

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];
```