisplayName = %BWCLID-4%
AuthName = %BWAUTHUSER-4%
UserName = %BWLINEPORT-4%
password = %BWAUTHPASSWORD-4%
SIPServerHost = %BWHOST-4%
SIPServerPort = 5060
UseOutboundProxy = %USE_SBC_BOOLEAN%
OutboundHost = %SBC_ADDRESS%
OutboundPort = %SBC_PORT%
Transport = %SIP_TRANSPORT%
AnonymousCall = 0
RejectAnonymousCall = 0
MissedCallLog = 1
AutoAnswer = 0
VoiceMail = %BWVOICE-PORTAL-NUMBER-4%
# # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # ## # # # # #
# #                      Account4 Function Settings                      # #
# # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # ## # # # # #
```

```
[ account ]
path = /config/voip/sipAccount3.cfg
ShareLine = %BWSHAREDLINE-BINARY-4%
conf-type = 2
conf-uri =%BWNETWORK-CONFERENCE-SIPURI-4%
[ blf ]
path = /config/voip/sipAccount3.cfg
SubscribePeriod = 1800
BLFList_URI = %BWBLF-URI-4%
[ Account3 ]
path = /config/Contacts/BroadSoft.cfg
DisplayName =
Server =
Port =
UserName =
PassWord =
###########################################
##                Account4 Feature Settings                ##
###########################################
[ AlwaysFWD ]
path = /config/Features/Forward.cfg
Enable = %BWCFA-BINARY-1%
Target =
On_Code = %BWFAC-CFA-ACTIVATE-1%
Off_Code = %BWFAC-CFA-DEACTIVATE-1%
[ BusyFWD ]
path = /config/Features/Forward.cfg
Enable =
Target =
On_Code = %BWFAC-CFB-ACTIVATE-1%
Off_Code = %BWFAC-CFB-DEACTIVATE-1%
[ TimeoutFWD ]
path = /config/Features/Forward.cfg
Enable =
Target =
Timeout =
On_Code = %BWFAC-CFNA-ACTIVATE-1%
Off_Code = %BWFAC-CFNA-ACTIVATE-1%
###########################################
##                        Account5                         ##
###########################################
[ account ]
path = /config/voip/sipAccount4.cfg
Enable = %BWLINE-BINARY-5%
```

```
Label = %BWEXTENSION-5%
DisplayName = %BWCLID-5%
AuthName = %BWAUTHUSER-5%
UserName = %BWLINEPORT-5%
password = %BWAUTHPASSWORD-5%
SIPServerHost = %BWHOST-5%
SIPServerPort = 5060
UseOutboundProxy = %USE_SBC_BOOLEAN%
OutboundHost = %SBC_ADDRESS%
OutboundPort = %SBC_PORT%
Transport = %SIP_TRANSPORT%
AnonymousCall = 0
RejectAnonymousCall = 0
MissedCallLog = 1
AutoAnswer = 0
VoiceMail = %BWVOICE-PORTAL-NUMBER-5%
###########################################
##                Account5 Function Settings                ##
###########################################
[ account ]
path = /config/voip/sipAccount4.cfg
ShareLine = %BWSHAREDLINE-BINARY-5%
conf-type = 2
conf-uri =%BWNETWORK-CONFERENCE-SIPURI-5%
[ blf ]
path = /config/voip/sipAccount4.cfg
SubscribePeriod = 1800
BLFList_URI = %BWBLF-URI-5%
[ Account4 ]
path = /config/Contacts/BroadSoft.cfg
DisplayName =
Server =
Port =
UserName =
PassWord =
###########################################
##                Account5 Feature Settings                ##
###########################################
[ AlwaysFWD ]
path = /config/Features/Forward.cfg
Enable = %BWCFA-BINARY-1%
Target =
On_Code = %BWFAC-CFA-ACTIVATE-1%
Off_Code = %BWFAC-CFA-DEACTIVATE-1%
```

```
[ BusyFWD ]
path = /config/Features/Forward.cfg
Enable =
Target =
On_Code = %BWFAC-CFB-ACTIVATE-1%
Off_Code = %BWFAC-CFB-DEACTIVATE-1%
[ TimeoutFWD ]
path = /config/Features/Forward.cfg
Enable =
Target =
Timeout =
On_Code = %BWFAC-CFNA-ACTIVATE-1%
Off_Code = %BWFAC-CFNA-ACTIVATE-1%
# # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # #
# #                    Account6 Registration Settings                    # #
# # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # #
[ account ]
path = /config/voip/sipAccount5.cfg
Enable = %BWLINE-BINARY-6%
Label = %BWEXTENSION-6%
DisplayName = %BWCLID-6%
AuthName = %BWAUTHUSER-6%
UserName = %BWLINEPORT-6%
password = %BWAUTHPASSWORD-6%
SIPServerHost = %BWHOST-6%
SIPServerPort = 5060
UseOutboundProxy = %USE_SBC_BOOLEAN%
OutboundHost = %SBC_ADDRESS%
OutboundPort = %SBC_PORT%
Transport = %SIP_TRANSPORT%
AnonymousCall = 0
RejectAnonymousCall = 0
MissedCallLog = 1
AutoAnswer = 0
VoiceMail = %BWVOICE-PORTAL-NUMBER-6%
[ Account5 ]
path = /config/Contacts/BroadSoft.cfg
DisplayName =
Server =
Port =
UserName =
PassWord =
# # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # #
# #                    Account6 Function Settings                    # #
```

```
# # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # ## # # # # # #
[ account ]
path = /config/voip/sipAccount5.cfg
ShareLine = %BWSHAREDLINE-BINARY-6%
conf-type = 2
conf-uri =%BWNETWORK-CONFERENCE-SIPURI-6%
[ blf ]
path = /config/voip/sipAccount5.cfg
SubscribePeriod = 1800
BLFList_URI = %BWBLF-URI-6%
# # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # ## # # # # # #
# #                         Account6 Feature Settings                        # #
# # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # ## # # # # # #
[ AlwaysFWD ]
path = /config/Features/Forward.cfg
Enable = %BWCFA-BINARY-6%
Target =
On_Code = %BWFAC-CFA-ACTIVATE-1%
Off_Code = %BWFAC-CFA-DEACTIVATE-1%
[ BusyFWD ]
path = /config/Features/Forward.cfg
Enable =
Target =
On_Code = %BWFAC-CFB-ACTIVATE-1%
Off_Code = %BWFAC-CFB-DEACTIVATE-1%
[ TimeoutFWD ]
path = /config/Features/Forward.cfg
Enable =
Target =
Timeout =
On_Code = %BWFAC-CFNA-ACTIVATE-1%
Off_Code = %BWFAC-CFNA-ACTIVATE-1%
# # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # ## # # # # # #
##                            Time Zone Settings                           # #
# # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # ## # # # # # #
[ Time ]
path = /config/Setting/Setting.cfg
TimeZone = %BWTIMEZONE-1%
TimeZoneName = %TIMEZONENAME%
```

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