

PCRaster

Overview

Since FEWS 2016.01 PCRaster 4.1 is supported on 64 bit. The PCRaster 4.1 libraries are NOT provided in the FEWS distribution and need to be installed manually. See the "Installation" section. For 32 bit support PCRaster 2.1 is still provided in the bin directory of FEWS for Windows.

An overview of PCRaster support in FEWS:

Delft-FEWS Release	Windows 64 bit JRE	Windows 32 bit JRE	Linux 64 bit JRE	Linux 32 bit JRE
2016.02	4.1 supported	2.1 supported	4.1 supported	not supported
2016.01	4.1 beta support	2.1 supported	4.1 supported	not supported
Before 2016.01	not supported	2.1 supported	not supported	2.1 supported

Installation

PCRaster 4.1 can be downloaded from: <http://pcraster.geo.uu.nl/>. The pcraster installation should be put in the `$REGION_HOME$/Modules/pcraster` directory of FEWS. Only the lib directory is required for FEWS to run pcraster.

If required the PCRaster home directory can be overruled by a global property: `PC_RASTER_HOME`.

If there is an external installation of pcraster present on the system, it can result in 'No class def found' error. This problem can be fixed by removing the path to the external pcraster installation in the system environment variable PATH.

For Windows the `$REGION_HOME$/Modules/pcraster/lib` directory should contain the following files:

```
boost_filesystem-mt.dll
boost_math_c99-mt.dll
boost_python-mt.dll
boost_regex-mt.dll
boost_system-mt.dll
expat.dll
gdal19.dll
geos_c.dll
libcurl.dll
mldd.dll
pcraster_aguila.dll
pcraster_da1.dll
pcraster_moc.dll
pcraster_model_engine.dll
pcraster_modflow.dll
pcraster_old_calc.dll
QtCore4.dll
QtGui4.dll
QtOpenGL4.dll
QtSql4.dll
QtXml4.dll
qwt.dll
xerces-c_3_1.dll
```

Linux dependencies

The PCRaster 4.1 Linux distribution does not package all dependent libraries. Some system libraries are expected to be installed already. For example: PCRaster 4.1 on Linux depends on libjpeg.so.62, which isn't packaged with the PCRaster 4.1 distribution.

Known issues

Linux PATH variable with non existing path elements or not accessible paths elements: The following error has been reported to show: Error: called pcr_ScriptErrorMessage with 0 ptr. This can be caused by incorrectly configured PATH variables on linux. In case one of the path elements is non existing or is not accessible for the current user, this error occurs