



Deploy Yealink Phone with Broadworks DMS



WWW.YEALINK.COM

Document Revision History

Version	Change Log
1.0	Edited and published document.

Agenda

- ④ **Application Scenarios**
- ④ **Creating the Device Profile Type**
- ④ **Creating the Device Profile**
- ④ **Deploy Yealink phones**

Application Scenarios

Application Scenarios

The PPT provide information on:

- how to create the device profile type and define the device profile type files at the system level.
- how to create the device profile at the group level.
- how to deploy yealink phones with device profile.



Creating the Device Profile Type

Creating the Device Profile Type

Device profile types are the templates for device profiles. They can be created, modified and deleted at the system level. Creating device profile types are a crucial step in the initial planning and deployment. Device profile types should be defined in conjunction with the services being offered to the users. Device profile type can only be deleted when there is no any reference to the device profile type, for example, no device profile is associated with the device profile type.

To create a device profile type:

1. Click on [Resources->Identity/Device Profile Types](#).
2. Click [import](#)
3. Click [browse](#), and find your desired device CPE kit, then click [OK](#)

Notes:

You can download Device CPE kit from:
Broadsoft xchange or [Yealink website](#)

Creating the Device Profile Type-- 1



1. Click on Resources -> Identity/Device Profile Types.

System

Options:

[Profile](#)

► [Resources](#)

[Services](#)

[Call Center](#)

[Communication Barring](#)

[Meet-Me Conferencing](#)

[Utilities](#)

Resources

Basic

Carriers

Display all carriers in the system.

Identity/Device Endpoints

Display all identity/device endpoints in the system.

Identity/Device Profile Types

Add, modify or remove identity/device profile types in the system.

Identity/Device Profile Inventory

Display all identity/device profiles in the system.

Identity/Device Profiles

Add, modify or remove system level identity/device profiles in the system.

Domains

Display all domains in the system.

Numbers

Display all phone numbers in the system.

Numbers Usage

Show how phone numbers have been used by service providers and enterprises.

Creating the Device Profile Type-- 2



[System](#)

2. Click import

Options:

[Profile](#)

► [Resources](#)

[Services](#)

[Call Center](#)

[Communication Barring](#)

[Meet-Me Conferencing](#)

[Utilities](#)

Identity/Device Profile Types

Displays all the identity/device profile types defined in the system.

OK

Add

Import

Cancel

Enter search criteria below

Identity/Device Profile Type ▼

Starts With ▼

OK

Add

Import

Cancel

Creating the Device Profile Type-- 3



3. Click browse, and find your desired device CPE kit, then click OK

System

Options:

[Profile](#)

► [Resources](#)

[Services](#)

[Call Center](#)

[Communication Barring](#)

[Meet-Me Conferencing](#)

[Utilities](#)

Identity/Device Profile Type Import

Import a device type file as a new Identity/Device Profile Type.

OK

Cancel

Device Type File Upload

Upload File: C:\Users\y\0313\Desktop\yealinkT2xP_dm.DTA

浏览...

OK

Cancel

Creating the Device Profile Type-- success



System

Options:

[Profile](#)

► [Resources](#)

[Services](#)

[Call Center](#)

[Communication Barring](#)

[Meet-Me Conferencing](#)

[Utilities](#)

Identity/Device Profile Types

Displays all the identity/device profile types defined in the system.

Enter search criteria below

Identity/Device Profile Type ▲

Signaling Address Type

yealink	Intelligent Proxy Addressing
Yealink_W52P_test1	Intelligent Proxy Addressing
Yealink-T2xP_dm	Intelligent Proxy Addressing
Yealink T38G	Intelligent Proxy Addressing
Yealink-T38G-Mike	Intelligent Proxy Addressing
Yealink-T3xP_dm	Intelligent Proxy Addressing
Yealink T46G	Intelligent Device Addressing
yealink-test	Intelligent Proxy Addressing
yealink-test12	Intelligent Proxy Addressing
Yealink-TxP_dm	Intelligent Proxy Addressing
Yealink-TxP-Test_dm	Intelligent Proxy Addressing
Yealink-VPx_dm	Intelligent Proxy Addressing

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Creating the Device Profile

Creating the Device Profile

Device profiles represent the devices themselves. When a new device profile is created from a device profile type, it inherits a representation of the access and configuration profiles defined at the type level.

To create a device profile:

1. Click on [Resources->Identity/Device Profiles](#).
2. Click [Add](#).
3. Select the desired device profile type (e.g., Yealink T28P) from the pull-down list of [Identity/Device Profile Type](#).
4. Set the parameters

Creating the Device Profile--1

*** CLICK HERE TO ACCESS THE BROADSOFT INTERC
*** This system is running BroadWorks Release 18.S



Group

Options:

[Profile](#)

► [Resources](#)

[Services](#)

[Acct/Auth Codes](#)

[Call Center](#)

[Utilities](#)

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

Resources

Configuration

Identity/Device Endpoints

Display the identity/device endpoints assigned in the group.

Identity/Device Profiles

Add, modify, or remove identity/device profiles.

Domains

Display the list of domains assigned to your group.

Network Classes of Service

Display the list of Network Classes of Service assigned to your group.

Numbers

Display the list of phone numbers assigned to your group and assign those numbers to departments.

Services

Display the list of services and service packs authorized for your group.

Session Admission Control Capacity

Displays the maximum number of concurrent sessions you have been allocated.

Creating the Device Profile--2

*** CLICK HERE TO ACCESS THE BROADSOFT INTER
*** This system is running BroadWorks Release 18



2. Click Add.

Group

Options:

[Profile](#)

► [Resources](#)

[Services](#)

[Acct/Auth Codes](#)

[Call Center](#)

[Utilities](#)

Identity/Device Profiles

Add a new group identity/device profile or manage existing identity/device profiles.

OK

Add

Cancel

Enter search criteria below

Identity/Device Profile Name ▼

Starts With ▼

OK

Add

Cancel

Creating the Device Profile--3



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

Group

Options:

[Profile](#)

► [Resources](#)

[Services](#)

[Acct/Auth Codes](#)

[Call Center](#)

[Utilities](#)

Identity/Device Profile Add

Add a new group identity/device profile.

OK

Cancel

* Identity/Device Profile Name:

Identity/Device Profile Type: Yealink T28P

Protocol: SIP 2.0

Host Name/IP Address:

Port:

Transport: Unspecified

MAC Address:

Serial Number:

Description:

Outbound Proxy Server:

STUN Server:

Physical Location:

Authentication

Use Identity/Device Profile Type Credentials

Use Custom Credentials

* Device Access User Name:

* Device Access Password:

* Re-type Device Access Password:

OK

Cancel

Creating the Device Profile--4

4. Set the following parameters: and then **Click OK** to accept the change.

Parameter	Example Value	Description
Identity/Device Profile Name	yealinkT28	Defines the device profile name.
MAC Address	0015651137A0	Specifies the MAC address of the device (you can also leave this blank).
Authentication	Uses Custom Credentials	Specifies the authentication method.
Device Access User Name	admin	Specifies the user name.
Device Access Password	admin-password	Specifies the password.

Creating the Device Profile--success

You can search the file at [Resources->Identity/Device Profiles](#) page now
The result like the picture below:

Group Welcome [\[Logout\]](#)

Options:
[Profile](#)
► [Resources](#)
[Services](#)
[Acct/Auth Codes](#)
[Call Center](#)
[Utilities](#)

Identity/Device Profiles

Add a new group identity/device profile or manage existing identity/device profiles.

OK Add Cancel

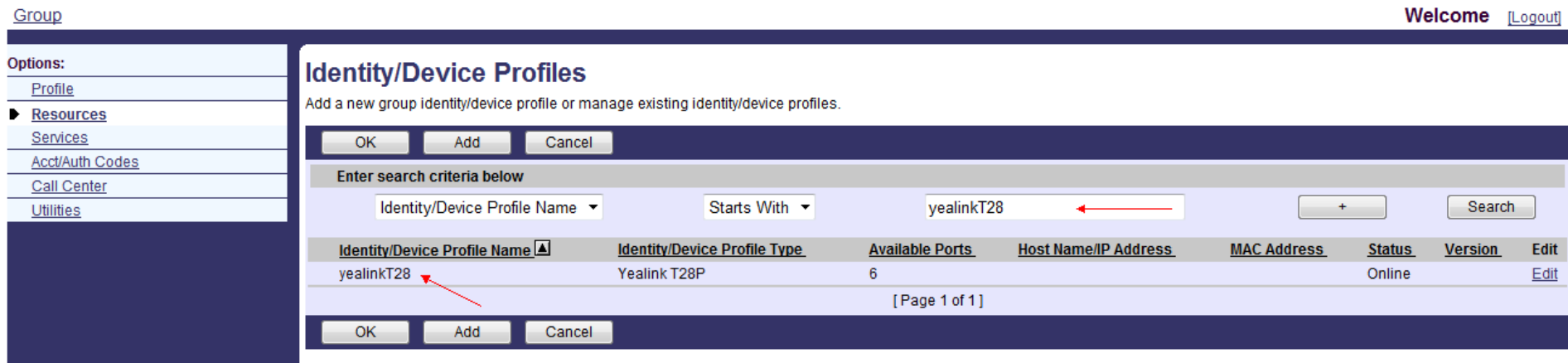
Enter search criteria below

Identity/Device Profile Name Starts With yealinkT28 + Search

<u>Identity/Device Profile Name</u>	<u>Identity/Device Profile Type</u>	<u>Available Ports</u>	<u>Host Name/IP Address</u>	<u>MAC Address</u>	<u>Status</u>	<u>Version</u>	<u>Edit</u>
yealinkT28	Yealink T28P	6			Online		Edit

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OK Add Cancel





Deploy yealink phones

Deploy Yealink phone

You have already created the Device Profile, now, you can Assigning the Device Profile to the User

To Assign the Device Profile to the User & Deploy yealink phone:

1. Click on **Profile->Users->Search** to list all existing users.
2. Select the desired user.
3. Click on **Addresses**.
4. Mark the **Identity/Device Profile** radio box.
5. In the **Identity/Device profile** block, select the created device profile (e.g., yealinkT28) from the pull-down list of **Identity/Device Profile Name**.
6. Enter the register's user name in the **Line/Port** field.
7. Select the domain name (e.g., as.iop1.broadworks.net) from the pull-down list following the @ sign.
8. Click **Apply** to accept the change.
9. Write the **provisioning URL** (Device Type URL) into yealink phone
10. Deploy yealink phone success

Deploy Yealink phone--1&2

- Options:
- Profile
 - Resources
 - Services
 - Acct/Auth Codes
 - Call Center
 - Utilities

Users Click on Profile->Users->Search to list all existing users.

Add a new user or manage existing users in your department or group.

OK Add Cancel

Enter search criteria below

User ID Starts With + Search

User ID ▲	Last Name	First Name	Phone Number	Extension	Department	In Trunk Group	Edit
2404982731	2404982731	2404982731					Edit
2404982732	2404982732	2404982732					Edit
2404982733	2404982733	2404982733	+1-2404982733	2733			Edit
2404982734	2404982734	2404982734	+1-2404982734	2734			Edit
2404982735	2404982735	2404982735	+1-2404982735	2735			Edit
2404982736	2404982736	2404982736					Edit
2404982737	2404982737	2404982737	+1-2404982737	2737			Edit
2404982738	2404982738	2404982738					Edit
2404982740	2404982740	2404982740		2740			Edit
Karas	Karas	Shi					Edit
LeeYingting	Lee	Yingting					Edit
Mike	Hou	Mike					Edit
Nevin	Yue	Yang	+1-2404982738	2738	market \ product		Edit
Samuel_T28	Samuel	Chen	+1-2404982736	2736			Edit
testuser1	test	user1					Edit
Yealink3_secondaryUser1	2404982731	2404982731	+1-2404982730	2730			Edit
Yealink3_secondaryUser2	2404982732	2404982732	+1-2404982732	2732			Edit

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OK Add Cancel

Deploy Yealink phone--3

Group > Users : Nevin

Options:

► [Profile](#)

[Incoming Calls](#)

[Outgoing Calls](#)

[Call Control](#)

[Client Applications](#)

[Messaging](#)

[Service Scripts](#)

[Utilities](#)

Profile [Click on Addresses.](#)

Basic

Profile

Display and configure profile information such as your name, department and address.

Addresses

Addresses allows you to view and maintain your phone numbers and other identities that are used to make and receive calls.

Passwords

Set web access and portal passwords.

Schedules

Add, modify, or remove schedules.

Deploy Yealink phone-- 4、5、6、7、8

Group > Users : Nevin

Options:

- Profile
 - Incoming Calls
 - Outgoing Calls
 - Call Control
 - Client Applications
 - Messaging
 - Service Scripts
 - Utilities

Addresses

Addresses allows you to view and maintain your phone number and other identities that are used to make and receive calls.

OK Apply Cancel

Phone Number: 2404982738 Activated

Extension: 2738

Identity/Device Profile Trunking None

Identity/Device Profile

Identity/Device Profile Name: yealinkT28 (Group)

* Line/Port: 2404982738 @ as.iop2.broadworks.net

Aliases: sip: Nevin@as.iop2.broadworks.net

sip: @ as.iop2.broadworks.net

sip: @ as.iop2.broadworks.net

sip: @ as.iop2.broadworks.net

OK Apply Cancel

Deploy Yealink phone-- Assigning the Device Profile to the User success

Group > Users : Nevin

Options:

- Profile
- Incoming Calls
- Outgoing Calls
- Call Control
- Client Applications
- Messaging
- Service Scripts
- Utilities

Addresses

Addresses allows you to view and maintain your phone number and other identities that are used to make and receive calls.

Saved

OK Apply Cancel

Phone Number: 2404982738 Activated

Extension: 2738

Identity/Device Profile Trunking None

Identity/Device Profile

Identity/Device Profile Name: yealinkT28 (Group)

[Configure Identity/Device Profile](#)

* Line/Port: 2404982738

@ as.iop2.broadworks.net

Aliases: sip: Nevin@as.iop2.broadworks.net

sip: @ as.iop2.broadworks.net

sip: @ as.iop2.broadworks.net

sip: @ as.iop2.broadworks.net

OK Apply Cancel

Deploy Yealink phone– 9.1

- Find the Device file you just created at [Resources->Identity/Device Profiles](#) page(e.g. yealinkT28), click the file, and click [Profile](#)
- Copy the [Device Type URL](#) like the picture below

[Group](#)

Options:

[Profile](#)

▶ [Resources](#) ←

[Services](#)

[Acct/Auth Codes](#)

[Call Center](#)

[Utilities](#)

Identity/Device Profile Modify ←

Modify or delete an existing group identity/device profile.

OK

Apply

Delete

Cancel

Profile

Users

Files

Custom Tags

Identity/Device Profile Name: yealinkT28 ←

Identity/Device Profile Type: Yealink T28P

Device Type URL: <http://xsp1.iop2.broadworks.net:80/dms/YealinkT28P/>

Deploy Yealink phone– 9.1

Notes:

There are three ways to Write the **provisioning URL** (Device Type URL) into yealink phone

- Yealink RPS
- DHCP option 66
- Manual

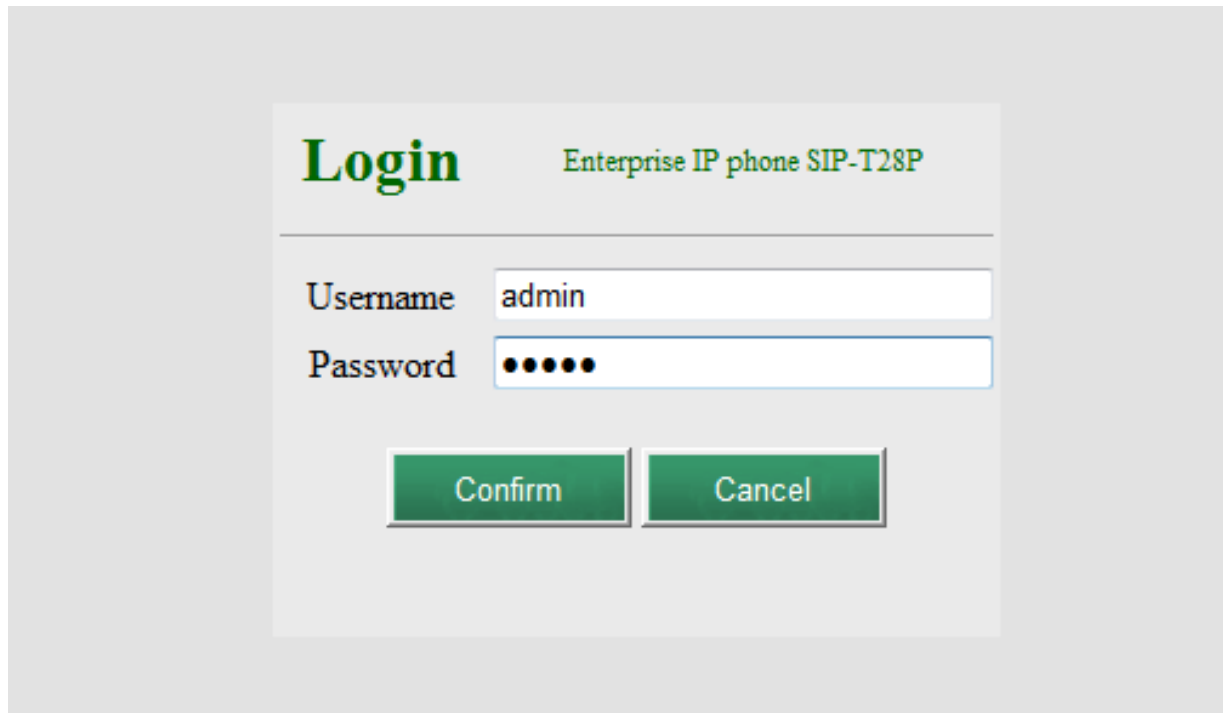
1.use phone's web site: settings>Auto provision>server URL

2.LCD menu: setting>advanced>Auto provision>server URL

3.Autop: [auto_provision.server.url](#) = in y0000000000000.cfg(for T28)

Deploy Yealink phone– 9.2

- Login the yealink phone's web site, default user name and password: admin
- You can see the phone's ip by press the phone's “ok” button



Login Enterprise IP phone SIP-T28P

Username

Password

Deploy Yealink phone– 9.3

- Click on: [Settings>Auto Provision](#)
- Enter the URL copied by [Deploy Yealink phone– 9.1](#)
- Enter the user name and password you set when you create the Device Profile:

Device Access User Name	admin	Specifies the user name.
Device Access Password	admin-password	Specifies the password.

- Click confirm button to save the change

Yealink | T28 Log Out

Settings | Status | Account | Network | DSSKey | Features | Directory | Security

Auto Provision

PNP Active On Off ?

DHCP Active On Off ?

Custom Option(128~254) ?

DHCP Option Value ?

Server URL ?

User Name ?

Password ?

Common AES Key ?

MAC-Oriented AES Key ?

Zero Active ?

Wait Time (0~100s) ?

Power On On Off ?

Repeatedly On Off

Interval (Minutes)

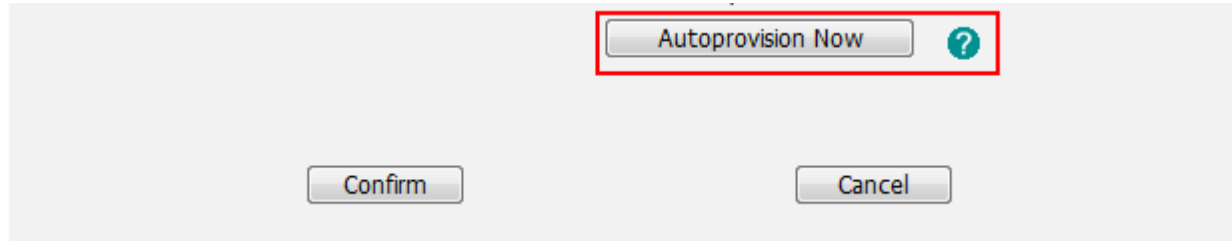
Weekly On Off

NOTE

Auto Provision
The auto provision parameters for administrator.

Deploy Yealink phone– 10

- You can click on Auto provision now to provision the phone immediately, the phone will download the cfg with DMS, the user “Nevin” will Assign to the phone, the Account number “2404982738” will display on the phone



- The phone will also auto provision by power on next time

Enjoy the Deployment😊