

Information sheet for installing and running the new UIView32 Map server

please report any issues to me at pa7rhm(at)gmail.com

Introduction

A new version of the PA7RHMSvr (the UIView32 Map server) has been created.

This new map server works together with another new program called OSM_Maptool to create maps for UIView32 based on OpenStreetMaps.

This document explains how to download, install and configure the 2 applications.

How it works

Handling a new map request

The UIView32 mapserver will start OSM_Maptool with a set of parameters indicating mapsize, name, etcera.

OSM_Maptool will create a UIView32 map and INF file

It does this by calculating what OSM tiles (map fragments) are required for your map request.

If this tile is on your local disk then it will take that copy, else it will download the tile from the OSM Tile server and store it on disk for future map requests.

All tiles are stiched together to form your new UIView32 map, the excess edges are trimmed and the map and it's .INF files are saved for UIView32 to load

The UIView32 mapserver meanwhile has waited for OSM_Maptool to complete and will load the map. This can result in a "Not Responding" message, but please ignore this.

Setting up the OSM_Maptool

Apart from using the mapserver from UIView32 you can start OSM_Maptool yourself to set some defaults like the OSM tile folder.

So this should be your first action, then use the mapserver from UIView.

Reporting errors

when reporting errors please include the logfile. To open the logfile folder please start OSM_Maptool, menu "Options, Open Logfile Folder"

Step by step installation instructions

download the installation files

at www.pa7rhm.nl/downloads are 2 files :

UIView32 Map Server (setup_pa7rhmsvr201.exe)
and

OSM_Maptool (setup_osm_maptool110.exe)

download and save them to your computers (do not run the files yet)

setup_pa7rhmsvr201.exe is the installer for the new mapserver
Stop UIVIEW32 before installing the new mapserver

setup_osm_maptool110.exe is the installer for the required osm_maptool.
you can install this, please note that MS .NET framework 3.5 is required, the installation script will check on this.

stop UIVIEW32

UIVIEW32 must be stopped during the mapserver installation

Install the software

run both installation files you downloaded previously.

Please use all defaults during installation

Determine your OSM tiles folder

if you already have an OSM tiles folder then please note it's location
Otherwise create a folder named OSMTiles on a drive that has at least 200 Mb free space
Example : create a folder D:\myHAMdata\OSMTiles

Start OSM_Maptool and select the OSMTiles folder .
Use menu File, Save Settings and exit OSM_Maptool.

Start using UIVIEW32 with the new mapserver

All is completed now, you can start Uiview32 and select the mapserver

Finally some tips on installing UIView32 on Windows 7 / 8

UIView32 is a Windows application designed for Windows XP, by default it is installed in the C:\Program Files\Peak Systems\UI-View32 folder.

All application files including the .INI files and the Maps subfolder are stored here.

Starting with Windows Vista Microsoft introduced the so-called protected folders. "Program Files" is such a protected folder. You are basically allowed to install a program once, but all application files that contain user-data are to be stored in a separate applicationdata folder. UIView32 is not designed to handle these requirements.

The best way to handle this is to install UIView32 in a folder other than Program Files.

Let's say we take the folder D:\HAM to install all our HAM Radio software

For a new installation:

Install UIView32 software in a D:\HAM\UIView32

For an existing installation:

1. Copy the UI-View32 folder to a safe place
2. Uninstall UIView32 via Control Panel Add/Remove software
3. Install UIView32 to the new location
4. Copy the saved folder over this location : now your license and all previous customizations are restored in the new UIView program location.

See also the detailed website of Stephen H. Smith W8LMF on further changes to UIView settings. http://www.wa8lmf.net/aprs/UIview_Notes.htm