**Implementation of push notification using cordova**

Date : 20th March 2014

How to implement push notification using cordova ?

I have implemented push notification for android with

cordova : version 3.3.0-rc.1,

Mobile : Nexus 4

Implementation on client app :

step 1) create new project on cloud.google.com/console/project and enable Google Cloud Messaging Service.

Note down the project ID eg. 941079637736 in my case -- used in client side.

Note down api-key =" AIzaSyDdgcgIC67vDRtAjmeB37tnw6BlsS\_neqc" which is used by our local php server.

step 2) create new cordova project, build and run it.

cordova create SimplePushNotificationCordova

cd SimplePushNotificationCordova

cordova platform add android

cordova build android

cordova run android

step 3)open following github link

https://github.com/phonegap-build/PushPlugin

navigate to cordova project and use

cordova plugin add https://github.com/phonegap-build/PushPlugin.git

step 4) open SimplePushNotificationCordova/www/index.html

edit

<p class="event received" onClick="init();">Register Device </p>

and add following functions

function init(){

alert("Calling function to register mobile device on GCM");

window.plugins.pushNotification.register(

successHandler,

errorHandler,

{"senderID":"941079637736",

"ecb":"onNotificationGCM"

});

}

function successHandler(result){

alert("Result" + result);

}

function errorHandler(error){

alert("error"+ result);

}

function onNotificationGCM(e){

alert("Message : " + e.event );

switch(e.event){

case 'registered':

alert("ID: " + e.regid);

sendRequest(e.regid);

alert("Successfully Registered");

break;

case 'message':

alert("Message: "+ e.payload.message);

var sound = new Media("assets/www/"+e.soundname);

sound.play();

break;

default:

alert("unknown event");

}

}

//use to send registration ID returned by GCM to our local php server

//regID should be save in our local database so that we can use regID and api-key from google to sent request to GCM

//from php server in mycase.

function sendRequest(regID){

alert("sending request ..");

$.post("http://192.168.1.70/phpgcmserver/register.php",

{

regID:regID,

name:"jitendra",

email:"jiten.ktm@gmail.com"

});

}

step 5) Inside project directory

SimplePushNotificationCordova> cordova run android

(NOTE:

Push Notification cannot be tested in emulator.

Cordova does not provide built-in api for push notification that's why, we are using plugin which have java code beneath it.

Do not forget to check if internet is working in mobile device,internet should be working.

Make sure localhost is wokring, http://192.168.1.70/phpgcmserver/register.php in my case.

)

step 6) Develop server app in php to store regID and send request to GCM.

public function send\_notification($registatoin\_ids, $message) {

// include config

define("DB\_HOST","localhost");

define("DB\_USER","root");

define("DB\_PASSWORD","12345");

define("DB\_DATABASE","gcm");

define("GOOGLE\_API\_KEY","AIzaSyDdgcgIC67vDRtAjmeB37tnw6BlsS\_neqc");

define("SENDER\_ID","941079637736");

// Set POST variables

$url = 'https://android.googleapis.com/gcm/send';

$fields = array(

'registration\_ids' => $registatoin\_ids,

'data' => $message,

);

$headers = array(

'Authorization: key=' . GOOGLE\_API\_KEY,

'Content-Type: application/json',

);

// Open connection

$ch = curl\_init();

// Set the url, number of POST vars, POST data

curl\_setopt($ch, CURLOPT\_URL, $url);

curl\_setopt($ch, CURLOPT\_POST, true);

curl\_setopt($ch, CURLOPT\_HTTPHEADER, $headers);

curl\_setopt($ch, CURLOPT\_RETURNTRANSFER, true);

// Disabling SSL Certificate support temporarly

curl\_setopt($ch, CURLOPT\_SSL\_VERIFYPEER, false);

curl\_setopt($ch, CURLOPT\_POSTFIELDS, json\_encode($fields));

echo 'json request = ' . json\_encode($fields);

// Execute post

$result = curl\_exec($ch);

if ($result === FALSE) {

die('Curl failed: ' . curl\_error($ch));

}

// Close connection

curl\_close($ch);

echo 'GCM result = '.$result;

}

step 6) After you have runed the app click "Regiseter device" in mobile app which will show alert messages and finally you should get

"Successfully Registered" message which means client app works.

step 7) call function in step 6 with regID stored in database with any message you want to send.You will get notification on you mobile device.

(Again make sure internet is working in you mobile device.)

Its working !!!!