Bugs & Wish list

Score Feature - Slow Database Queries | Tiki Wiki CMS Groupware :: Development
Score Feature - Slow Database Queries

Status
> ● Open

Subject
> Score Feature - Slow Database Queries

Version
> 15.x
> 18.x
> 21.x
> 22.x
> 23.x

Category
> - Error

Feature
> Score

Resolution status
> Accepted

Submitted by
> albertgi

Lastmod by
> albertgi

Rating
> ★ ★ ★ ★ ★ (1) ❓

Description
> It seems that the greater the number of users exist in the wiki, tied with a higher total score per user, generates very slow queries to the database, resulting in a very slow load time per page. I was experiencing 20 seconds + of load time per wiki page, as it was loading the scoring table every time.
>
> Some samples from the database (not sure if useful).
>
> 1. Time: 170131 16:54:54
> 2. User@Host: giswikiadmgiswikiadm @ clwp001.city.a.ottawa.ca 10.140.12.238 Id: 334497
> 3. Query_time: 28.076675 Lock_time: 0.000208 Rows_sent: 10 Rows_examined: 4229506
>
> SET timestamp=1485899694;
> select `recipientObjectId` as `login`,
> `pointsBalance` as `score`
> from `tiki_object_scores` tos
> where `recipientObjectType`='user'
> and tos.`id` = (select max(id) from `tiki_object_scores` where `recipientObjectId` = tos.`recipientObjectId` and `recipientObjectType`='user' group by `recipientObjectId`)
> group by `recipientObjectId` order by `score` desc LIMIT 10 OFFSET 0;
>
> 1. User@Host: eiadwikiadmeiadwikiadm @ clwp001.city.a.ottawa.ca 10.140.12.238 Id: 344609
> 2. Query_time: 21.994789 Lock_time: 0.000448 Rows_sent: 10 Rows_examined: 3325313

```
SET timestamp=1485955286;
select `recipientObjectId` as `login`,
`pointsBalance` as `score`
from `tiki_object_scores` tos
where `recipientObjectType`='user'
and tos.`id` = (select max(id) from `tiki_object_scores` where `recipientObjectId` =
tos.`recipientObjectId` and `recipientObjectType`='user' group by `recipientObjectId`)
group by `recipientObjectId` order by `score` desc LIMIT 10 OFFSET 0;
```

1. Time: 170201 8:21:56
2. User@Host: eiadwikiadmeiadwikiadm @ clwp001.city.a.ottawa.ca 10.140.12.238 Id: 344614
3. Query_time: 22.215687 Lock_time: 0.000448 Rows_sent: 10 Rows_examined: 3325313

```
SET timestamp=1485955316;
select `recipientObjectId` as `login`,
`pointsBalance` as `score`
from `tiki_object_scores` tos
where `recipientObjectType`='user'
and tos.`id` = (select max(id) from `tiki_object_scores` where `recipientObjectId` =
tos.`recipientObjectId` and `recipientObjectType`='user' group by `recipientObjectId`)
group by `recipientObjectId` order by `score` desc LIMIT 10 OFFSET 0;
```

1. Time: 170201 8:22:42
2. User@Host: eiadwikiadmeiadwikiadm @ clwp001.city.a.ottawa.ca 10.140.12.238 Id: 344620
3. Query_time: 21.846001 Lock_time: 0.000245 Rows_sent: 10 Rows_examined: 3325313

```
SET timestamp=1485955362;
select `recipientObjectId` as `login`,
`pointsBalance` as `score`
from `tiki_object_scores` tos
where `recipientObjectType`='user'
and tos.`id` = (select max(id) from `tiki_object_scores` where `recipientObjectId` =
tos.`recipientObjectId` and `recipientObjectType`='user' group by `recipientObjectId`)
group by `recipientObjectId` order by `score` desc LIMIT 10 OFFSET 0;
```

1. Time: 170201 8:23:33
2. User@Host: citypediaadmcitypediaadm @ clwp001.city.a.ottawa.ca 10.140.12.238 Id: 344638
3. Query_time: 12.665043 Lock_time: 0.000552 Rows_sent: 10 Rows_examined: 2035464

```
use citypediap1;
SET timestamp=1485955413;
select `recipientObjectId` as `login`,
`pointsBalance` as `score`
from `tiki_object_scores` tos
where `recipientObjectType`='user'
and tos.`id` = (select max(id) from `tiki_object_scores` where `recipientObjectId` =
tos.`recipientObjectId` and `recipientObjectType`='user' group by `recipientObjectId`)
group by `recipientObjectId` order by `score` desc LIMIT 10 OFFSET 0;
```

1. Time: 170201 8:23:44
2. User@Host: eiadwikiadmeiadwikiadm @ clwp001.city.a.ottawa.ca 10.140.12.238 Id: 344639
3. Query_time: 22.066348 Lock_time: 0.000236 Rows_sent: 10 Rows_examined: 3325313

```
use eiadwikip1;
```

```
SET timestamp=1485955424;
select `recipientObjectId` as `login`,
`pointsBalance` as `score`
from `tiki_object_scores` tos
where `recipientObjectType`='user'
and tos.`id` = (select max(id) from `tiki_object_scores` where `recipientObjectId` =
tos.`recipientObjectId` and `recipientObjectType`='user' group by `recipientObjectId`)
group by `recipientObjectId` order by `score` desc LIMIT 10 OFFSET 0;
```

1. Time: 170201 8:23:52
2. User@Host: citypediaadmcitypediaadm @ clwp001.city.a.ottawa.ca 10.140.12.238 Id: 344642
3. Query_time: 13.027229 Lock_time: 0.000440 Rows_sent: 10 Rows_examined: 2035464

```
use citypediap1;
SET timestamp=1485955432;
select `recipientObjectId` as `login`,
`pointsBalance` as `score`
from `tiki_object_scores` tos
where `recipientObjectType`='user'
and tos.`id` = (select max(id) from `tiki_object_scores` where `recipientObjectId` =
tos.`recipientObjectId` and `recipientObjectType`='user' group by `recipientObjectId`)
group by `recipientObjectId` order by `score` desc LIMIT 10 OFFSET 0;
```

Workaround
> Disabled the score module

Importance
> 6

Priority
> 30

Demonstrate Bug (Tiki 19+)
> ## Please demonstrate your bug on show2.tiki.org
>
> Version: trunk ▼

Demonstrate Bug (older Tiki versions)
> ## Please demonstrate your bug on show.tikiwiki.org
>
> Version: 18.x ▼

Ticket ID
> 6271

Created
> Thursday 02 February, 2017 16:16:15 GMT-0000
> by albertgi

LastModif
> Thursday 18 February, 2021 17:00:42 GMT-0000

Comments

Doug Higby 18 Feb 21 16:25 GMT-0000

I was forced to turn off the score feature 3 years ago because it made my site grind to a halt. Page loads of 20 seconds or more as mentioned above. I tried again with Tiki 21 but the same thing happened. The worst part is that the first time, I had to hire a professional to analyze the site to find out why it was so slow.

If this issue can't be fixed, at the very least, can you place a warning when enabling it so that users can know to disable this module when they have performance issues?

Jonny Bradley 18 Feb 21 16:55 GMT-0000

Hi Doug

Thanks for the report, i wasn't aware of that feature (the one on tiki-admin.php?page=score i presume you mean?)

I'll try it out and maybe we can add it to the performance control panel as a possible "slow down" culprit (assuming there's no quick fix).

Attachments

filename	created	hits	comment	version	filetype

No attachments for this item

The original document is available at https://dev.tiki.org/item6271-Score-Feature-Slow-Database-Queries