

Tallinn University

Institute of Informatics

INSTALLATION & SETUP MANUAL

LEPLANNER

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Tallinn 2015

Installation & setup manual

This document describes how to run the project on a Windows based operating system. This manual was made on Windows 7 (32-bit) using an user with administrator rights.

Table of contents

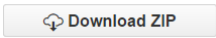
1	Needed tools.....	2
2	Installing	2
2.1	Downloading the code files	2
2.2	<i>Installing Bower.....</i>	3
2.3	Changing the “Hosts” files	5
2.4	Prepare the config.js file	6
2.5	Installing nginx:.....	7
2.6	Configuring nginx:.....	8
2.7	Installing nodemon:.....	9
3	Running.....	9
3.1	Starting the nginx server	9
3.2	Running Node.js	9

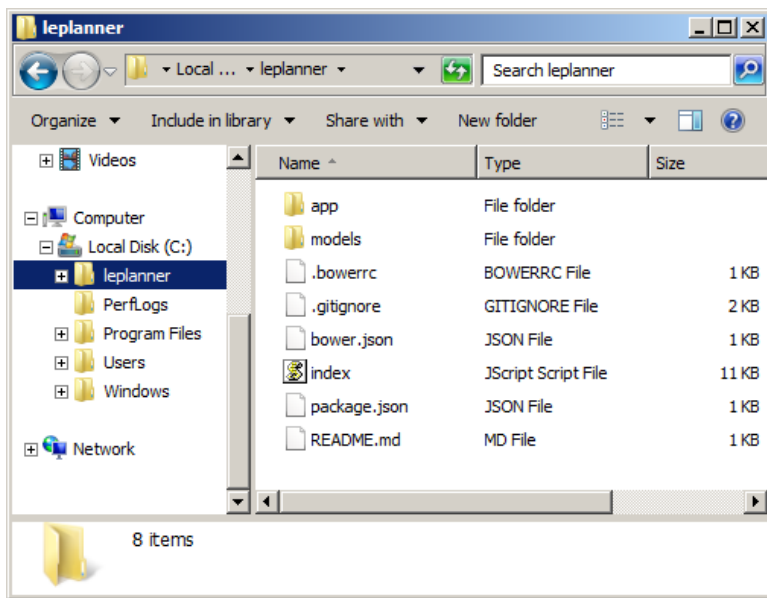
1 Needed tools

1. Node.js
2. Git Bash
3. Nginx server
4. Nodemon

2 Installing

2.1 Downloading the code files

1. Go to the website with the necessary data files: <https://github.com/ktenman/LePlanner>
 - a. Download all files by clicking this button: 
 - b. Unzip „LePlanner-master“ to a folder on a local computer C:\leplanner\

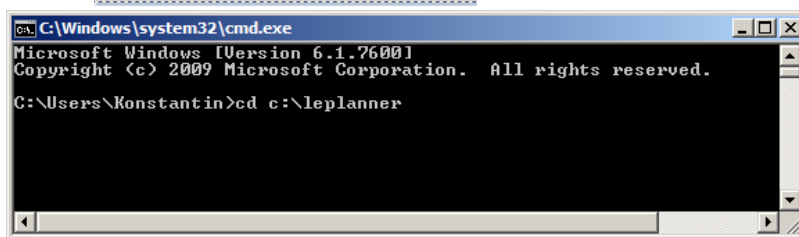
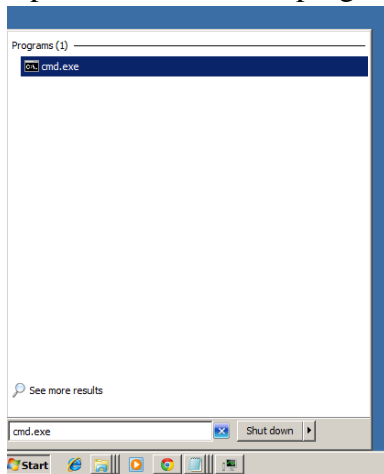


2. Download and install *nodejs* 32-bit version from here:

<https://nodejs.org/download/>

3. *Installing node-modules*

a. Open a command line program: `cmd.exe` and navigate to the folder: `cd c:\leplanner`

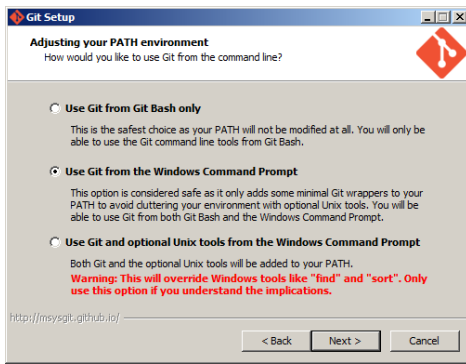


b. To install, enter this command: `npm install`

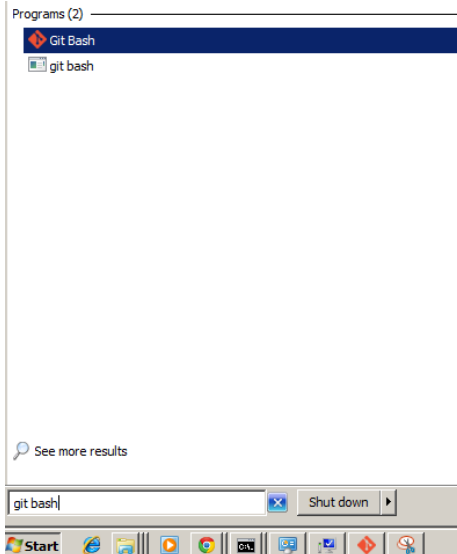
c. To install, enter another command: `npm install -g bower`

2.2 *Installing Bower*

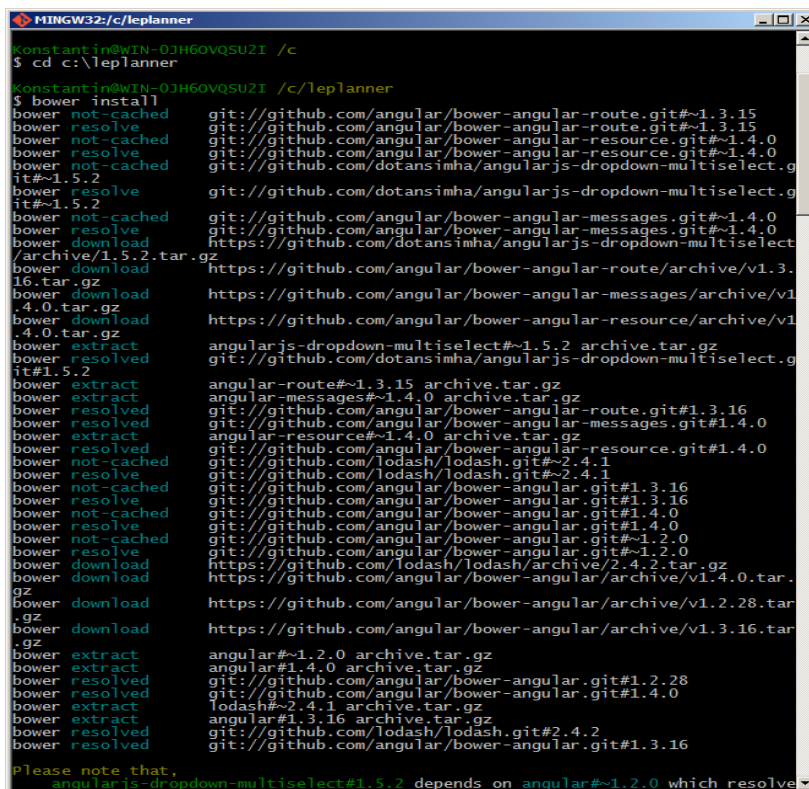
- Download *Git Bash* client for *Windows* here: <https://msysgit.github.io/>
- Install accordingly to your needs, but in one window set it like this:



- Run Git Bash



- Navigate to the working folder: `cd c:\leplanner`
- Run command: `bower install`

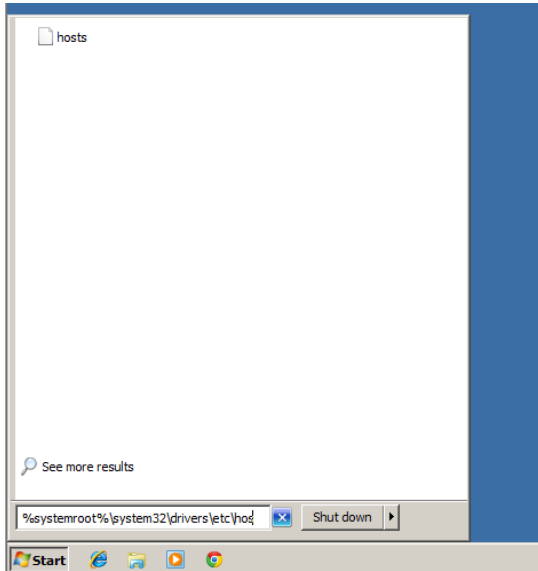


2.3 Changing the “Hosts” files

1. You need to write to hosts file: 127.0.0.1 leplanner.eu

1.1 Write this command to the Start Menu search:

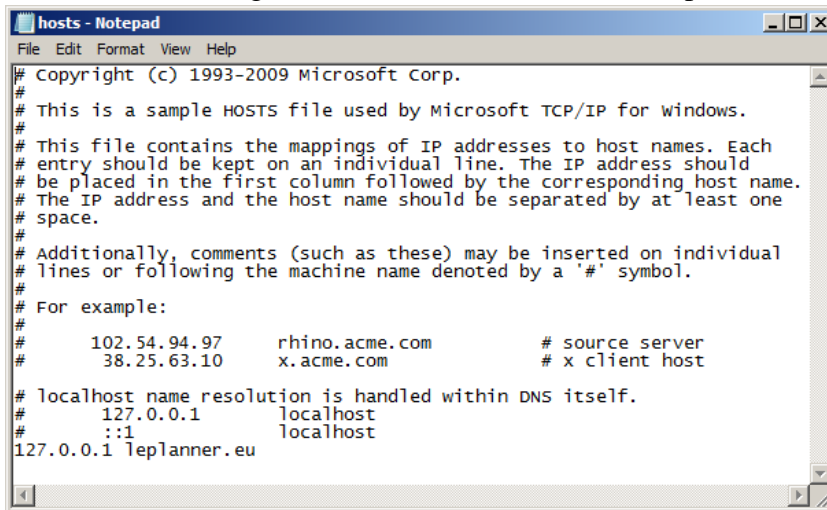
notepad %systemroot%\system32\drivers\etc\hosts



or run the “hosts” file with Notepad using this command on the Windows Explorer address bar:

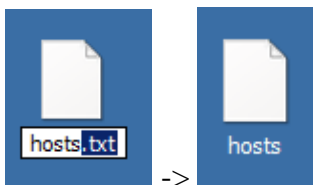
%systemroot%\system32\drivers\etc\hosts

- 1.2. Write the following line to the end of the file on a separate row: 127.0.0.1 leplanner.eu



- 1.3. Save the file to the Desktop.

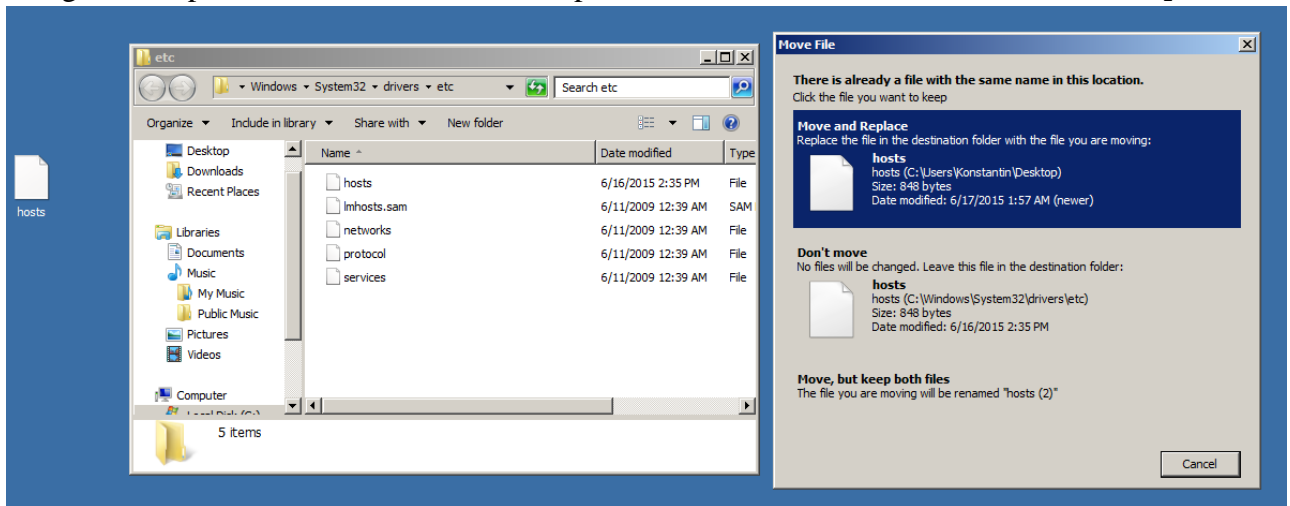
- 1.4. Delete the “.txt” extension:



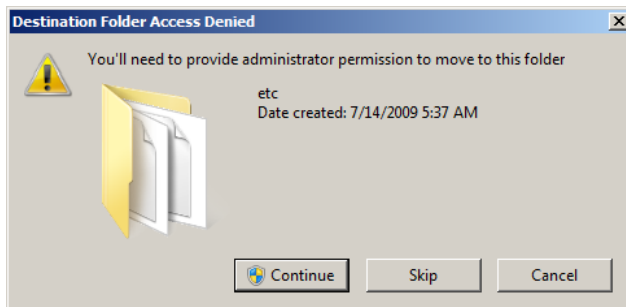
- 1.5. Navigate back to the folder where “hosts” file is located:

%systemroot%\system32\drivers\etc\

1.6. Drag-and-drop the hosts file from Desktop to etc folder and choose "Move and Replace":

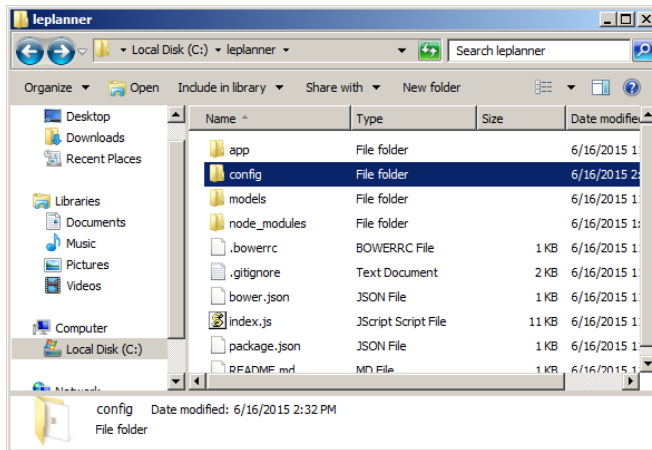


1.7. Press the Continue button

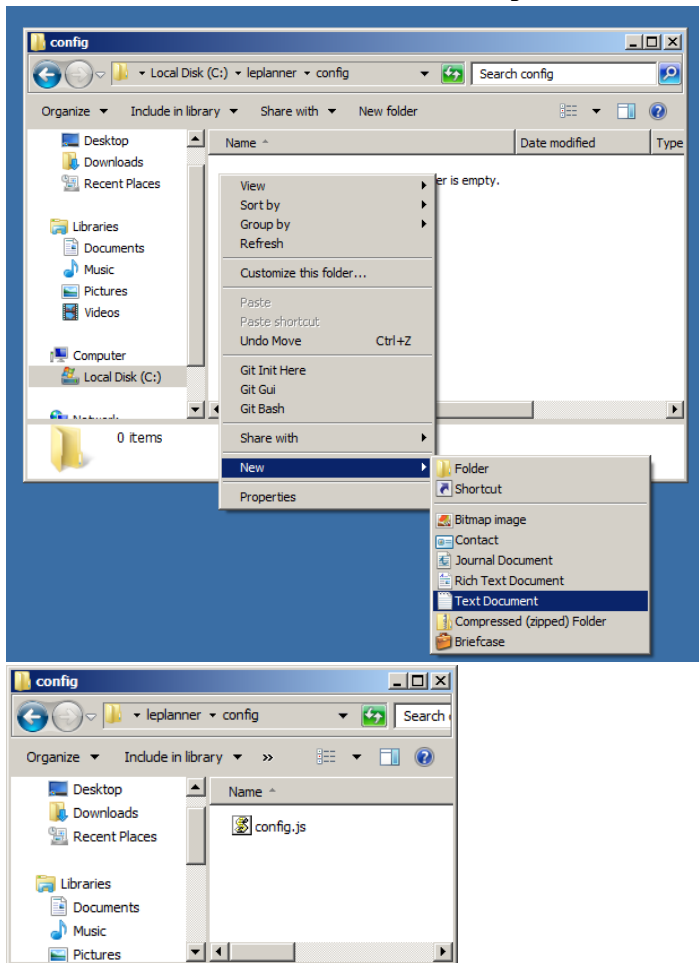


2.4 Prepare the config.js file

1. Navigate to the C:\leplanner working folder
2. Make a new folder named: config



3. Make a new document into the `config` folder and name it `config.js`:



NB! For the convenience of the user, needed settings have been pre-registered on the Google Developer page and also the database has been configured. These settings will be in the `config.js` file.

To use Google Developer, you have to register your settings here: <https://developers.google.com/api-client-library/ruby/auth/api-keys>

Needed data (which is shown below) needs to be added to the `config.js` file:

```
* clientID: '...apps.googleusercontent.com',  
* clientSecret: '...',
```

4. Open `config.js` and paste the following files, then save the file:

```
module.exports = {  
  googleAuth: {  
    clientID: '_YOUR_CLIENT_ID_HERE',  
    clientSecret: '_YOUR_CLIENT_SECRET_HERE',  
    callbackURL: 'http://leplanner.eu/api/oauth2callback'  
  },  
  port: 3000,  
  realm: 'http://leplanner.eu/',  
  db: 'mongodb://UFagZZRquXqr:dJ9rsKDTzUz7@ds047752.mongolab.com:47752/leplanner',  
  secret: 'this is the secret secret secret 12356'  
};
```

2.5 Installing nginx:

1. Download `nginx/Windows-1.8.0` to the computer from here: <http://nginx.org/en/download.html>
2. Unzip the archive to the computer.

2.6 Configuring nginx:

1. In the nginx folder, find the conf folder and open the file named: nginx.conf
2. Delete the corresponding lines and replace them with the lines in the **section 3**.

```
server {
    listen      80;
    server_name localhost;

    #charset koi8-r;

    #access_log logs/host.access.log main;

    location / {
        root    html;
        index   index.html index.htm;
    }

    #error_page 404              /404.html;

    # redirect server error pages to the static page /50x.html
    #
    error_page   500 502 503 504  /50x.html;
    location = /50x.html {
        root    html;
    }

    # proxy the PHP scripts to Apache listening on 127.0.0.1:80
    #
    #location ~ \.php$ {
    #    proxy_pass http://127.0.0.1;
    #}

    # pass the PHP scripts to FastCGI server listening on 127.0.0.1:9000
    #
    #location ~ \.php$ {
    #    root           html;
    #    fastcgi_pass   127.0.0.1:9000;
    #    fastcgi_index  index.php;
    #    fastcgi_param  SCRIPT_FILENAME /scripts$fastcgi_script_name;
    #    include        fastcgi_params;
    #}

    # deny access to .htaccess files, if Apache's document root
    # concurs with nginx's one
    #
    #location ~ /\.ht {
    #    deny  all;
    #}
}
```

3. These lines have to be instead the above:

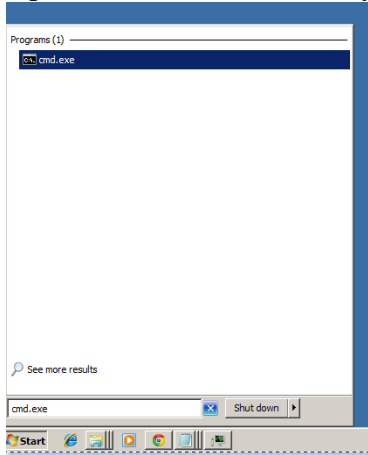
```
server {
    listen 80;
    server_name leplanner.eu;
    index index.html index.html;

    location / {
        root c:\leplanner\app;
        autoindex off;
    }

    location /api {
        proxy_pass http://localhost:3000;
    }
}
```


2.7 Installing nodemon:

1. Open the command line on your computer by writing `cmd.exe` to *Start* menu:



2. Install nodemon by writing this to the command line: `npm install nodemon -g`

3 Running

To run the project, you have to start nginx and NodeJS.

3.1 Starting the **nginx** server

You have to start nginx by navigating to the `nginx` folder and double-clicking on the `nginx.exe` file. Allow Firewall access to the program.

3.2 Running Node.js

- Open `cmd.exe` just like before.
- Write the command: `nodemon c:\leplanner\index.js`

```
C:\Windows\system32\cmd.exe - nodemon c:\leplanner\index.js
Microsoft Windows [Version 6.1.7600]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\Konstantin>nodemon c:\leplanner\index.js
17 Jun 11:26:06 - [nodemon] v1.3.7
17 Jun 11:26:06 - [nodemon] to restart at any time, enter 'rs'
17 Jun 11:26:06 - [nodemon] watching: *.*
17 Jun 11:26:06 - [nodemon] starting 'node c:\leplanner\index.js'
< [Error: Cannot find module '../build/Release/bson' code: 'MODULE_NOT_FOUND'] >
js-bson: Failed to load c++ bson extension, using pure JS version
< [Error: Cannot find module '../build/Release/bson' code: 'MODULE_NOT_FOUND'] >
js-bson: Failed to load c++ bson extension, using pure JS version
< [Error: Cannot find module '../build/Release/bson' code: 'MODULE_NOT_FOUND'] >
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js-bson: Failed to load c++ bson extension, using pure JS version
Example app listening at http://:::3000
successfully connected to Mongo db
```

- If successful, it will output:
Example app listening at `http://:::3000`
successfully connected to Mongo db