Redmine - Defect #30950

Issue#clear_disabled_fields can still lead to a nil done_ratio in some cases

2019-03-01 12:34 - Stephane Evr

Status:	New	**Start date:**	
Priority:	Normal	**Due date:**	
Assignee:		**% Done:**	0%
Category:	Issues	**Estimated time:**	0.00 hour
Target version:			
Resolution:		**Affected version:**	4.0.2

Description

This seems to occur on all Redmine versions since 3.0.0 ([#5991](#)), but it is a rare bug so it has a relatively low impact.

There is a database constraint + model constraint, where Issue#done_ratio cannot be nil.
Yet, in a specific case, Issue#clear_disabled_fields will not properly read the actual done_ratio value, leaving a nil value which leads to a 500 error.

How to reproduce:

- Configure redmine with use_status_for_done_ratio to true
- Create an IssueStatus "test_status", give it a default done ratio (e.g. 0%)
- Create a tracker "test_tracker", set its default status to "test_status", **uncheck** done_ratio field
- Attempt to create an issue with tracker "test_tracker", with status "test_status"
-> 500 Error

Why it happens

Because of [Issue#done_ratio](#)

```
def done_ratio
  if Issue.use_status_for_done_ratio? && status && status.default_done_ratio
    status.default_done_ratio #ratio is returned from here
  else
    read_attribute(:done_ratio)
  end
end
```

and

[Issue#clear_disabled_fields](#) :

```
def clear_disabled_fields
  if tracker
    tracker.disabled_core_fields.each do |attribute|
      send "#{attribute}=", nil #done_ratio is set to nil here
    end
    self.done_ratio ||= 0
#But here, the underlying nil done ratio is not detected, because it is not read from read_attribute in this special case.
  end
end
```

How we can fix it

With the following fix, the error won't happen:

```
def clear_disabled_fields
  if tracker
    tracker.disabled_core_fields.each do |attribute|
      send "#{attribute}=", nil #done_ratio is set to nil here
    end
```

```
    unless read_attribute(:done_ratio)
      self.done_ratio = 0
    end
  end
end
```

History

#1 - 2019-03-25 14:26 - Go MAEDA

Stephane Evr wrote:

How to reproduce:

- Configure redmine with use_status_for_done_ratio to true
- Create an IssueStatus "test_status", give it a default done ratio (e.g. 0%)
- Create a tracker "test_tracker", set its default status to "test_status", **uncheck** done_ratio field
- Attempt to create an issue with tracker "test_tracker", with status "test_status"
- -> 500 Error

I followed the steps above, but I was not able to reproduce the problem.