# 创建job

Name : QZJ_DAILY_V21
Type : PL/SQL Block
Action :

```
begin
    SP_QZJ_DAILY_V21;
end;
```

Start Date : 2017/12/27 13:00
Frequency : Hourly
Interval : 24
Job class : DEFAULT_JOB_CLASS

解决方法 ： grant create job to qzj_etl_v21;
参考 ： https://community.oracle.com/thread/2405909

参考 ：
以命令行形式创建、执行、删除job

**DBMS_JOB.SUBMIT**

To submit a job to the job queue, use the following syntax:

```
DBMS_JOB.SUBMIT(
   job       OUT    BINARY_INTEGER,
   what      IN     VARCHAR2, NEXT_DATE IN DATE DEFAULTSYSDATE,
   interval  IN     VARCHAR2 DEFAULT 'NULL',
   no_parse  IN     BOOLEAN DEFAULT FALSE,
   instance  IN     BINARY_INTEGER DEFAULT ANY_INSTANCE,
   force     IN     BOOLEAN DEFAULT FALSE);
```

## DBMS_SCHEDULER.CREATE_JOB Procedure

Creates a job in a single call without using an existing program or schedule:

```
DBMS_SCHEDULER.CREATE_JOB (
   job_name             IN VARCHAR2,
   job_type             IN VARCHAR2,
   job_action           IN VARCHAR2,
   number_of_arguments  IN PLS_INTEGER              DEFAULT 0,
   start_date           IN TIMESTAMP WITH TIME ZONE DEFAULT NULL,
   repeat_interval      IN VARCHAR2                 DEFAULT NULL,
   end_date             IN TIMESTAMP WITH TIME ZONE DEFAULT NULL,
   job_class            IN VARCHAR2                 DEFAULT 'DEFAULT_JOB_CLASS',
   enabled              IN BOOLEAN                  DEFAULT FALSE,
   auto_drop            IN BOOLEAN                  DEFAULT TRUE,
   comments             IN VARCHAR2                 DEFAULT NULL,
   credential_name      IN VARCHAR2                 DEFAULT NULL,
   destination_name     IN VARCHAR2                 DEFAULT NULL);
```

对于oracle的数据管理，不要依赖toad，用命令行操作照样便利。

1.创建job  www.2cto.com

```
declare
planloadjob number;

begin
   dbms_job.submit(
                planloadjob ,
                'WDS.planload_capture_from_cd(20);',
                sysdate,
                'sysdate + 15/1440'
                );
   commit;
```

```
end;
  www.2cto.com
2.执行job
begin
   dbms_job.run(7374893);
   COMMIT;
end;

3.删除job
BEGIN
  SYS.DBMS_JOB.REMOVE(7374892);
COMMIT;
END;
```

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```
begin
  sys.dbms_scheduler.create_job(job_name           => 'QZJ_ETL_V21.QZJ_DAILY_V21',
                                job_type           => 'PLSQL_BLOCK',
                                job_action         => 'begin
  SP_QZJ_DAILY_V21;
  end;',
                                start_date         => to_date('27-12-2017 13:00:00', 'dd-mm-yyyy hh24:mi:ss'),
                                repeat_interval    => 'Freq=Daily;Interval=1',
                                end_date           => to_date(null),
                                job_class          => 'DEFAULT_JOB_CLASS',
                                enabled            => true,
                                auto_drop          => false,
                                comments           => '');
end;
/
```

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```
SQL> select count(*) from user_scheduler_jobs;
  COUNT(*)
----------
         1

SQL>
SQL> desc user_scheduler_jobs
Name                          Type                          Nullable Default Comments
----------------------------- ----------------------------- -------- ------- ------------------------------------------------
------------------------------
JOB_NAME                      VARCHAR2(30)                  Y                Name of the scheduler job
JOB_SUBNAME                   VARCHAR2(30)                  Y                Subname of the scheduler job (for a job running a
chain step)
JOB_STYLE                     VARCHAR2(11)                  Y                Job style - regular, lightweight or volatile
JOB_CREATOR                   VARCHAR2(30)                  Y                Original creator of this job
CLIENT_ID                     VARCHAR2(64)                  Y                Client id of user creating this job
GLOBAL_UID                    VARCHAR2(32)                  Y                Global uid of user creating this job
PROGRAM_OWNER                 VARCHAR2(4000)                Y                Owner of the program associated with the job
PROGRAM_NAME                  VARCHAR2(4000)                Y                Name of the program associated with the job
JOB_TYPE                      VARCHAR2(16)                  Y                Inlined job action type
JOB_ACTION                    VARCHAR2(4000)                Y                Inlined job action
```

| | | | |
|---|---|---|---|
| NUMBER_OF_ARGUMENTS | NUMBER | Y | Inlined job number of arguments |
| SCHEDULE_OWNER | VARCHAR2(4000) | Y | Owner of the schedule that this job uses (can be a window or window group) |
| SCHEDULE_NAME | VARCHAR2(4000) | Y | Name of the schedule that this job uses (can be a window or window group) |
| SCHEDULE_TYPE | VARCHAR2(12) | Y | Type of the schedule that this job uses |
| START_DATE | TIMESTAMP(6) WITH TIME ZONE | Y | Original scheduled start date of this job (for an inlined schedule) |
| REPEAT_INTERVAL | VARCHAR2(4000) | Y | Inlined schedule PL/SQL expression or calendar string |
| EVENT_QUEUE_OWNER | VARCHAR2(30) | Y | Owner of source queue into which event will be raised |
| EVENT_QUEUE_NAME | VARCHAR2(30) | Y | Name of source queue into which event will be raised |
| EVENT_QUEUE_AGENT | VARCHAR2(256) | Y | Name of AQ agent used by user on the event source queue (if it is a secure queue) |
| EVENT_CONDITION | VARCHAR2(4000) | Y | Boolean expression used as subscription rule for event on the source queue |
| EVENT_RULE | VARCHAR2(65) | Y | Name of rule used by the coordinator to trigger event based job |
| FILE_WATCHER_OWNER | VARCHAR2(130) | Y | Owner of file watcher on which this job is based |
| FILE_WATCHER_NAME | VARCHAR2(130) | Y | Name of file watcher on which this job is based |
| END_DATE | TIMESTAMP(6) WITH TIME ZONE | Y | Date after which this job will no longer run (for an inlined schedule) |
| JOB_CLASS | VARCHAR2(30) | Y | Name of job class associated with the job |
| ENABLED | VARCHAR2(5) | Y | Whether the job is enabled |
| AUTO_DROP | VARCHAR2(5) | Y | Whether this job will be dropped when it has completed |
| RESTARTABLE | VARCHAR2(5) | Y | Whether this job can be restarted or not |
| STATE | VARCHAR2(15) | Y | Current state of the job |
| JOB_PRIORITY | NUMBER | Y | Priority of the job relative to others within the same class |
| RUN_COUNT | NUMBER | Y | Number of times this job has run |
| MAX_RUNS | NUMBER | Y | Maximum number of times this job is scheduled to run |
| FAILURE_COUNT | NUMBER | Y | Number of times this job has failed to run |
| MAX_FAILURES | NUMBER | Y | Number of times this job will be allowed to fail before being marked broken |
| RETRY_COUNT | NUMBER | Y | Number of times this job has retried, if it is retrying. |
| LAST_START_DATE | TIMESTAMP(6) WITH TIME ZONE | Y | Last date on which the job started running |
| LAST_RUN_DURATION | INTERVAL DAY(9) TO SECOND(6) | Y | How long the job took last time |
| NEXT_RUN_DATE | TIMESTAMP(6) WITH TIME ZONE | Y | Next date the job is scheduled to run on |
| SCHEDULE_LIMIT | INTERVAL DAY(3) TO SECOND(0) | Y | Time in minutes after which a job which has not run yet will be rescheduled |
| MAX_RUN_DURATION | INTERVAL DAY(3) TO SECOND(0) | Y | This column is reserved for future use |
| LOGGING_LEVEL | VARCHAR2(11) | Y | Amount of logging that will be done pertaining to this job |
| STOP_ON_WINDOW_CLOSE | VARCHAR2(5) | Y | Whether this job will stop if a window it is associated with closes |
| INSTANCE_STICKINESS | VARCHAR2(5) | Y | Whether this job is sticky |
| RAISE_EVENTS | VARCHAR2(4000) | Y | List of job events to raise for this job |
| SYSTEM | VARCHAR2(5) | Y | Whether this is a system job |
| JOB_WEIGHT | NUMBER | Y | Weight of this job |
| NLS_ENV | VARCHAR2(4000) | Y | NLS environment of this job |
| SOURCE | VARCHAR2(128) | Y | Source global database identifier |
| NUMBER_OF_DESTINATIONS | NUMBER | Y | |
| DESTINATION_OWNER | VARCHAR2(256) | Y | Owner of destination object (if used) else NULL |
| DESTINATION | VARCHAR2(256) | Y | Destination that this job will run on |
| CREDENTIAL_OWNER | VARCHAR2(30) | Y | Owner of login credential |
| CREDENTIAL_NAME | VARCHAR2(30) | Y | Name of login credential |
| INSTANCE_ID | NUMBER | Y | Instance user requests job to run on. |

| | | | |
|---|---|---|---|
| DEFERRED_DROP | VARCHAR2(5) | Y | Whether this job will be dropped when completed due to user request. |
| ALLOW_RUNS_IN_RESTRICTED_MODE | VARCHAR2(5) | Y | |
| COMMENTS | VARCHAR2(240) | Y | Comments on the job |
| FLAGS | NUMBER | Y | This column is for internal use. |

SQL>
SQL>