opMaps Installation Guide

Installation Prerequisites

- The individual performing this installation has some Linux experience.
- NMIS8 is installed on the same server where opMaps will be installed
- NMIS8 is installed in /usr/local/nmis8
- opMaps will be installed into /usr/local/opmantek
- Root access is available (not always needed but much easier)
- **Perl 5.10**
- **RRDtool 1.4.7**

Installation Steps

- Copy the opMaps tarball to the server (a tarball is a GZIP'd tar file, e.g. opMaps-Linux-x86_64-1.4.tar.gz for 64bit Linux or opMaps-Linux-i686-1.4.tar.gz for 32bit Linux)
    1. You may need to use SCP or FTP to get the file onto the server.
- The file will now likely be in the users home directory.
- If the installation directory does not already exist
- Change into the directory where the tarball was copied
- Untar the file

```
cd /usr/local
tar xvf ~/opMaps-Linux-x86_64-<version>.tar.gz
cd opmantek/
cp install/Maps.nmis install/opCommon.nmis install/opModules.nmis conf/
bin/opfixperms.pl
cp install/01opmantek.conf /etc/httpd/conf.d/
service httpd restart
```

Debian/Ubuntu

```
cp install/01opmantek.conf /etc/apache2/conf.d/
service apache2 restart
```

Getting a Google API Key

opMaps leverages the Google Maps API, and can optionally use a Google API Key, It is recommended to use a Google API Key if you are expecting a high volume of Google API traffic..

If you don't already have one, please follow these steps from Google to obtain a Google API key , to stop the message about not having a Google API Key you can edit the configuration item "googleApiKeyMessage" in Maps.nmis and change to blank, e.g. 'googleApiKeyMessage' => ''

Configure Google API Key

To configure your own Google API key, open the Maps.nmis file in /usr/local/opmantek/conf/

```
vi /usr/local/opmantek/conf/Maps.nmis
```

Find the following line under 'mapview' =>

```
'googleApiKey' => 'defaultAPI'
```

Replace the defaultAPI with your own Google API KEY

```
eg: 'googleApiKey' => 'AIzaSblahblahblahblah--blahwQPmscElk-8'
```

Alternate Installation Directory

opMaps can be installed into another directory if required, e.g. /opt/opmantek, the same process applies, but a few files will need to be changed.

Edit Maps.nmis and change the <omk_base> to be the new, e.g.

'<omk_base>' => '/opt/opmantek',

Edit the Apache include file, which if already copied to /etc/httpd/conf.d will be /etc/httpd/conf.d/01opmantek.conf and change the following lines to the new installation location

```
Alias /opmantek/ "/usr/local/opmantek/htdocs/"

ScriptAlias /cgi-omk/ "/usr/local/opmantek/cgi-bin/"

<Directory "/usr/local/opmantek/cgi-bin">
```

Access opMaps Web Page

The default URL to access opMaps is http://nmis.domain.com/cgi-omk/opMaps.pl

Any authentication challenges will be the same as to login to your NMIS8 system.

Configuring opMaps

Please go to opMaps Configuration Guide