



**EC SDk**

**6.1.T2**

## **Demo Guide(Windows)**

**Issue      01**

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# 1 Introduction

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“CloudEC\_Client\_API\_Demo\_Windows” fit to CloudEC 6.1 solution, base on Terminal SDK, provides basic service implementation samples for third-party applications.

Developers can customize interfaces based on the samples to develop their own special services.

# 2 Quick Experience

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## 2.1 Applying for a Service Account

### Use Huawei eSDK RemoteLab Environment

For details on how to schedule and use RemoteLab, see the [Operating Instructions for RemoteLab](#), Obtain the service server address and service account information.

### Use the partner's own test or production environment

Contact to your environment administrator to obtain service server address and service account information.

## 2.2 Development Environment Preparation

### Development tools

- Visual Studio 12.0 and above version.

### SDK software package

- Access <http://developer.huawei.com>, obtain eSDK EC API V6.1.RC1 Windows\_C.

eSDK EC API V6.1.RC1 Windows\_C

下载

### Demo Source code

- Access <https://github.com/Huawei>, obtain “eSDK\_CloudEC\_Overall\_Demo\_Windows”。

## 2.3 SDK Import

**Step 1** Unzip the downloaded eSDK EC API V6.1.RC1 Windows\_C package to disk:

名称	修改日期	类型
dll	2018/1/31 15:16	文件夹
include	2018/1/31 15:16	文件夹
lib	2018/1/31 15:16	文件夹

**Step 2** Unzip the downloaded Demo source code and copy it to the working directory:

名称	修改日期	类型	大小
APP_UI	2018/6/9 11:17	文件夹	
SDK	2018/6/9 11:17	文件夹	
Service	2018/6/9 11:17	文件夹	
Copy_resource.bat	2018/6/9 11:17	Windows 批处理...	3 KB
EC_SDK_Demo_vs2012.sln	2018/6/9 11:17	Microsoft Visual...	2 KB
EC_SDK_Demo_vs2015.sln	2018/6/9 11:17	Microsoft Visual...	2 KB
readme.txt	2018/6/9 11:17	TXT 文件	1 KB

**Step 3** Copy the“Step 1”unpacked package to the “SDK”folder:

名称	修改日期	类型
dll	2018/5/9 13:59	文件夹
include	2018/5/9 14:18	文件夹
lib	2018/5/9 13:59	文件夹
readme.txt	2018/6/8 9:21	TXT 文件

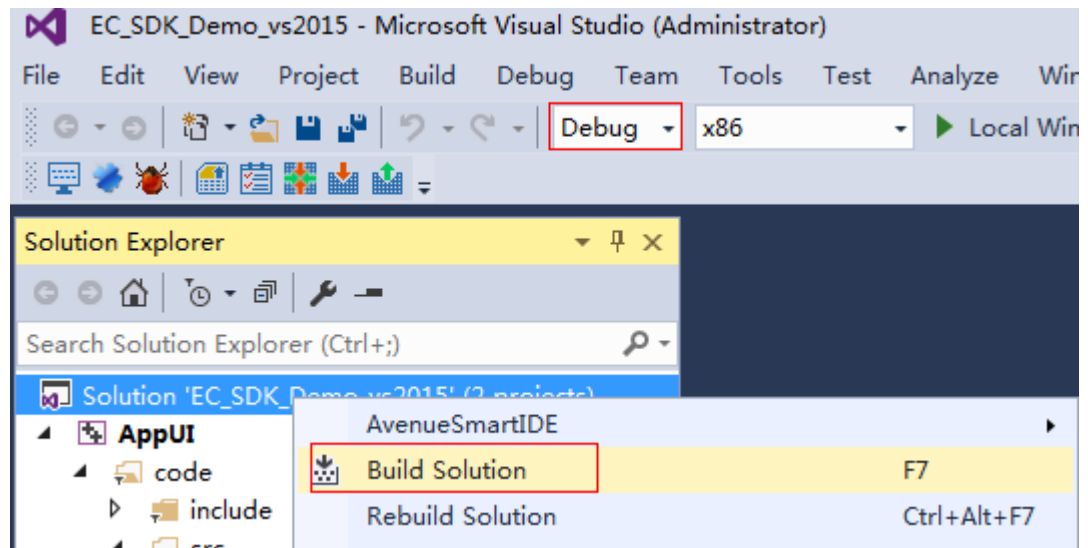
**Step 4** 点击“Copy\_resource.bat”，自动将audio、face、image中的内容拷贝到Bin\_vs2012的Debug和Release、Bin\_vs2015的Debug和Release目录中。

----End

## 2.4 Debug Run Demo

**Step 1** Open EC\_SDK\_Demo\_vs2012.sln or EC\_SDK\_Demo\_vs2015.sln.

**Step 2** Click F7,Build Solution.



**Step 3** If the failure is 0, build success.

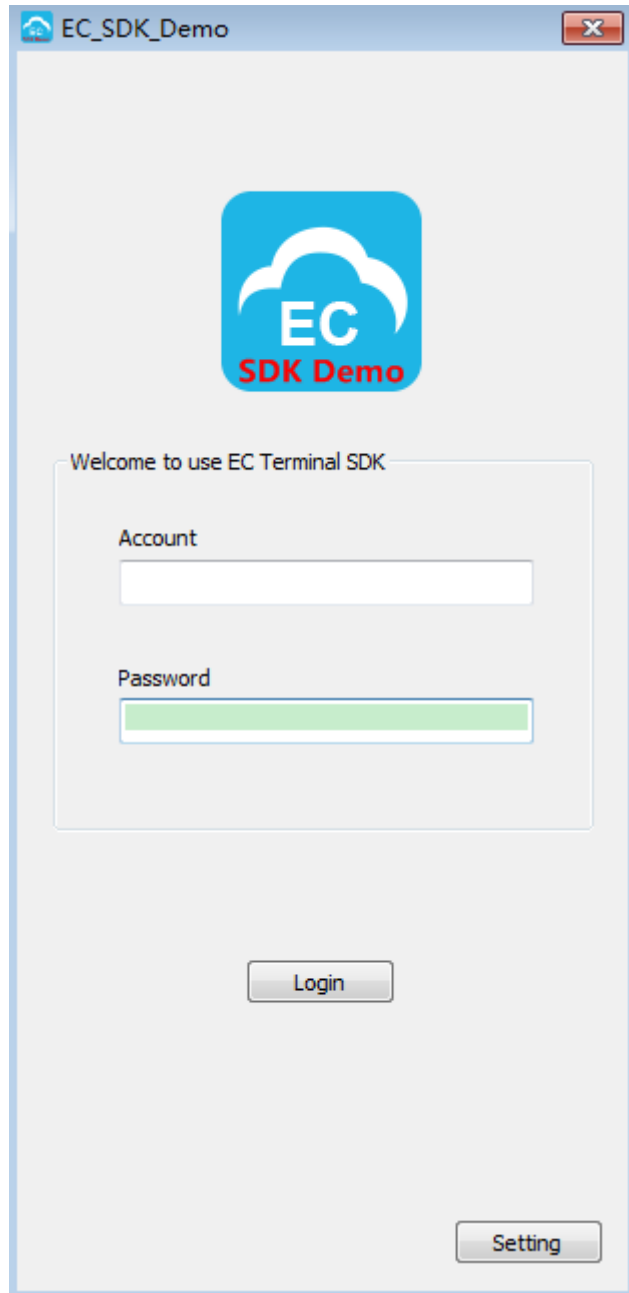
```
1> APP_UI.vcxproj -> D:\eSdk_EC\ec\ec_demo\client\source\native_sdk\High-Level_Demo\ec\Windows_bak\A
===== Build: 2 succeeded, 0 failed, 0 up-to-date, 0 skipped =====
```

**Step 4** Copy "SDK\dll" to "Bin\_vs2012\Debug".

名称	修改日期	类型	大小
AppUI	2018/6/9 11:44	文件夹	
driver	2018/6/7 20:17	文件夹	
Service	2018/6/9 11:41	文件夹	
ACEu.6.2.4.dll	2016/11/21 14:27	应用程序扩展	1,284 KB
EC_SDK_Demo_vs2012.exe	2018/6/9 11:44	应用程序	764 KB
EC_SDK_Demo_vs2012.ilc	2018/6/9 11:44	Incremental Link...	3,751 KB
EC_SDK_Demo_vs2012.pdb	2018/6/9 11:44	Program Debug...	7,931 KB
fillp.dll	2018/3/19 23:03	应用程序扩展	224 KB
HME_Codec_AMR.dll	2018/1/22 14:58	应用程序扩展	311 KB
HME_Codec_AMRWB.dll	2018/1/22 14:58	应用程序扩展	223 KB
HME_Codec_G722.dll	2018/1/22 14:58	应用程序扩展	115 KB
HME_Codec_G729.dll	2018/1/22 14:58	应用程序扩展	142 KB
HME_Codec_iLBC.dll	2018/3/19 22:44	应用程序扩展	154 KB
HME_Codec_OPUS.dll	2018/1/22 14:58	应用程序扩展	285 KB
HME_Srtp_ALG.dll	2018/3/19 22:44	应用程序扩展	388 KB
HME_Video.dll	2018/4/2 22:31	应用程序扩展	3,199 KB
HME_Video_H263D.dll	2018/3/7 21:00	应用程序扩展	200 KB
HME_Video_H263E.dll	2018/3/7 21:00	应用程序扩展	227 KB
HME_Video_H264D.dll	2018/3/7 21:00	应用程序扩展	318 KB
HME_Video_H264E.dll	2018/3/8 17:10	应用程序扩展	560 KB
HME_Video_Srtp_ALG.dll	2018/4/2 22:31	应用程序扩展	388 KB
HME-Audio.dll	2018/3/19 22:44	应用程序扩展	922 KB
KMC.dll	2017/5/16 15:46	应用程序扩展	84 KB
libipsi_crypto.dll	2018/3/18 13:11	应用程序扩展	608 KB
libipsi_osal.dll	2018/3/18 13:11	应用程序扩展	29 KB
libipsi_pse.dll	2018/3/18 13:11	应用程序扩展	939 KB
libipsi_ssl.dll	2018/3/18 13:11	应用程序扩展	679 KB
libmceay32.dll	2017/12/18 22:58	应用程序扩展	1,185 KB
libssleay32.dll	2017/12/18 22:58	应用程序扩展	273 KB
libtup_crypto32.dll	2017/12/19 11:38	应用程序扩展	1,239 KB

**Step 5** Click F5,login interface.





----End

# 3 Demo Code Framework

## 3.1 Folder Structure

Figure 3-1 folder structure

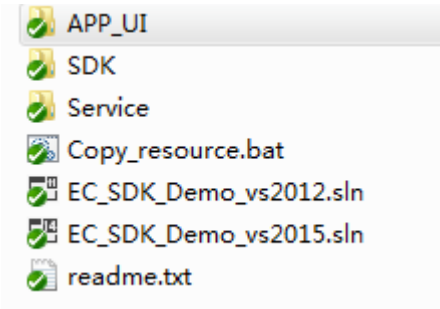
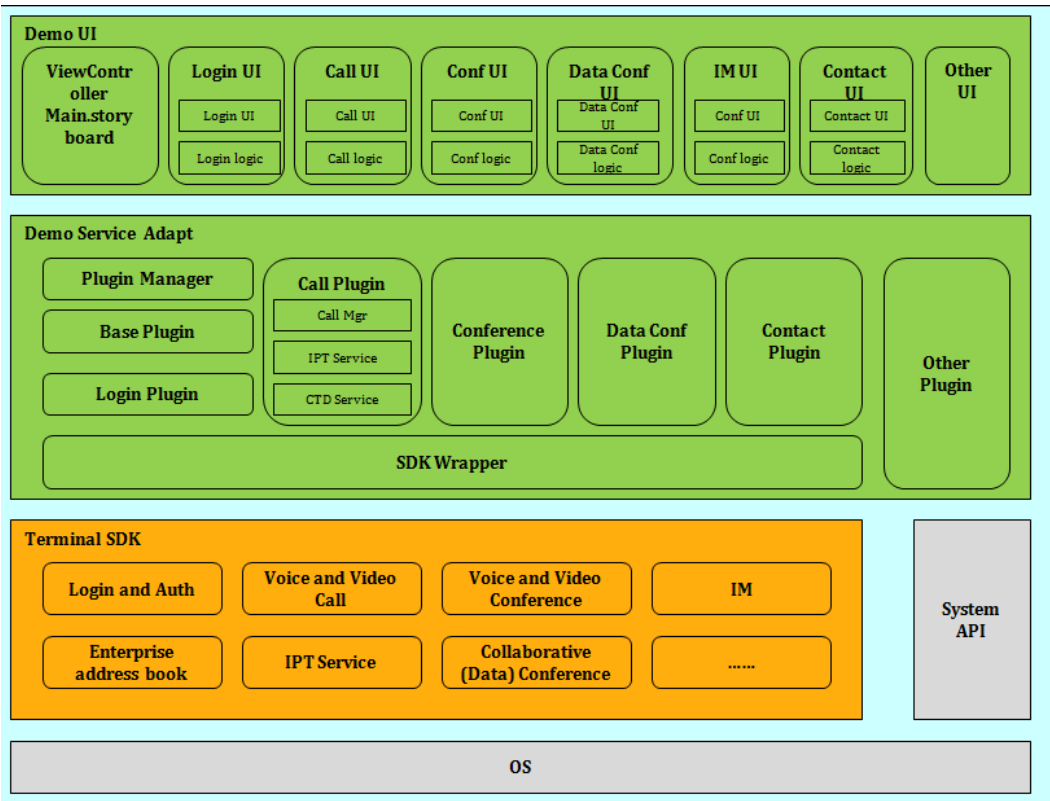


Table 3-1 folder description

Folder	Description
APP_UI	Demo interface program、code and resource.
SDK	SDK
Service	Demo Service program、code and resource.

### 3.2 Logic Framework



# 4 Demo Function List

## 4.1 Supporting CloudEC Function

Table 4-1

Authentication and Login	normal login	Y	Y
	ticket authentication login	Y	N
	logout	Y	Y
Voice Call	voice Call Setup	Y	Y
	end/cancel/reject call	Y	Y
	accept voice call	Y	Y
	set(or cancel) mute mic	Y	Y
	send DTMF signal	Y	Y
Video Call	video call setup	Y	Y
	end/cancel/reject call	Y	Y
	accept video call	Y	Y
	switch voice call to a video call	Y	Y
	switch video call to a voice call	Y	Y

	accept or reject switch voice call to a video call	Y	Y
	open local video preview	Y	N
	close local video preview	Y	N
	open or close local camera	Y	Y
Device management	switch mic	Y	N
	switch speak	Y	Y
	switch camera	Y	Y
	set call volume	Y	Y
Hold&Unhold	hold and unhold voice call	Y	Y
	hold and unhold video call	Y	Y
Divert	call divert	Y	Y
Transfer	blind transfer	Y	Y
Regist IPT service	regist or deregist call wait	Y	Y
	regist or deregist DND	Y	Y
	regist or deregist forward	Y	Y
CTD	set up CTD call	Y	N
Conference management	book conference	Y	Y
	query conference list	Y	Y
	query conference details	Y	Y
Basic conference control	create instant conference	Y	Y
	get conference info	Y	Y
	invite attendee	Y	Y
	delete attendee	Y	Y

	end conference	Y	Y
	leave conference	Y	Y
	mute conference	Y	Y
	mute attendee	Y	Y
	lock conference	Y	Y
	release chairman	Y	Y
	request chairman	Y	Y
	prolong conference	Y	Y
	set or cancel hand up	Y	Y
	display speaker	Y	Y
	join a conference from the conference list	Y	N
	join conference by an access code	Y	Y
	IVR join conference	Y	Y
Progressive Conference	Two-Party Call-to-Conference Conversion	Y	Y
	upgrade conference	Y	Y
Base control	join data conference	Y	Y
	leave data conference	Y	Y
	end data conference	Y	Y
Video	base video control	Y	Y
	watch video	Y	Y
	set video param	Y	Y
Desktop Sharing	watch desktop sharing	Y	Y
Application Sharing	watch application sharing	Y	N
Document	watch document sharing	Y	N

Whiteboard	watch white board sharing	Y	N
Annotation	watch annotation	Y	N

# 5 FAQ

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NA



# 6 Change History

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Publish Date	Document Version	Revise Declare
2018-05-31	01	Cooperate 6.1.0 version(at present only fit to convergent meeting network), document first published.