

DISPLAYING ELAPSED TIME BETWEEN TWO DATES IN ORACLE.

If you need to determine the elapsed time in hours, minutes and second between two dates for reporting or analysis purposed, here is a handy function to use.

Create the function then call the function within your sql with date from and date too parameters.

```
CREATE OR REPLACE FUNCTION get_elapsed_time(p_date_from IN DATE, p_date_to IN DATE) RETURN VARCHAR2 IS
```

```
START_TIMENUM    NUMBER;  
ELT              NUMBER;  
ES              NUMBER;  
x               VARCHAR2(500);
```

```
BEGIN
```

```
ELT := P_DATE_TO - P_DATE_FROM;
```

```
x:= Ltrim(To_char(Trunc(ELT*24), '99900')) || ':'  
  || Ltrim(To_char(Mod(Trunc(ELT*1440),60), '00')) || ':'  
  || Ltrim(To_char(Mod(Trunc(ELT*86400),60) , '00'));
```

```
DBMS_OUTPUT.PUT_LINE(x);
```

```
RETURN(x);
```

```
END GET_ELAPSED_TIME;
```

Example results: Let say you needed to know how long it took from the time a Purchase order was created to when it was approved. Simply substracting the dates gives you decimal values in days, this function returns the detail of hours, minutes and seconds.

```
SELECT segment1 PO_NUM,creation_date,approved_date,  
       approved_date - creation_date "Standard Oracle value",  
       APPS.GET_ELAPSED_TIME ( creation_date, approved_date ) "ELAPSED HR:MI:SS"  
FROM po_headers_all  
WHERE approved_date IS NOT NULL
```

PO_NUM	CREATION_DATE	APPROVED_DATE	Standard Oracle value	ELAPSED HR:MI:SS
119642	7/5/2012 12:59:47 PM	7/6/2012 2:31:40 PM	1.06380787037037	25:31:53
119643	7/5/2012 1:23:24 PM	7/5/2012 1:28:19 PM	0.00341435185185185	00:04:55
119644	7/5/2012 1:36:51 PM	7/9/2012 9:56:31 PM	4.34699074074074	104:19:39
119645	7/5/2012 1:47:41 PM	7/6/2012 10:11:55 AM	0.850162037037037	20:24:14
119646	7/5/2012 1:53:00 PM	7/5/2012 1:59:09 PM	0.004270833333333333	00:06:09
119647	7/5/2012 1:56:48 PM	7/5/2012 2:04:19 PM	0.00521990740740741	00:07:31
119648	7/5/2012 2:04:31 PM	7/5/2012 5:14:48 PM	0.132141203703704	03:10:17
119649	7/5/2012 3:04:11 PM	7/5/2012 3:06:18 PM	0.00146990740740741	00:02:07
119650	7/5/2012 3:11:19 PM	7/5/2012 3:17:00 PM	0.00394675925925926	00:05:41