

How to convert TDateTime to a UNIX timestamp and vice versa

Databases in general require UNIX timestamps when reading/writing a time field. *TDateTime* is specific to Object Pascal. What if you want to save a date value in your applications database? Well, conversions (back and forth) are quite simple. The code is included below.

```
const
  UnixStartDate: TDateTime = 25569.0; // 01/01/1970

function DateTimeToUnix(dtDate: TDateTime): Longint;
begin
  Result := Round((dtDate - UnixStartDate) * 86400);
end;

function UnixToDateTime(USec: Longint): TDateTime;
begin
  Result := (USec / 86400) + UnixStartDate;
end;
```

You can find *very similar routines* in the *Code Snippets Database*.

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Added:	2007-06-02
Last updated:	2013-10-12

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