Hello,

Today i would like talk about the Control-M's Database for Oracle databases. I think there isn't any official documentation of this topic and i think that it would be very useful (i only found the database schemas on pdf).

Sometimes the users or customers ask me to know how many jobs are scheduled in their enviroments, how many jobs has ended NOTOK, total job executions day per day in one month, and amount information to do reports. Yes, I know with Reporting Facility is possible to get this information but sometimes is not exactly that the user or customer wants. In this cases i need create or develop some queries on Control-M Servers or EM databases to get this information.

In my opinion, there are four importants tables on Control-M database:

For Control-M Server Database:

CMS\_JOBDEF

CMS\_SCHEDTB

For EM Database:

DEF\_VER\_JOB

DEF\_VER\_TABLES

Both tables contains the basic information of the definition of the jobs and tables(folders in version 8 and 9).

You can combine(with a join) this tables with others to get any information as you want.

For example, if you want to know what jobs have you scheduled in a NODE ID, you can execute the following query:

- On EM database

SELECT \* FROM DEF\_VER\_JOB WHERE NODE\_ID= 'node\_id\_name';

Example: SELECT \* FROM DEF\_VER\_JOB WHERE NODE\_ID= 'host1001';

- On Control-M Server Database

SELECT \* FROM CMS\_JOBDEF WHERE NODEID= 'node\_id\_name';

Example: SELECT \* FROM DEF\_VER\_JOB WHERE NODEID= 'host1001';

Other query you can execute to check what jobs have a concrete table/folder:

-On EM database:

SELECT \* FROM DEF\_VER\_JOB

WHERE PARENT\_TABLE= 'TABLE\_NAME'

-On Control-M Server Database:

SELECT \* FROM CMS\_JOBDEF WHERE SCHEDTAB = 'TABLE\_NAME'

Usually i have execute the following query to know what jobs we have scheduled in our enviroment:

SELECT \*

FROM

DEF\_JOB JD, DEF\_TABLES TD

WHERE

TD.TABLE\_ID=JD.TABLE\_ID and

JD.MONTH\_1||JD.MONTH\_2||JD.MONTH\_3||JD.MONTH\_4||JD.MONTH\_5||JD.MONTH\_6||JD.MONTH\_7 ||JD.MONTH\_8||JD.MONTH\_9||JD.MONTH\_10||JD.MONTH\_11||JD.MONTH\_12 <> '000000000000'

AND USER\_DAILY <> ' '

AND (DAY\_STR != ' ' OR W\_DAY\_STR != ' ' OR DAYS\_CAL != ' ' OR WEEKS\_CAL != ' ')

With this query we can check if jobs have a calendar selected (on days, months or specific calendar configured) and if the table/folder have a SYS parameter configured.

Always you have to check the table name on the database schema of your Control-M version.

Usually i export the information of the queries to an excel to check it or finish the report doing a filter or a graphic.

I hope this information will help you. If you have any question with how could search any information on Control-M Database, please ask me

And remember that you can consult any information in your Control-M Database

Note: To run queries, usually, i use SQL Developer application for Windows, but you can use sqlplus command in your Control-M Server host, for example.

Best Regards.

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From <[*https://communities.bmc.com/docs/DOC-40910*](https://communities.bmc.com/docs/DOC-40910)>

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If you are on the Control-M database itself and you just want the name of any job defined with '11111' as a condition then -

select JOBNAME, SCHEDTAB from CMS\_JOBDEF

where JOBNO in (

select JOBNO from CMS\_CON\_J where CONDNAME = '11111');

You can also just see input/output conditions with this -

select JOBNAME, SCHEDTAB from CMS\_JOBDEF

where JOBNO in (

select a.JOBNO from CMS\_CON\_J a, CMS\_CON\_J b

where a.JOBNO = b.JOBNO

and a.CONDNAME = '11111'

and b.OP = '+');

OR -

select JOBNAME, SCHEDTAB from CMS\_JOBDEF

where JOBNO in (

select a.JOBNO from CMS\_CON\_J a, CMS\_CON\_J b

where a.JOBNO = b.JOBNO

and a.CONDNAME = '11111'

and b.OP = '-');

From <[*https://communities.bmc.com/thread/120295?start=0&tstart=0*](https://communities.bmc.com/thread/120295?start=0&tstart=0)>

[**Control-M SQL Queries**](https://coolerandcalmer.blogspot.com/2016/09/control-m-sql-queries.html)

***You may watch the video here***

[***https://www.youtube.com/watch?v=qrC-JhJqfRg***](https://www.youtube.com/watch?v=qrC-JhJqfRg)

***These queries can also be automated using Control-M database. Run these queries against enterprise manager database. I have tested it on postgres. You may need to change syntax a bit as per database.***

***1--> To check number of jobs loaded daily***

select net\_date, jobs from net\_report;

***2--> To check number of jobs executed today***

SELECT job\_mem\_name , sched\_table as folder, application, start\_time, end\_time,

case when ended\_status=16 then 'Ended OK' else 'Not Ok' end as Status

from runinfo\_history

where start\_time > Current\_Date

***3--> To check number of jobs executed between a time period***

SELECT job\_mem\_name , sched\_table as folder, application, start\_time, end\_time,

case when ended\_status=16 then 'Ended OK' else 'Not Ok' end as Status

from runinfo\_history

where start\_time  between '2016-09-01 00:00:00' and '2016-09-10 23:59:59'

***4--> To check number of failed jobs today***

SELECT job\_mem\_name , sched\_table as folder, application, start\_time, end\_time,

case when ended\_status=16 then 'Ended OK' else 'Not Ok' end as Status

from runinfo\_history

where start\_time > Current\_Date

and ended\_status=32

***5--> To check number of failed jobs between a time period***

SELECT job\_mem\_name , sched\_table as folder, application, start\_time, end\_time,

case when ended\_status=16 then 'Ended OK' else 'Not Ok' end as Status

from runinfo\_history

where start\_time  between '2016-09-01 00:00:00' and '2016-09-10 23:59:59'

and ended\_status=32

***6--> To check number of jobs which completed successfully today***

SELECT job\_mem\_name , sched\_table as folder, application, start\_time, end\_time,

case when ended\_status=16 then 'Ended OK' else 'Not Ok' end as Status

from runinfo\_history

where start\_time > Current\_Date

and ended\_status=16

***7--> To check number of jobs which completed successfully between a time period***

SELECT job\_mem\_name , sched\_table as folder, application, start\_time, end\_time,

case when ended\_status=16 then 'Ended OK' else 'Not Ok' end as Status

from runinfo\_history

where start\_time  between '2016-09-01 00:00:00' and '2016-09-10 23:59:59'

and ended\_status=16

***8--> To check number of jobs which executed on a particular server in a time period***

SELECT job\_mem\_name , sched\_table as folder, application, start\_time, end\_time,

case when ended\_status=16 then 'Ended OK' else 'Not Ok' end as Status , node\_id as Server

from runinfo\_history

where start\_time  between '2016-09-01 00:00:00' and '2016-09-10 23:59:59'

and ended\_status=16 and node\_id='<Server IP or Hostname>'

***9--> To check count of jobs which ended ok and not ok today***

select 'OK' Status, sum( case when ended\_status=16 then 1 else 0 end) as Count from runinfo\_history where ended\_status=16

and start\_time > current\_date

group by ended\_status

union all

select 'Not OK' Status, sum( case when ended\_status=32 then 1 else 0 end) as Count from runinfo\_history where ended\_status=32

and start\_time> current\_date

group by ended\_status

***10--> To check count of success and failed jobs for a particular application folder***

select \* from

(

select 'OK' Status, sum( case when ended\_status=16 then 1 else 0 end) as Count from runinfo\_history where ended\_status=16

and start\_time Between '2016-09-01 00:00:00' and '2016-09-30 23:59:59' and application like '%a%'

group by ended\_status

union all

select 'Not OK' Status, sum( case when ended\_status=32 then 1 else 0 end) as Count from runinfo\_history where ended\_status=32

and start\_time Between '2016-09-01 00:00:00' and '2016-09-30 23:59:59' and application like '%a%'

group by ended\_status

) Table1

***11--> To check count of success and failed jobs , application wise***

select \* from

(

select application, 'OK' Status, sum( case when ended\_status=16 then 1 else 0 end) as Count from runinfo\_history where ended\_status=16

and start\_time Between '2016-09-01 00:00:00' and '2016-09-30 23:59:59'

group by application, ended\_status

union all

select application, 'Not OK' Status, sum( case when ended\_status=32 then 1 else 0 end) as Count from runinfo\_history where ended\_status=32

and start\_time Between '2016-09-01 00:00:00' and '2016-09-30 23:59:59'

group by application, ended\_status

) Table1

order by 1

From <[*https://coolerandcalmer.blogspot.com/2016/09/*](https://coolerandcalmer.blogspot.com/2016/09/)>