

Crystal Reports Technical Document

Subject: Converting a seconds displayed in CR to a 24 hour format
Date: November 16, 1993
Versions: CRW for VB, or 2.0 Pro upgrades from VB

Situation: When a time is displayed in seconds on a report, how do you convert it to the 24 hour format.

Solution:

Insert a formula field into your report using the following formula:

```
// Ensuring that the time in seconds is not greater than 23:59:59 in 24 hour time, and //converting it if the number is found to be greater.
```

```
NumberVar TotSeconds := ToNumber({Customer Table2.Time});  
If TotSeconds > 86399 Then  
    TotSeconds:= TotSeconds - 86399  
Else  
    TotSeconds:= TotSeconds;
```

```
// Extracting the hours from a time field displayed in seconds.
```

```
NumberVar Hours;  
NumberVar Tothours:= TotSeconds;  
If Tothours / 3600 > 0 Then  
    Hours:= Truncate(Tothours / 3600)  
Else  
    Hours:=0;
```

```
NumberVar Totmins:= Tothours - (Hours * 3600);
```

```
// Extracing the minutes from a time field displayed in seconds.
```

```
NumberVar Mins;  
If Totmins / 60 > 0 Then  
    Mins:= Truncate(Totmins / 60)  
Else  
    Mins:= 0;
```

```
// Extracting the seconds from a 24 hour time displayed in seconds.
```

```
NumberVar Secs:= (Totmins - (Mins * 60));
```

```
// Placing a leading zero for hours less than ten
```

```
If Hours < 10 Then  
    StringVar HH := "0" + ToText(Hours)  
Else  
    StringVar HH := Totext(Hours);
```

```
// Inserting a leading zero for minutes less than 10.
```

{timeconv.doc}

```
If Mins < 10 Then
  StringVar MM := "0" + ToText(Mins)
Else
  StringVar MM := ToText(Mins);

// Inserting a leading zero for seconds less than 10.

If Secs < 10 Then
  StringVar SS := "0" + ToText(Secs)
Else
  StringVar SS := ToText(Secs);

// Output line in the time formula field.

HH[1 to 2] + ":" + MM[1 to 2] + ":" + SS[1 to 2];
```