Making Offline maps for MyTrails from GEOPDF files.

The structure of GEOPDF files is an extension to the well-known Portable Document Format that includes information to calibrate a map (that is, define exactly where the map covers on the earth).

Converting these maps for MyTrails is a simple process that can take less than two minutes....

Before you start :

Download and install MAPC2MAPC from http://www.the-thorns.org.uk/mapping

Download and install GDAL from http://www.gisinternals.com/sdk/

🥹 MapServer and GDAL binary and SDK packages - Mozilla Firefox
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This page contains the links to the most recent versions of the build SDKs and the related binary packages
This build environment compiles GDAL and MapServer from the subversion and provide cutting edge binary packages containing the latest fixes until the time when build has started (refer to build log for the details). Only the binaries of the latest successful builds are available to download. The possible breaking changes in the subversion causes the compilation to terminate immediately before the packaging is started.
Note: The different compilers or platforms involve different CRT dependencies, therefore the binaries of the different packages are not interchangeable.
The contents of the packages are provided under the terms of this license. It is intended to give you permission to do whatever you want with the files: download, modify, redistribute as you please, including building proprietary commercial software, no permission from Tamas Szekeres is required. Some external libraries which can be optionally used by GDAL and MapServer (provided as plugins) are under radically different licenses, you MUST obtain valid licenses for each of these dependent libraries.
The following binary only packages are compiled daily based on the MapServer and GDAL SVN (development and stable branches):

Compiler (Platform)	Downloads	Package Info	Build log	Build status	Latest revision
MSVC2003 (Win32) -development	release-1310-gdal-mapserver	information	buildlog msautotest	GDAL build Failed	<u>3471778779, r25185</u>
MSVC2005 (Win32) -development	release-1400-gdal-mapserver	information	buildlog msautotest	finished at 2012.10.30. 5:40:45,62	<u>3471778779, r25191</u>
MSVC2005 (Win61) - development	release-1100-x61-gdal-mapserver	information	buildlog msautotest	finished at 2012.10.30. 5:45:43,74	<u>3471778779, r25191</u>
MSVC2008 (Win32) - development	release-1500-gdal-mapserver	information	buildlog msautotest	finished at 2012.10.30. 6:13:12,74	<u>3471778779, r25191</u>
MSVC2008 (Win64) - development	release-1500-x64-gdal-mapserver	information	buildlog msautotest	finished at 2012.10.30. 6:26:01,46	<u>3471778779, r25191</u>
MSVC2010 (Win32) -development	release-1600-gdal-mapserver	information	buildlog msautotest	finished at 2012.10.30. 6:31:23,05	<u>3471778779, r25191</u>
MSVC2010 (Win64) -development	release-1600-x64-gdal-mapserver	information	buildlog msautotest	finished at 2012.10.30. 6:42:47,58	<u>34/1//8//9, r25191</u>
MSVC2003 (Win32) -stable	release-1310-qdal-1-9-mapserver-6-0	information	buildlog msautotest	finished at 2012.10.30. 5:33:57,41	15021c65cd, (25191
MSVC2005 (Win32) - stable	release-1400-gdal-1-9-mapserver-6-0	information	buildlog msautotest	finished at 2012.10.30. 7:08:44,29	15021c65cd, r25191
MSVC2005 (Win64) - stable	release-1400-x64-gdal-1-9-mapserver-6-0	information	buildlog msautotest	finished at 2012.10.30. 7:11:31,26	15021c65cd, r25191
MSVC2008 (Win32) stable	release 1500 gdal 1 9 mapserver 6 0	information	buildlog msautotest	finished at 2012.10.30. 7:32:23,29	15021c65cd, r25191
MSVC2008 (Win64) -stable	release-1500-x64-gdal-1-9-mapserver-6-0	information	buildlog <u>msautotest</u>	finished at 2012.10.30. 7:39:18,22	15021c65cd, r25191
MSVC2010 (Win32) -stable	release-1600-gdal-1-9-mapserver-6-0	information	buildlog msautotest	finished at 2012.10.30. 7:41:59,88	15021c65cd, r25191
MSVC2010 (Win64) -stable	release-1600-x64-gdal-1-9-mapserver-6-0	information	buildlog msautotest	finished at 2012.10.30. 7:44:31,57	15021c65cd, r25191

🐸 Package Information - Mozilla Firefox

<u>File Edit View History Bookmarks Tools Help</u> Package Information

🗲 🛞 www.gisinternals.com/sdk/PackageList.aspx?file=release-1400-gdal-1-9-mapserver-6-0.zip

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Available downloads (release-1400-gdal-1-9-mapserver-6-0):

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gdal-19-1400-ecw.msi		10/30/2012 6:42 AM	1244 kB	Installer for the GDAL EC
gdal-19-1400-mrsid.msi		10/30/2012 6:43 AM	2253 kB	Installer for the GDAL Mrs
gdal-19-1400-oracle.msi		10/30/2012 6:40 AM	906 kB	Installer for the GDAL Ora
MapScript-6.0.1.win32-py2.6.exe		2/8/2012 7:48 AM	225 kB	Installer for the MapScrip

Start up MAPC2MAPC

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<u>Use Edit>Locate to open the GDAL_translate.exe you installed.</u>

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Use Edit>Preferences and settings to ensure 'Crop KAP and PDF maps when loading' is checked

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Then close MAPC2MAPC so that it remembers these settings.

That was the hard part!

Loading MAP Calibration files

Crop KAP and PDF maps when loading

To convert a map :

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Depending on the map, it will take a few seconds or minutes to load, convert and crop. Also, you may be asked to match one Datum name with another



Once you have OK'd the match the program will remember it.

Then you will see a series of information messages

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If you want to see the loaded map use View. Zoom into the map. A right click on a landmark pops up a Google Earth window – the accuracy is exact!



Close the view window

File>Write Map for a mobile device.



Scroll down the selection box to M G Maps. If the map has areas that you don't want then leave the 'Allow Tile Selection' box checked – otherwise uncheck it. Click OK

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If you have opted for tile selection you will see screens where you can click on tiles to select (green tick) or deselect (red cross). This starts at a very coarse level and refines over each zoom level.



The file is converted



Copy the _mgmaps folder to the Offline folder of MyTrails on your Android device.





