



Compressed memory loader

Version 1.0.0, by Giorgio Bianchini

Description: Loads the tree in memory in a compressed format. Safe even when using large files.

Module type: LoadFile

Module ID: 3174e194-24a5-46f9-9836-b706cf0be326

This module loads the trees read from a tree file in memory in a compressed format. While the compression causes some performance degradation, this makes it possible to work with files containing a large number of trees without running into memory overflow issues.

Parameters

Large file threshold

Global setting

Control type: File size

Default value: 25 MiB

This global setting provides a file size threshold above which the priority of this module increases. If the file that is being opened is larger than this threshold, a dialog is also shown to the user, asking them if they want to read all the trees from the file or skip some of them. The value can be changed from the global settings window accessible from Edit > Preferences...

This setting affects the *Memory loader*, *Compressed memory loader* and *Disk loader* modules.

Further information

This module works by reading one tree at a time from the file and storing them in Binary format in memory. When a tree needs to be accessed, the Binary format tree in memory is parsed; when the tree is not necessary any more, the memory it used is discarded. Therefore, the amount of memory necessary to use this module is approximately equal to the size of the tree file in Binary format, plus the memory size of a single tree.

This module has high priority when the size of the file being read is greater than the [Large file threshold](#).