PTT Pro for Android and Profile Manager

Workcloud Communication

BlueFletch Integration Guide

ZEBRA

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Objective

This guide describes how to configure and deploy Workcloud Communication Profile Manager with the BlueFletch launcher.

The Profile Manager connects to Active Directory to authenticate the users when signing in to a client. BlueFletch authentication integrates with the Profile Manager. This guide describes the environment and configuration to support BlueFletch with Profile Manager.

Required Applications

For the latest version of Workcloud Communication applications, refer to the Workcloud Communication support page on zebra.com or speak to your Zebra representative.

- BlueFletch Enterprise Launcher
- BlueFletch Authentication module
- Workcloud Communication Profile Client
- PTT Pro for Android
- Enterprise Voice (optional)

BlueFletch Launcher Configuration

Install the BlueFletch Launcher and Authentication module. The launcher requires that a configuration file named `launcher.json` is saved to the mobile device.

For Android 10 and below, save `launcher.json` to the SD card.

```
/sdcard/Android/data/com.bluefletch.launcher/files/blueLauncher/launcher.json
```

This configuration file can be updated using an MDM or ADB. When the file is modified, the BlueFletch Launcher detects changes to the file and applies the changes.

For a complete list of configuration parameters, refer to the BlueFletch Documentation.

The following example `launcher.json` integrates with Workcloud Communication Profile Manager using Active Directory.

```
{
"configVersion": "ZebraValidation_2020.03.0.13",
"license":
"eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXVCJ9.eyJ0eXBlIjoiQUNUSVZFIiwib3Jn
SWQiOiI5NDFkNjIzZS05N2EzLTQ3MDAtYjQzZS04MzMyMjkxM2ZjOTQiLCJleHBpcm
UiOjI1MjQ1MjE2MDAwMDAsImV4cGlyZUR0IjoiMjA0OS0xMi0zMSIsImdlbmVyYXRl
ZER0IjoiMjAxOS0wOS0yNiIsImlhdCI6MTU2OTUxNzYwM30.s5Gc1HKhEaxXSGFqIg
fq3BJTGvJjLoqMHIx0lhd5dugJW8ApAW2D_ApjGSgjSlhZ53Enkow9dBB6bElsnqkT
6cKHfC-ruUzT25G5pw0UtCHSSjt4ILJLHiIL1oZ2I0DqgoT0UQnbxe7IdOaKSDgFK6
0Odnq0Q0GAxQbVPozsRsMVD3EH3CaWF7DzYQywD4tgtJf3bGjdt5YTTUHYAlpovRAc
Gy6c9nvwOZB5ubme-fiyG_v-udeusJsb9Tq_mgrIc-z1JlmhhwKnBT0bh_f6J7Ja0k
BfeHMCPJuwDhRiQFXLwN3rDditRA_qPoXrbw41kVJpDFI0wfMZEi4eyDGxPA",
"layouts":":{

"perfume": [
```

```
   {
      "package": "com.bluefletch.ems.auth",
      "activity": "AcsAuthActivity",
      "label": "Sign-in to PTT"
   },
   {
    "package": "com.zebra.dfs"
   },
   {
    "package": "com.symbol.wfc.pttpro"
   },
   {
    "package": "com.android.settings"
   },
   {
   "label": "BlueFletch",
   "url":"https://bluefletch.com",
   "icon":"/sdcard/Android/data/com.bluefletch.launcher/files/blueLauncher/
blueletch_logo.png      }
    ],
     "BlueFletch":[
    {
     "package": "com.microsoft.teams"
    },
    {
    "package": "com.microsoft.office.outlook
     },
     {
    "package": "com.android.settings"
     },
     {
    "label": "BlueFletch",
    "url": "https://bluefletch.com"
   "icon":"/sdcard/Android/data/com.bluefletch.launcher/files/blueLauncher/
blueletch_logo.png"
    },
    {
    "label": "Azure Portal",
    "url": "https://portal.azure.com"
    },
    }
   "*":[
     {
     "label": "Bluefletch",
      "url": "https://bluefletch.com",
"icon": "/sdcard/Android/data/com.bluefletch.launcher/files/blueLauncher/
blueletch_logo.png"
     }
     {
      "package": "com.bluefletch.ems.peoplecounter"
     },
     {
     "package": "com.cisco.anyconnect.vpn.android.avf"
     },
```

```
     {
     "package": "com.bluefletch.ems.support"
     },
     {
     "package": "com.bluefletch.ems.testwfcsimulator"
      }
   ]
 },
 "settings": {
 "idleTimeInMinutes": 480,
 "maxSessionTimeInMinutes": 480,
 "authBrokerService": true,
 "useSiteInfoService": true,
 "defaultLocation": "No Location Set",
 "disallowLoggedInSiteChange": true,
 "clearAppDataOnLogout": true,
 "clearAppDataIncludeList": "com.bluefletch.ems.browser",
 "clearAppDataExcludeList": "com.android.chrome, com.zebra.dfs,
 com.symbol.wfc.pttpro,com.symbol.wfc.voice",
 "authProfileManager": true,
 "enableNfcTapLogin": true
 },
"auth_oauth2": {
 "client_id": "com.bluefletch.ems.auth",
 "redirect_url": "com.bluefletch.launcher:/callback",
 "baseUrl": "https://adfs.xxx.com",
 "authorize_url": "",
 "token_url": "",
 "logout_url": "",
 "scopes": "openid email profile offline_access groups",
 "claim_userId": "preferred_username",
 "claim_username": "commonname",
 "claim_groups": "memberof"
  },
 "emsSupportTool": {
  "orgId": "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxx"
   },
 "theme": {
  "enable": "true",
  "darkTheme": true,
  "background": "",
  "accentColor": "#007db7",
  "logo": "/sdcard/Android/data/com.bluefletch.launcher/files/blueLauncher/
blueletch.png",
  "wallpaperImage": "topology",
  "duoToneWhite": "#444444",
  "duoToneBlack": "#242424",
  "blurRadius": 0,
  "blurPasses": 0
   },
   "intents": {
   "boot": [],
   "login": [
    {
```

```
  "class":
"com.bluefletch.ems.baseauth.common.profilemanager.AcsAuthActivity",
  "flags": 1,
  "package": "com.bluefletch.ems.auth",
  "typeIntent": "a"
   }
   ],
  "logout": [
      {
   "class":
"com.bluefletch.ems.baseauth.common.profilemanager.AcsLogoutActivity",
   "flags": 1,
   "package": "com.bluefletch.ems.auth",
   "typeIntent": "a"
   }
   ],
   "uncradle": [],
   "cradle": [],
   "screenOn": []
   },
  "extendedAttributes" : {
   },
  "customField_old" : {
    "format" : "${config.ex.phone_extension}",
    "source" : [
    {
   "pathfile": "/sdcard/Download/extension_dept.txt",
   "regex": "Ext=(.*)",
   "name": "Extension"
   },
   {
   "pathfile": "/sdcard/Download/extension_dept.txt",
   "regex": "Dept=(.*)",
   "name": "Department"
   }
   ]
   },
   "customField": {
   "format" : "${config.ex.phone_extension}"
   }
```

Device Location

The BlueFletch Launcher can determine a device's store/site based on its location, IP range, or access point MAC addresses. The example CSV below, `sitelist.csv`, should be saved to the following location on the device:

```
/sdcard/Android/data/com.bluefletch.launcher/files/blueLauncher/sitelist.csv
```

If you use a `sitelist.csv` file, ensure that the `launcher.json` includes:

```
 "settings":{
```

```
 …
"useSiteInfoService" : true,
 …
  }
```

For additional information on using the `sitelist.csv`, refer to the BlueFletch Documentation.

Example CSV Data

A	B	C	D	E	F	G
siteid	sitename	latitude	longtitude	iprange	subnet	apmacaddress
1001	ATL	33.7707005	-84.3672268			
2001	LGA	34.159579	-84.239605			
3001	EWR	34.167373	-84.330806			
4001	LAX	34.073189	-84.293763			
5001	IAD	34.073189	-84.293763			

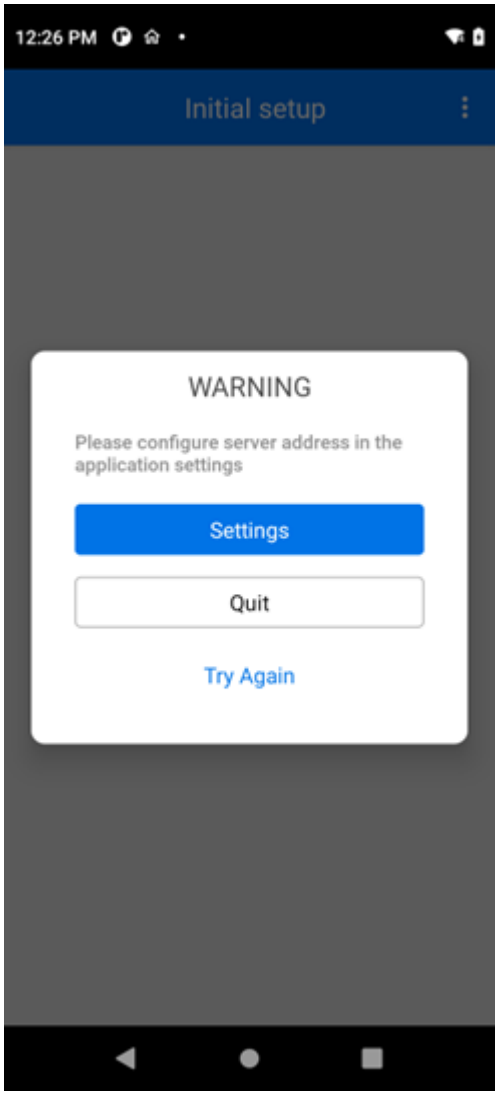
Configure the Profile Client

Configure the Workcloud Communication Profile Client with your customer ID and the server URL. Contact your Zebra representative for your customer ID and the server URL.

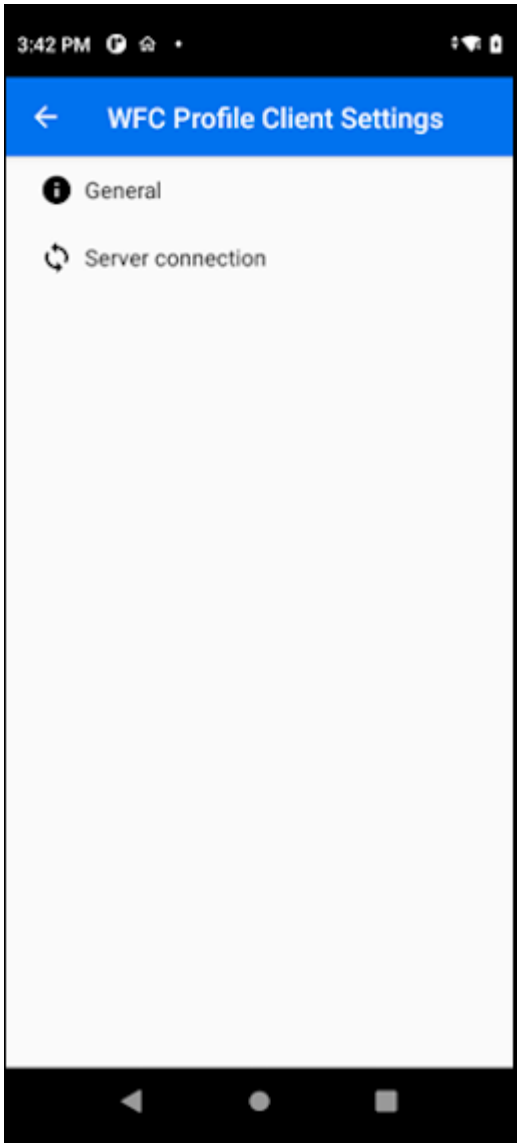
NOTE: The Profile Client configuration can be automated and configured using a JSON file that is pushed from an MDM.

1. Open the Profile Client.

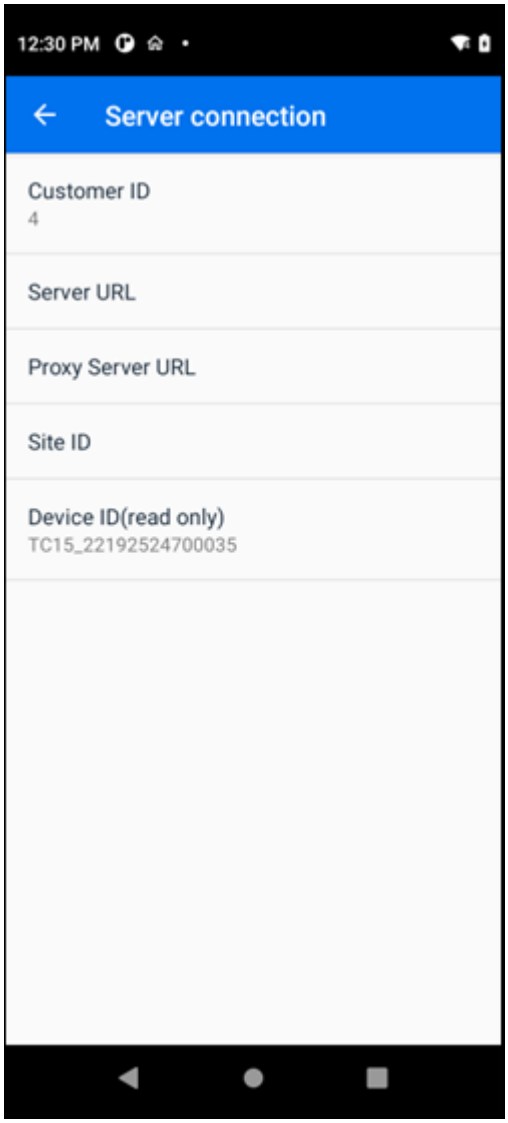
2. In the **Warning** screen, tap **Settings**.



3. Tap **Server connection**.



4. Enter your **Customer ID**.



5. Enter the **Server URL**.

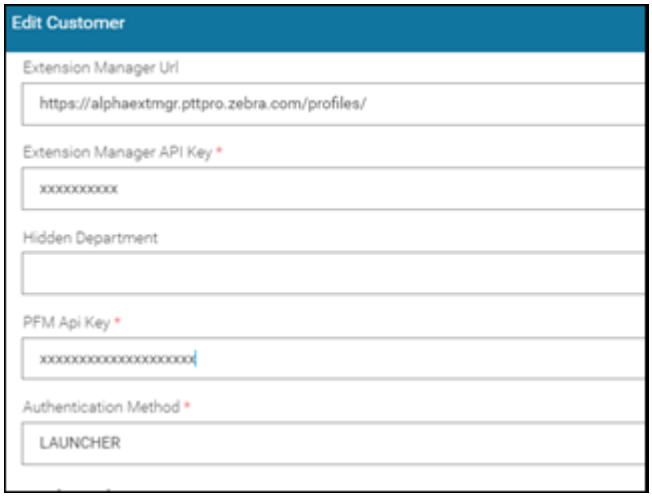
   The **Device ID** field displays the model and serial number of the device.

6. Save the **Settings** by tapping the device's back button.
7. Close the application.

Profile Manager Tenant Configuration

A Zebra administrator configures Workcloud Communication Profile Manager to use the BlueFletch Launcher.

- Select **Edit Customer** and choose LAUNCHER from the **Authentication Method** menu.



Creating a Relying Party Trust on the ADFS 2016 Server

PTT Pro for Android and Workcloud Communication Profile Manager require establishing a trusted relationship with the customer's Active Directory Federation Service (ADFS).

Refer to the AD/ADFS Integration Guide for PTT Pro and Profile Manager guide to create a relying party trust.

Revision History

Changes to the guide are listed below:

Change	Date	Description
MN-004925-01EN Rev A	January 2024	Initial Version