Allow configuration of API limit instead of hardcoding at 100

The below tested patch makes the previously hardcoded limit of 100 items in a RESTful API response configurable in the Administration GUI. The default value is still 100. This is based on 2.4.1.stable.

This is quite useful since it is nice and simple to just get the full response in a single page rather than having to traverse pagination, and a limit of a bit more than 100 is still very performant for many sites -- the limit beyond which performance starts to degrade really depends on the particular site's usage, so should be controllable by the local administrator.

Index: app/controllers/application_controller.rb

```ruby
limit = options[:limit].to_i
if limit < 1
  limit = 25
elsif limit > 100
  limit = 100
else
  limit = Setting.api_limit.to_i
end
if offset.nil? && options[:page].present?
  offset = (options[:page].to_i - 1) * limit
```

Index: app/views/settings/_general.html.erb

```erb
<p><%= setting_select :wiki_compression, [['Gzip', 'gzip']], :blank => :label_none %></p>

<p><%= setting_text_field :api_limit, :size => 6 %></p>

<p><%= setting_text_field :feeds_limit, :size => 6 %></p>

<p><%= setting_text_field :file_max_size_displayed, :size => 6 %></p>

Index: config/settings.yml

```yaml
default: localhost:3000
protocol:
  default: http
```

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Related issues:
Duplicated by Redmine - Feature # 7539: Rest-API limit of items not 100, but ... Closed 2011-02-04
Duplicated by Redmine - Defect # 25555: Make api paging limit configurable Closed
Duplicated by Redmine - Feature # 26553: Overly restricted number of ReST res... Closed

History
#1 - 2014-08-19 20:45 - Domingo Galdos
Is there anything I can do to help move this patch forward?

#2 - 2015-07-03 16:22 - Anton Statutov
+1

#3 - 2015-07-10 11:52 - V Lindell
+1

#4 - 2015-07-26 04:08 - Toshi MARUYAMA
- Target version set to 3.2.0

#5 - 2015-07-26 08:50 - Go MAEDA
The user should not be able to set the value of API limit smaller than 100.
Probably some clients suppose that the value is always 100, smaller limit may affect compatibility with such clients.

#6 - 2015-11-22 17:10 - Jens Peter Kempkes

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+api_limit:
+ format: int
+ default: 100

feeds_limit:
 format: int
default: 15

setting_host_name: Host name and path
setting_text_formatting: Text formatting
setting_wiki_compression: Wiki history compression
+ setting_api_limit: Maximum number of items returned in a JSON/XML API response
+ setting_feeds_limit: Maximum number of items in Atom feeds
setting_default_projects_public: New projects are public by default
setting_autofetch_changesets: Fetch commits automatically

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config/locales/en.yml (revision 13387)
+++ config/locales/en.yml (revision 13389)
@@ -352,6 +352,7 @@
   setting_api_limit: Maximum number of items returned in a JSON/XML API response
   setting_feeds_limit: Maximum number of items in Atom feeds
   setting_default_projects_public: New projects are public by default
   setting_autofetch_changesets: Fetch commits automatically
We would also appreciate higher values than 100. Some of our tools need to load all items visible to a user and therefore need to split the requests.

#7 - 2015-11-27 08:57 - Sebastian Paluch
+1

#8 - 2015-12-06 11:44 - Jean-Philippe Lang
- Target version changed from 3.2.0 to Candidate for next major release

#9 - 2015-12-09 13:24 - Jens Peter Kempkes
Too sad, this patch was shifted.
What is the reason?
We're really waiting for this patch and all seems to be done. Am I wrong?

#10 - 2015-12-23 11:00 - Niklaus Jordi
+1

#11 - 2016-03-22 12:38 - Go MAEDA
- Duplicated by Feature #7539: Rest-API limit of items not 100, but changeable by the administrator added

#12 - 2016-06-28 17:54 - Dam Dam
+1
Hi,
This request was posted 2 years ago, so what's up?

#13 - 2016-09-20 09:21 - Stephane Evr
+1

#14 - 2017-04-09 02:18 - Go MAEDA
- Duplicated by Defect #25555: Make api paging limit configurable added

#15 - 2017-04-10 09:55 - George Brooke
Is there anything wrong/non-ideal with this patch which means that it has not been integrated?

#16 - 2017-06-01 17:01 - Bohdan Artemchuk
+1
What happened to this patch? Nothing?

I think that it should be changeable by the responsibility of the system administrator.

There are many configuration items in the world system that may cause troubles due to setting change contents. Since there are cases where it is necessary to change these items, it is made public after clearly stating that there is a risk when changing.

It is enough to specify the following points.

If you change the default value, there is a possibility of trouble in the operation of REST using application. The operation verification responsibility is on Redmine system administrator who changed.