GuidosToolbox Workbench – Installation

This document provides installation instructions for the image analysis program **GWB** (GuidosToolbox Workbench). GWB is a subset of the desktop application GuidosToolbox designed as a cmd-line only application for Linux 64bit servers. The software is available at: http://forest.jrc.ec.europa.eu/download/software/guidos/
GWB can be used to conduct various image object analysis schemes on your raster data. GWB is completely self-contained and fully functional in its own directory. It can be installed for system-wide usage or used in standalone mode in any directory on your system or any external device, provided **gdal** is installed.

A) System-wide installation:

GWB can be installed for system-wide usage/made available to all system users using one of the following options:

- **PCLinuxOS:** Open Synaptic and search for/install *GWB*
- **Fedora:** Download the package *GWB-<version>Fedora.x86_64.rpm* to a local directory. From a root-terminal enter the command: *yum install <full path to the downloaded GWB-<version>Fedora.x86_64.rpm>*
- **Suse Leap:** Download the package *GWB-<version>SuseLeap.x86_64.rpm* to a local directory. From a root-terminal enter the command: *rpm -Uvh <full path to the downloaded GWB-<version>SuseLeap.x86_64.rpm>* (you may have to install *gdal* and other listed dependencies first)
- ***buntu:** Download the package *gwb_<version>_amd64.deb* to a local directory. From a root-terminal enter the command: *apt install <full path to the downloaded gwb_<version>_amd64.deb>*
- **Other Linux distributions:** Follow the steps of the standalone installation (below). Open a root-terminal in the extracted directory and enter the command: *./installGWB.sh* The script will copy the standalone directory GWB under /opt/ and setup sym-links to each GWB-script in /usr/bin/

B) Standalone installation (as normal user, not as root!):

a) Download *GWB<version>_linux64.run* to your $HOME directory, i.e., */home/peter*
b) Open a terminal (konsole, xterm) in this directory and make the installer executable using the command: *chmod u+x GWB<version>_linux64.run*
c) Start the installer with the command: *./GWB<version>_linux64.run* and follow the instructions. The installer creates the new directory *GWB<version>* providing the standalone directory *GWB* and system installation scripts.
d) To use GWB in standalone mode, cd into the directory *GWB* and enter the command
- *./GWB* to get an overview of the analysis tools provided, or execute any tool directly. i.e
- *./GWB_SPA* to conduct a spatial pattern analysis.

Note:

Each module will process all tif-images located in the subdirectory *GWB/input* using its specific parameter file. Results are stored in the subdirectory *GWB/output*
More information is available in the file: *GWB/readme.txt*

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