

Oracle: Génération de dates pour un interval

Voici comment générer des dates avec un seul SELECT, sur un interval défini selon les bornes suivantes :

DATE MINIMALE (incluse) : En Vert

DATE MAXIMALE (incluse) : En Bleu

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Solution 1 :Version simple :

```
SELECT TO_DATE ('2014-01-01', 'YYYY-MM-DD') - 1 + rownum AS dtdate
  FROM dual CONNECT BY LEVEL <= (TO_DATE ('2015-01-01',
'YYYY-MM-DD') - TO_DATE ('2014-01-01', 'YYYY-MM-DD'))
```

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Solution 2 :Version avancée :

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Ce SELECT pourrait être utilisé pour alimenter par exemple, une dimension de type Date.

SELECT

```
to_number(TO_CHAR(CurrDate, '&#39;YYYYMMDD&#39;)) AS iddate,
CurrDate AS dtdate,
-----Jour
to_number(TO_CHAR(CurrDate, '&#39;YYYYDD&#39;)) AS idjour,
to_number(TO_CHAR(CurrDate, '&#39;DD&#39;)) AS nbjour,
LPAD(TO_CHAR(CurrDate, '&#39;DD&#39;'), 2, '&#39;0&#39;') AS txjour,
to_number(TO_CHAR(CurrDate, '&#39;D&#39;')) AS nbjoursemaine,
LPAD(TO_CHAR(CurrDate, '&#39;D&#39;'), 2, '&#39;0&#39;') AS txjoursemaine,
to_number(TO_CHAR(CurrDate, '&#39;DDD&#39;')) AS nbjourannee,
LPAD(TO_CHAR(CurrDate, '&#39;DDD&#39;'), 3, '&#39;0&#39;') AS txjourannee,
TO_CHAR(CurrDate, '&#39;Day&#39;') AS
txjoursemainecomplet,
REGEXP_REPLACE(TO_CHAR(CurrDate, '&#39;DAY D MONTH YYYY&#39;'), '&#39;({2,}&#39;,&#39; &#39;)&#39; AS txjourcomplet,
CurrDate - 1 AS dtjourprecedent,
CurrDate + 1 AS dtjoursuivant,
-----Semaine
to_number(TO_CHAR(CurrDate+1, '&#39;YYYYIW&#39;')) AS idsemaineannee,
to_number(TO_CHAR(CurrDate+1, '&#39;IW&#39;')) AS nbsemaineannee,
LPAD(TO_CHAR(CurrDate+1, '&#39;IW&#39;'), 2, '&#39;0&#39;') AS txsemaineannee,
&#39;Semaine &#39; || LPAD(TO_CHAR(CurrDate+1, '&#39;IW&#39;'), 2, '&#39;0&#39;') AS
```

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txsemaineanneecomplet,

-----Mois

to_number(TO_CHAR(CurrDate,'YYYYMM')) AS idmois,

to_number(TO_CHAR(CurrDate,'MM')) AS nbmois,

LPAD(TO_CHAR(CurrDate,'MM'), 2,'0') AS txmois,

TO_CHAR(CurrDate,'Month') AS txmoiscomplet,

-----Trimestre

to_number((TO_CHAR(CurrDate,'YYYYQ'))) AS idtrimestre,

to_number((TO_CHAR(CurrDate,'Q'))) AS nbtrimestre,

LPAD(TO_CHAR(CurrDate,'Q'), 2,'0') AS txtrimestre,

'Trimestre ' || LPAD(TO_CHAR(CurrDate,'Q'), 2,'0') AS
txtrimestrecomplet,

-----Semestre

to_number(TO_CHAR(CurrDate,'YYYY') ||
TRANSLATE(TO_CHAR(CurrDate,'Q'), '1234','1122')) AS
idsemestre,

to_number(TRANSLATE(TO_CHAR(CurrDate,'Q'), '1234','1122'))
AS nbsemestre,

LPAD(TRANSLATE(TO_CHAR(CurrDate,'Q'), '1234','1122'),
2,'0') AS txsemestre,

'Semestre ' || LPAD(TRANSLATE(TO_CHAR(CurrDate,'Q'),
'1234','1122'), 2,'0') AS txsemestrecomplet,

-----Annee

to_number(TO_CHAR(CurrDate,'YYYY')) AS idannee,

to_number(TO_CHAR(CurrDate,'YYYY')) AS nbannee,

TO_CHAR(CurrDate,'YYYY') AS txannee,

'Année ' || TO_CHAR(CurrDate,'YYYY') AS txanneecomplet

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FROM

(SELECT LEVEL n,

TO_DATE('01/01/2014','DD/MM/YYYY') + NUMTODSINTERVAL(level - 1,'day')

CurrDate

FROM dual

CONNECT BY level <= (TO_DATE('31/12/2014','DD/MM/YYYY') + 1) -

TO_DATE('01/01/2014','DD/MM/YYYY'))

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