

Apple Push Network (APN) sending

iOS Device

Enable push notifications

```
- (BOOL)application:(UIApplication *)application didFinishLaunchingWithOptions:(NSDictionary *)launchOptions
{
    // Delay for splash screen
    [NSThread sleepForTimeInterval:2.0];

    // Enable push notification
    [[UIApplication sharedApplication] registerForRemoteNotificationTypes:
    (UIRemoteNotificationTypeBadge | UIRemoteNotificationTypeSound | UIRemoteNotificationTypeAlert)];
}
```

Send device token

```
- (NSString*)DeviceToken:(NSString*) originalToken
{
    // NSString* newToken = @"<AA BB CC DD EE FF>";

    NSString* newToken = [originalToken
    stringByTrimmingCharactersInSet:[NSCharacterSet characterSetWithCharactersInString:@"<>"]];

    newToken = [newToken stringByReplacingOccurrencesOfString:@" " withString:@""];

    newToken = [@"DeviceToken=" stringByAppendingString:newToken];

    return newToken;
}

- (void)sendMessageToHost:(NSString*) token
{
    NSLog(@"Starting token request");

    NSMutableURLRequest *postRequest =

    [NSMutableURLRequest requestWithURL:[NSURL URLWithString:@"http://192.168.1.161:8080/PostReceiver/NewSe
rvicelet"]];

    // Set the request's content type to application/x-www-form-urlencoded
    [postRequest setValue:@"application/x-www-form-urlencoded" forHTTPHeaderField:@"Content-Type"];

    // Designate the request a POST request and specify its body data
    [postRequest setHTTPMethod:@"POST"];

    [postRequest setHTTPBody:[NSData dataWithBytes:[token UTF8String] length:[token length]]];
}
```

```

    NSURLResponse *response;

    NSError *err;

    [NSURLConnection sendSynchronousRequest:postRequest returningResponse:&response error:&err];

    NSLog(@"Finished request: %ld", (long)[response statusCode] );

}

- (void)application:(UIApplication*)application
didRegisterForRemoteNotificationsWithDeviceToken:(NSData*)deviceToken
{
    // Code Marc

    NSString* token = [self DeviceToken:[deviceToken description]];

    // NSLog(@"My token is: %@", token);

    [self sendMessageToHost:token];

}

```

EJB Server

processRequest.java

```

protected void processRequest(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
    response.setContentType("text/html;charset=UTF-8");
    PrintWriter out = response.getWriter();
    try {
        LOG.log(Level.WARNING, "processRequest executed");
        LOG.log(Level.WARNING, "Method = {0}", request.getMethod());
        LOG.log(Level.WARNING, "DeviceToken = {0}", request.getParameter("DeviceToken")); // Store device token here
    } catch (Exception ex) {
        LOG.log(Level.SEVERE, null, ex);
    }
    out.println("<html>");
}

```

Sender.java

```

import javapns.Push;
import javapns.communication.exceptions.CommunicationException;
import javapns.communication.exceptions.KeystoreException;

List<String> deviceList = ...

try {
    URL url = Thread.currentThread().getContextClassLoader().getResource("Kies-Enschede.p12");
    String keyfile = url.getFile();
    Push.combined(msg, -1, "default", keyfile, "test", false, deviceList);
} catch (CommunicationException ex) {
    Logger.getLogger(APNSSender.class.getName()).log(Level.SEVERE, null, ex);
} catch (KeystoreException ex) {
    Logger.getLogger(APNSSender.class.getName()).log(Level.SEVERE, null, ex);
}
}

```

pom.xml

```
<dependency>
<groupId>com.googlecode.javapns</groupId>
<artifactId>javapns</artifactId>
<version>2.2</version>
</dependency>

<repository>
<id>id</id>
<url>http://maven.kungfuters.org/content/groups/public/</url>
</repository>
```

Further:

Get a push notification keypair for development and production.

Further reference:

[Ray Wenderlich example](#)