

从Unix到Oracle的日期转换 PDF转换可能丢失图片或格式，建议阅读原文

https://www.100test.com/kao_ti2020/462/2021_2022__E4_BB_8EUnix_E5_88_B0_c102_462372.htm

```
CREATE OR REPLACE
FUNCTION Unix_To_Oracle_Date ( p_unix_date IN NUMBER,
-- Range of >= 0 p_num_hr_gmt_diff IN PLS_INTEGER -- Range
of -24 to 24 ) RETURN DATE AS /* Function Name:
```

Unix_To_Oracle_Date Purpose: To calculate an Oracle date based on a Unix GMT date in seconds, since the epoch of Unix (January 1st, 1970). The date returned will be based on the number of hours the oracle database system clock is either ahead or behind the Greenwich Mean Time line. If the parameters do not fall within the specified ranges then the returned date will be NULL. Developer

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Giovanni@CheckOut.com Creation Date: Copyright ?

CheckOut.com December 2, 1999 www_bitscn_com Parameters:

p_unix_date of NUMBER type (Range is > 0 only)

p_num_hr_gmt_diff of PLS_INTEGER type (Range -24 to 24)

Input: NONE Output: NONE Returned value: DATE :=

```
Unix_To_Oracle_Date(p_Unix_Date). */ -- CONSTANTS --
```

These 2 CONSTANTS below are of POSITIVE type to indicate that they -- CANNOT be less than 1

```
c_SECONDS_IN_DAY
```

```
CONSTANT POSITIVE := 86400. c_HOURS_IN_DAY
```

```
CONSTANT POSITIVE := 24.
```

```
c_UNIX_EPOCH_DATE_TIME_STRING CONSTANT
```

```
VARCHAR2(50) := 01/01/1970 00:00:00. c_DATE_FORMAT
```

```
CONSTANT VARCHAR2(50) := MM/DD/YYYY HH24:MI:SS.  
-- VARIABLES v_sql_code PLS_INTEGER. v_sql_error_message  
VARCHAR2(512). -- The 2 variables have to be of NUMBER type  
because a PLS_INTEGER divided by -- another PLS_INTEGER can  
result in a fraction, thus the result must be of -- NUMBER type only  
v_unix_seconds NUMBER. v_gmt_time_gap NUMBER.  
v_return_value DATE. BEGIN IF(NOT (p_num_hr_gmt_diff NOT  
(p_num_hr_gmt_diff > (c_HOURS_IN_DAY)))) THEN  
v_unix_seconds := (p_unix_date / c_SECONDS_IN_DAY).  
v_gmt_time_gap := (p_num_hr_gmt_diff / c_HOURS_IN_DAY).  
v_return_value :=  
TO_DATE(c_UNIX_EPOCH_DATE_TIME_STRING,  
c_DATE_FORMAT) v_unix_seconds v_gmt_time_gap. ELSE  
v_return_value := NULL. END IF. RETURN(v_return_value).  
EXCEPTION WHEN OTHERS THEN v_sql_code := SQLCODE.  
v_sql_error_message := SQLERRM(v_sql_code).  
DBMS_OUTPUT.PUT_LINE(OTHER ERROR).  
DBMS_OUTPUT.PUT_LINE(v_sql_error_message). END  
Unix_To_Oracle_Date. 100Test 下载频道开通，各类考试题目  
直接下载。详细请访问 www.100test.com
```