From: Maria Girone
To: Jamie Shiers;
Subject: Fwd: CMS dashboard saturating DB instance CMSR2
Date: Monday, May 26, 2008 10:33:55

FYI, cheers, Maria

Begin forwarded message:

> **From:** "Luca Canali" <Luca.Canali@cern.ch>
> **Date:** May 23, 2008 11:44:46 PM GMT+02:00
> **To:** "Julia Andreeva" <Julia.Andreeva@cern.ch>
> **Cc:** "Pdb Service" <Pdb.Service@cern.ch>
> **Subject: CMS dashboard saturating DB instance CMSR2**
>
> Dear Julia,
>
> CMS dashboard is saturating (high load) the cluster node itrac602 (a
> quadcore machine!) and I imagine you are seeing abysmal performance on
> your side too. The performance killer can be identified in just one
> query, as reported earlier on by Jacek (see also below). Unfortunately
> killing running oracle sessions is not helping since the query is
> popping out again as soon the query is stopped. I strongly recommend you
> to have a look at that. Of course we can help you with the tuning, if
> needed.
>
> The text of the slow query is the following:
>
> ```
> select * from (
>  SELECT JOB."SchedulerJobId", SITE."DisplayName",
>  GRID_STATUS_REASON."GridStatusReason",
> GRID_STATUS."StatusName",
>  JOB."JobMonitorId", JOB."DboardStatusId" ,
> JOB."DboardJobEndId",
>  JOB."DboardGridEndId",
> JOB."DboardStatusEnterTimeStamp",
>  JOB."DboardFirstInfoTimeStamp",
> JOB."DboardLatestInfoTimeStamp",
>  JOB."SubmittedTimeStamp",
> ```

```
JOB."StartedRunningTimeStamp",
        JOB."FinishedTimeStamp", NODE."IpValue",
TASK."TargetCE",
        TASK."TaskMonitorId", TASK_JOB."NoEventsPerRun" ,
TASK_JOB."EventRange",
        JOB."JobExecExitCode", TASK."SubmissionType", rownum
as rnum
FROM JOB, SITE, TASK, TASK_JOB, GRID_STATUS,
        SUBMISSION_TOOL, USERS, GRID_STATUS_REASON,
INPUT_COLLECTION, SUBMISSION_TYPE, NODE
        where (rownum < (0+50)) and
(("DboardLatestInfoTimeStamp" >=
:bv_date1 OR "DboardStatusId" in ('P','R'))) and
(("DboardJobEndId"='S'
and "
DboardStatusId"='T')) and ((TASK."TaskTypeId" in (select
"TaskTypeId"
from task_type where "Type" = :bv_activity))) and ((JOB."SiteId"
in
(select "SiteId" from site where "DisplayName" = :bv_site) or
JOB."SiteId" in (select "SiteId" from site where "SiteName" =
:bv_site))) and (
        JOB."TaskId" = TASK."TaskId" and JOB."TaskJobId" =
TASK_JOB."TaskJobId"
        and JOB."SiteId" = SITE."SiteId" and JOB."GridStatusId" =
        GRID_STATUS."StatusId" and TASK."SubmissionToolId" =
        SUBMISSION_TOOL."SubmissionToolId" and
TASK."UserId" =
USERS."UserId"
        and
TASK."InputCollectionId"=INPUT_COLLECTION."InputCollectionId"
and
        GRID_STATUS_REASON."GridStatusReasonId" =
JOB."GridStatusReasonId" and
        NODE."NodeId" = JOB."WNIp" and
TASK."SubmissionType"=SUBMISSION_TYPE."SubmissionType"
        )) where (rnum >= 0)
```

Thanks,
Luca