

Issue #687: Fields owned by region

Description

Each region is to have its own field manager, which wraps the associated FE_region fields.
Groups will share the field manager of their master region.

Status: accepted, Assigned_to: rchristie

Issuedata

Classification: Feature , Project: cmgui , Categories: computed_fields , Importance: High

Progress

Deadline: 2008/07/11 10:07:12.978 GMT+12 , Percent done: 0

Contact

Name: Richard Christie , E-Mail: r.christie@auckland.ac.nz

Transcript

#1 Comment 2008-05-12 10:21 (rchristie)

Changed: status: "pending" -> "accepted"
Changed: assignees: "[]" -> "['rchristie']"
Changed: categories: "()" -> "['fields', '']"
Changed: OS: "Linux" -> "['']"
Changed: version: "Development" -> "['']"
Changed: importance: "medium" -> "high"
Changed: title: "" -> "Fields owned by region"
Changed: description: "" -> "Each region is to have its own field manager, which wraps the associated FE_region fields.
Groups will share the field manager of their master region."
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#2 Comment 2008-05-12 10:22 (rchristie)

Comment

A few migration issues to work through:[]
- graphical element object and scene editor dialog need to hook into the correct field manager.
- changes to commands & API.[]
- supporting "xi" & "cmiss_number" default fields.

#3 Comment 2008-05-12 10:29 (rchristie)

Reference: tracker/463 (This items should largely solve the following:
Tracker 463 "Regions and time?"
)

#4 Comment 2008-05-12 10:33 (rchristie)

Reference: tracker/667 (Prerequisite for Merge scenes and regions)
Reference: tracker/619 (Prerequisite for fixing simultaneous graphical editing of multiple nodes)
Reference: tracker/623 (Should sort out problems with special exnode formats and regions)

#5 Comment 2008-05-15 13:50 (rchristie)

Comment

Issue #695: Shared library field dependency on graphics

Description

Shared library LIB_FINITE_ELEMENT includes REGION_SRCS which now depend on computed fields.
Computed_field_find_xi has a "fast path" using OpenGL, meaning the above library would need to include all of regions, fields, finite_element and graphics to be work, which is too much.

Collector: Old tracker, do not use this anymore

So we need to at least remove the static OpenGL dependency, i.e. make the "fast path" functionality discoverable at run time if the right libraries are present. I think we want to have a basic LIB_REGION_FIELDS library - need to decide whether finite_element is part of this or can be separated.

Status: pending, Assigned_to:

Issuedata

Classification: Bug , Project: cmgui , Categories: compilation , Importance: High

Progress

Deadline: 2008/08/03 12:39:23.619 GMT+12 , Percent done: 0

Contact

Name: Richard Christie , E-Mail: r.christie@auckland.ac.nz

Transcript

#1 Comment 2008-06-04 12:57 (rchristie)

Changed: categories: "()" -> ["'compilation', '"]

Changed: OS: "Linux" -> [""]

Changed: version: "Development" -> [""]

Changed: importance: "medium" -> "high"

Changed: title: "" -> "Shared library field dependency on graphics"

Changed: classification: "Feature" -> "Bug"

Changed: description: "" -> "Shared library LIB_FINITE_ELEMENT includes REGION_SRCS which now depend on computed fields.

Computed_field_find_xi has a "fast path" using OpenGL, meaning the above library would need to include all of regions, fields, finite_element and graphics to be work, which is too much.

So we need to at least remove the static OpenGL dependency, i.e. make the "fast path" functionality discoverable at run time if the right libraries are present.

I think we want to have a basic LIB_REGION_FIELDS library - need to decide whether finite_element is part of this or can be separated.

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#2 Comment 2008-06-04 12:58 (rchristie)

Reference: tracker/135 (Sorting out shared libraries is a long-term tracker item.)

#3 Comment 2008-06-06 09:17 (blackett)

Comment

This problem means that zinc and the perl/python bindings cannot be built at the moment.

It seems to keep it working at the moment, we just have to basically remove this library

until the dynamic binding for find_element_xi_special is done.[]

I'm not very comfortable with that though, because []

it is much harder to create these separations again once they are gone.[]

References

http://www.cmiss.org/cmgui/Archived_tracker/135: Sorting out shared libraries is a long-term trac