APIFONICA

Overview of Apifonica SDKs

APIFONICA

VOICE API

Incorporate enterprise-grade voice calling features into any app

TALK TO SALES

Using Apifonica Client:

Easily use Apifonica APIs in the programming language . Download and install helpers for iOS, Android, Node.js.

- Web SDK
- iOS Mobile SDK
- Android Mobile SDK

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PRODUCTS

Ready to integrate into your web, mobile, or desktop app

Web SDK

This Web SDK provides an easy way to use Apifonica service with REST APIs, to rent numbers, to create XML, and do other common server-side programming tasks. The Web SDK consists of two parts: the server-side path and the Web Phone demo project.

| Server-side packet | Web Phone (VoIP) |

iOS Mobile SDK

iOS SDKs enable you to rent phone number, make VoIP phone calls, receive push notification message.
Get started with the SDK you need.

| CallOut VoIP | Apache Cordova plugin with native VoIP | Push Notification service |

Android Mobile SDK

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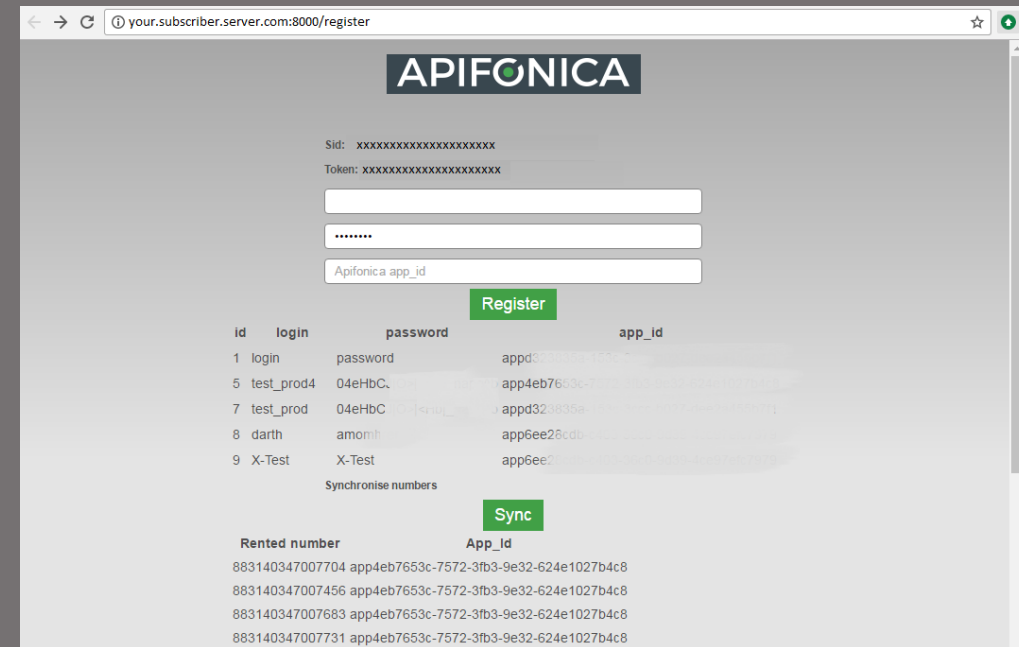| Server-side packet | Web Phone (VoIP) |

Overview

The server-side path of Web SDK uses for monitoring and connection between Mobile (iOS/Android), WebPhone devices and Apifonica service.

Requirements:
* npm installation
* Node.js
* MySQL or PostgreSQL

Features:
* Server management and its interaction with Mobile SDK apps and Apifonica server;
* Monitoring of the rented phone numbers;
* Monitoring Incomming/OutGoing Calls via XML scenarios;
* Synchronize the rented numbers stored on the your server-side with rented numbers stored in your Apifonica account.

your.subscriber.server.com:8000/register

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Sid: xxxxxxxxxxxxxxxxxxxxx
Token: xxxxxxxxxxxxxxxxxxxxx

Apifonica app_id

Register

id	login	password	app_id
1	login	password	appd...
5	test_prod4	04eHbC.	app4eb76...
7	test_prod	04eHbC	appd32...
8	darth	amomh	app6ee28...
9	X-Test	X-Test	app6ee...

Synchronise numbers

Sync

Rented number	App_Id
883140347007704	app4eb7653c-7572-3fb3-9e32-624e1027b4c8
883140347007456	app4eb7653c-7572-3fb3-9e32-624e1027b4c8
883140347007683	app4eb7653c-7572-3fb3-9e32-624e1027b4c8
883140347007731	app4eb7653c-7572-3fb3-9e32-624e1027b4c8

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Architecture

1) Your app initiates communications with your server via REST APIs for rent number and requests a Capability (JWT) Token

2) Your app talks with Apifonica to register with it's services and make/receive VoIP connections

3) Apifonica talks with your server to get XML or your server initiates communications with Apifonica via REST APIs for rent number
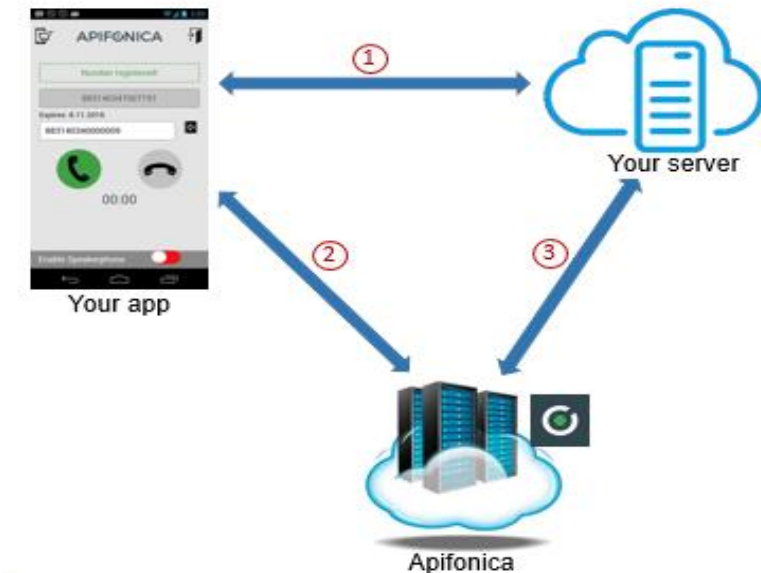
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Server-side packet | Web Phone (VoIP)

Overview

The Web Phone packet is demo project which it contains functions to rent phone number, make VoIP phone calls in the customer web browser on the base of WebRTC.

Requirements:
* npm installation
* Node.js
* MySQL or PostgreSQL

Features:
* Rent of phone number;
* Supports incoming/outgoing VoIP calls on the base of WebRTC service;
* Audio connection with audio codecs (OPUS/G722/G711(u/a-law)/SHA-256);
* Supports Google Chrome, Firefox Mozilla, Safari browsers.
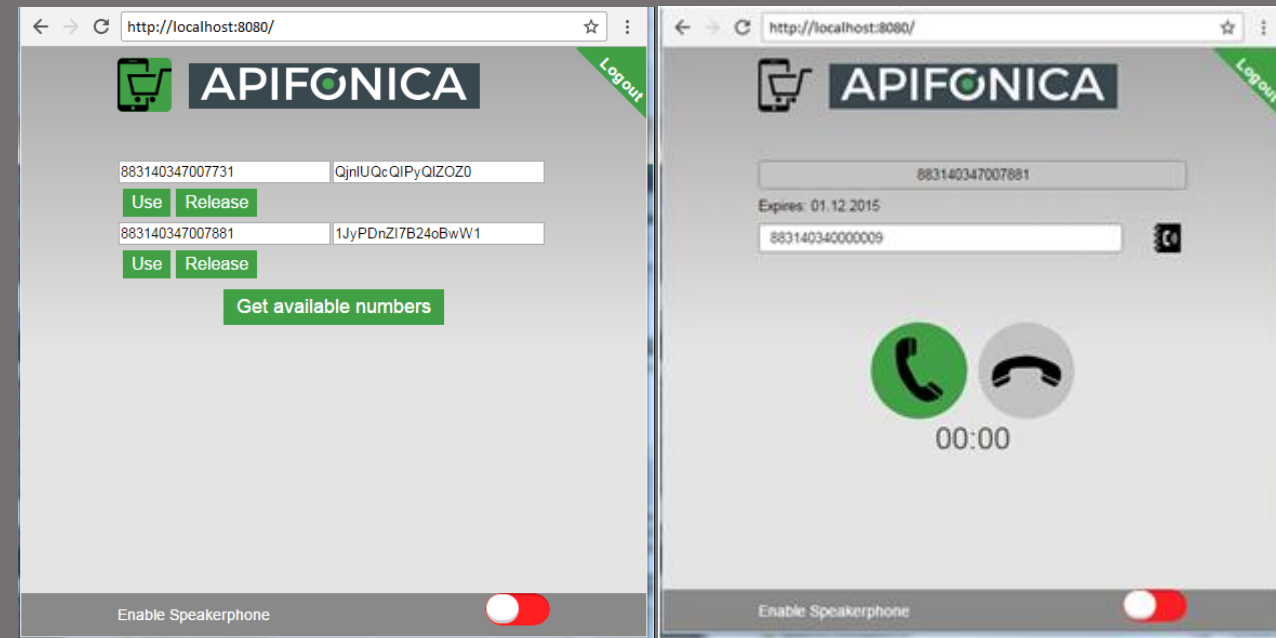
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iOS Mobile SDK

iOS SDKs enable you to rent phone number, make VoIP phone calls. Get started with the SDK you need.

| CallOut VoIP | Apache Cordova plugin with native VoIP | Push Notification service |

Overview

CallOut is a test application designed to show Apifonica API and Mobile SDK capabilities of VoIP service provisioning that could be added to client mobile applications.
The CallOut application can be installed on iPhone or iPad devices specified by the customers. The CallOut app demonstrates renting a phone number with "SIP" type. The application allows to make outgoing calls and to receive incoming calls. It is necessary that the iPhone device has access to 3G/4G/LTE network and/or to Wi-Fi.

Requirements:
* Xcode 5 or higher
* iPhone 4 or higher
* iPad 2 or higher.

Features:
* Wi-Fi and 3G/4G/LTE connections
* Service with rent of phone number
* Incoming/outgoing VoIP audio sessions
* Audio connection with audio codecs (OPUS/SILK/speex/GSM/iLBC/G722/G711(u/a-law)).
* Supports background mode.

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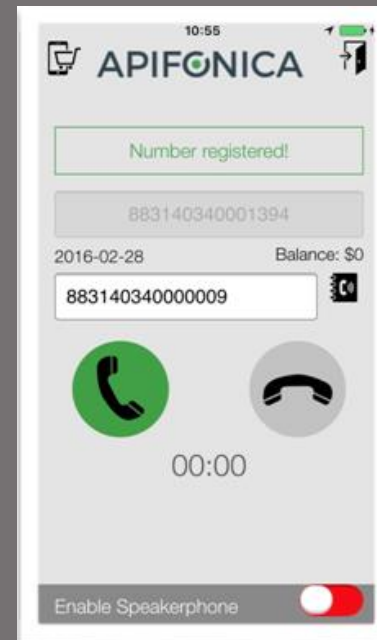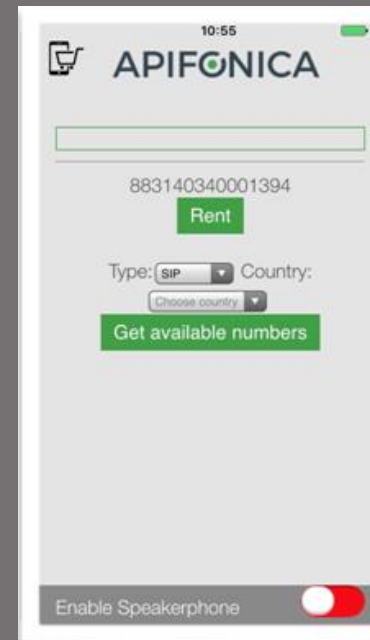| CallOut VoIP | Apache Cordova plugin with native VoIP | Push Notification service |

Overview

HelloApifonica is a test application designed to show Apifonica VoIP service capabilities by means of Apache Cordoba plugin and Apifonica Mobile SDK. This test application demonstrates the VoIP functionality that could be added to client mobile applications developed by using the WebView (HTML/JavaScript) system component. The application is tested by making calls between the allocated SIP numbers by using the HelloApifonica app. It is necessary that the your device has access to 3G/4G/LTE network and/or to Wi-Fi.

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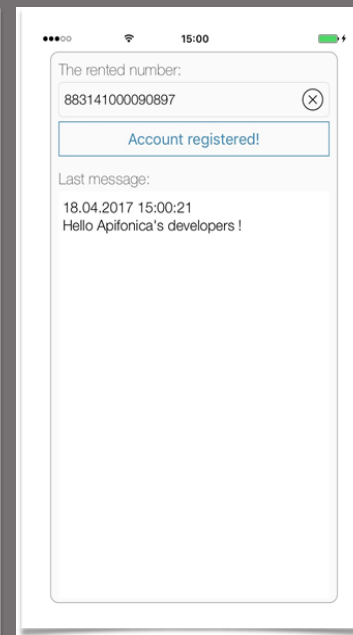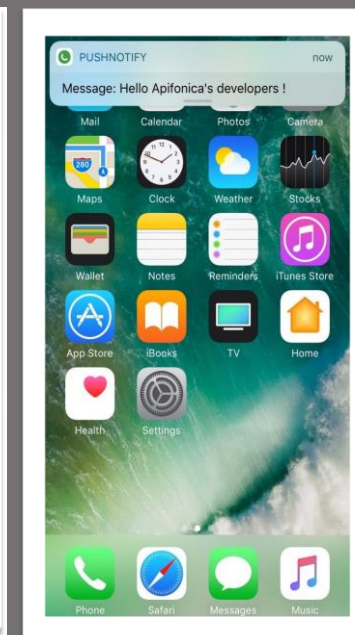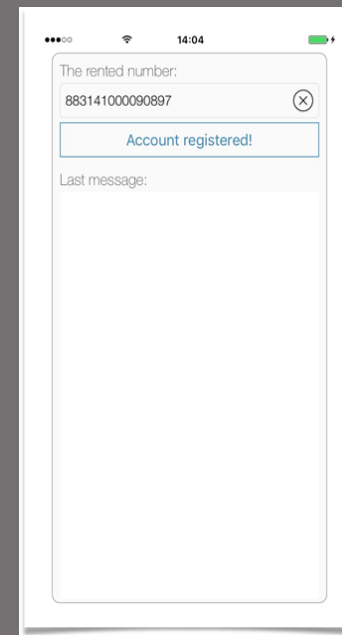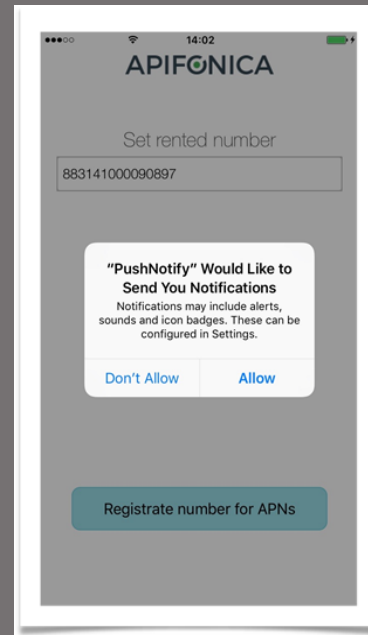| CallOut VoIP | Apache Cordova plugin with native VoIP | Push Notification service |

Overview

PushNotify is a test application designed to show interaction between Apple Push Notification service, Server-side SDK and Apifonica server. The test project also demonstrates authorization process of rented number with device-token for APNs service and shows how to receive push notification message.

Requirements:
* Xcode 5 or higher
* iPhone 4 or higher
* iPad 2 or higher.

Features:
* Supports Apple APNs or Apple Voip Service of Push Notification
* Easy integration in target app

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PRODUCTS

Ready to integrate into your web, mobile, or desktop app

Android Mobile SDK

Android SDKs enable you to rent phone number, make VoIP phone calls. Get started with the SDK you need.

| CallOut VoIP | Apache Cordova plugin with native VoIP | Push Notification service |

Overview

CallOut is a test application designed to show Apifonica API and Mobile SDK capabilities of VoIP service provisioning that could be added to client mobile applications.
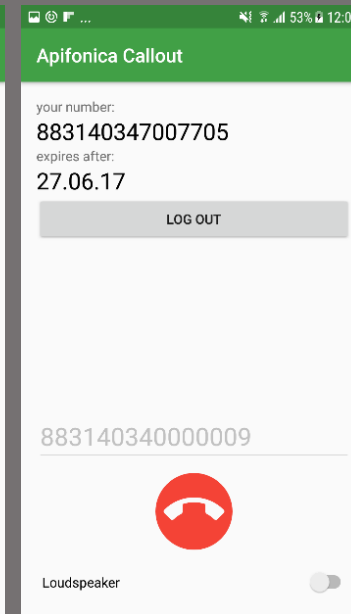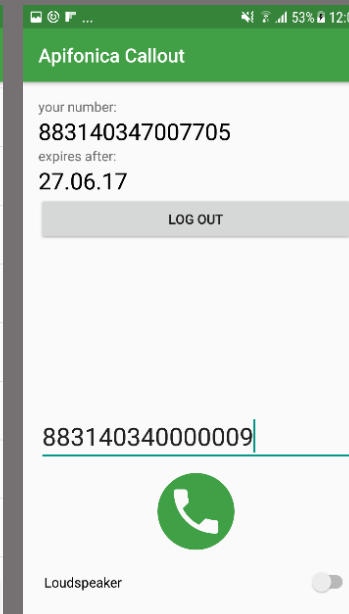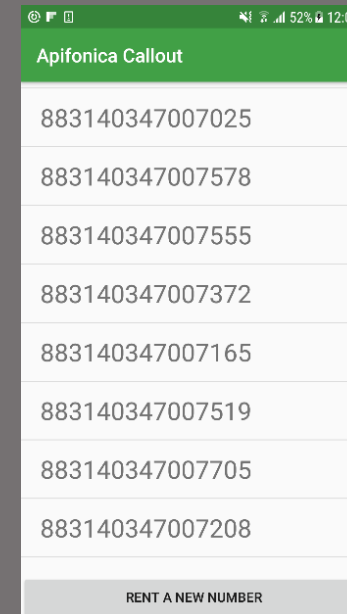The CallOut application can be installed on Android devices specified by the customers. The CallOut app demonstrates renting a phone number with "SIP' type. The application allows to make outgoing calls and to receive incoming calls. It is necessary that the Android device has access to 3G/4G/LTE network and/or to Wi-Fi.

Requirements:
* Android SDK
* Android Studio IDE 1.0 or higher

Features:
* Wi-Fi and 3G/4G/LTE connections
* Service with rent of phone number
* Incoming/outgoing VoIP audio sessions
* Audio connection with audio codecs (OPUS/SILK/speex/GSM/iLBC/G722/G711(u/a-law)).
* Supports background mode.

Apifonica Callout

883140347007025
883140347007578
883140347007555
883140347007372
883140347007165
883140347007519
883140347007705
883140347007208

RENT A NEW NUMBER

Apifonica Callout

your number:
883140347007705
expires after:
27.06.17

LOG OUT

883140340000009

Loudspeaker

Apifonica Callout

your number:
883140347007705
expires after:
27.06.17

LOG OUT

883140340000009

Loudspeaker

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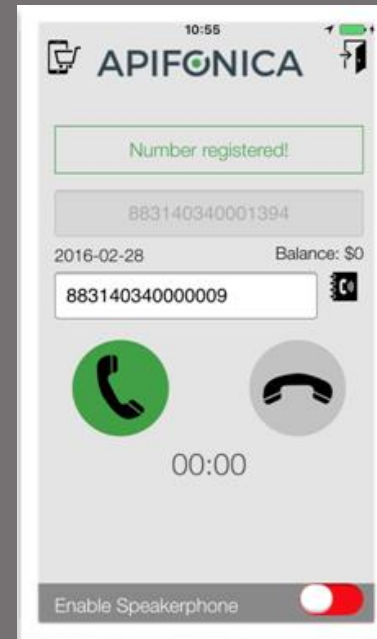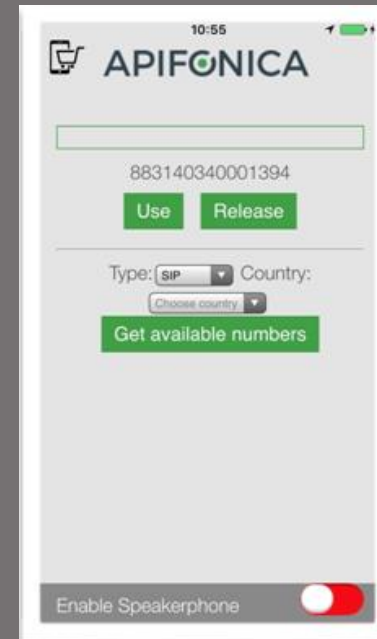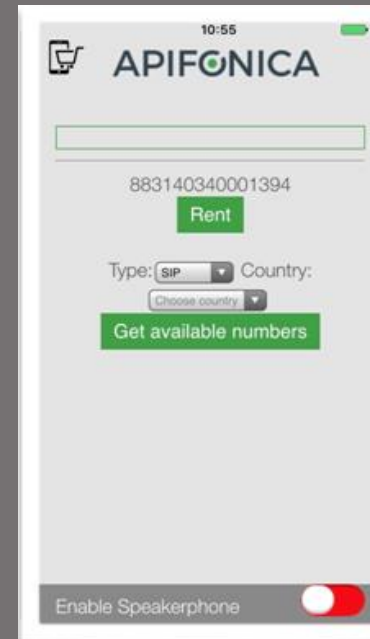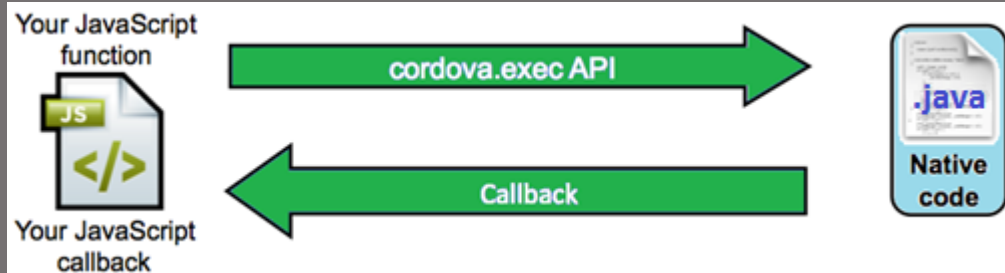
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Overview

PushNotify is a test application designed to show interaction between Google Firebase clould messaging (FCM) service, Server-side SDK and Apifonica server. The test project also demonstrates authorization process of rented number with device-token for FCM service and shows how to receive push notification message with FCM service.

Requirements:
* The last version of Android Studio.
* To configure your App project with a Firebase Consolle.

Features:
* Wi-Fi and 3G/4G/LTE connections
* Service with rent of phone number
* Incoming/outgoing VoIP audio sessions
* Easy integration in target app

Apifonica PushNotify   📶 100% 🔋 15:54

883140347007336

883140347007007

883140347007145

883140347007148

883140347007344

883140347007954

883140347007371

883140347007511

RENT A NEW NUMBER

Apifonica PushNotify   📶 100% 🔋 16:03

your number:
883140347007954
expires after:
28/06/2017

LOG OUT

Last message:

Push token was registrated successfully !

Apifonica PushNotify   📶 100% 🔋 15:59

your number:
883140347007954
expires after:
28/06/2017

LOG OUT

Last message:
2017.06.27 15:59:09
test 01

Got message:
2017.06.27 15:59:09
test 01

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Thank you for attention

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