

# Concurrency error on Insert

---

*Source:* <http://www.tech-archive.net/Archive/Data/microsoft.public.data.ado/2007-01/msg00043.html>

---

- *From:* PickwickBob3 <[PickwickBob3@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:PickwickBob3@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)>
  - *Date:* Wed, 17 Jan 2007 09:24:03 -0800
- 

I have an occasional concurrency error on inserting a row into sql database.  
It occurs every 4-6 th time a row is added. Here is the code.

StoredProcedure:

```
ALTER PROCEDURE dbo.InsertPatientData
```

```
(
```

```
@Stat char(10),  
@AppTime DateTime,  
@PatientName char(20),  
@ChartNumber char(15),  
@Dictated char(15),  
@WaveFile char(30),  
@PhysicianNumber char(4),  
@Letter char(10),  
@Date DateTime,  
@TranscriptionStatus char(10),  
@LocationIndex int,  
@Identity bigint OUTPUT
```

```
)
```

```
AS
```

```
INSERT INTO PatientData
```

```
( AppTime, PatientName, ChartNumber, Dictated,  
PhysicianNumber, Stat, Date, WaveFile,  
Letter,TranscriptionStatus,LocationIndex)
```

```
VALUES ( @AppTime, @PatientName, @ChartNumber, @Dictated,  
@PhysicianNumber, @Stat, @Date, @WaveFile,  
@Letter,@TranscriptionStatus,@LocationIndex)
```

```
/* SET NOCOUNT ON */
```

```
SET @Identity = SCOPE_IDENTITY()
```

The Code:

```
SqlConnection con = new
```

```
SqlConnection(sqlConnection1.ConnectionString);//connectionString
```

```
DateTime datatime = (DateTime)dataView1[hi.Row][1];//get time of present
```

```
record
```

```
datatime = datatime.AddSeconds(5); //add 5 seconds to time
```

```
SqlDataAdapter catDa = new SqlDataAdapter("SELECT
```

```
Number,AppTime,PatientName,ChartNumber,Dictated,WaveFile,PhysicianNumber,Stat,Date,Letter,TranscriptionStat
```

## Concurrency error on Insert

```
FROM PatientData WHERE (PhysicianNumber =@PhysicianNumber)AND (Date = @Date)
",con);
catDa.InsertCommand= new SqlCommand("InsertPatientData",con);
catDa.InsertCommand.CommandType = CommandType.StoredProcedure;
catDa.InsertCommand.Parameters.Add("@Stat",SqlDbType.Char,10,"Stat");
catDa.InsertCommand.Parameters.Add("@AppTime",SqlDbType.DateTime,
8,"AppTime");
catDa.InsertCommand.Parameters.Add("@PatientName",SqlDbType.Char,20,"PatientName");
catDa.InsertCommand.Parameters.Add("@ChartNumber",SqlDbType.Char,15,"ChartNumber");
catDa.InsertCommand.Parameters.Add("@Dictated",SqlDbType.Char,15,"Dictated");
catDa.InsertCommand.Parameters.Add("@WaveFile",SqlDbType.Char,30,"WaveFile");
catDa.InsertCommand.Parameters.Add("@PhysicianNumber",SqlDbType.Char,4,"PhysicianNumber");
catDa.SelectCommand.Parameters.Add("@PhysicianNumber",SqlDbType.Char,4,"PhysicianNumber");
catDa.SelectCommand.Parameters.Add("@Date",SqlDbType.DateTime,8,"Date");
catDa.InsertCommand.Parameters.Add("@Letter",SqlDbType.Char,10,"Stat");
catDa.SelectCommand.Parameters["@Date"].Value =
currentDateNow.ToShortDateString();//datetime.Date.ToString();
catDa.SelectCommand.Parameters["@PhysicianNumber"].Value = phyNo;
catDa.InsertCommand.Parameters["@AppTime"].Value = datetime;
catDa.InsertCommand.Parameters.Add("@Date",SqlDbType.DateTime,8,"Date");
catDa.InsertCommand.Parameters.Add("@TranscriptionStatus",SqlDbType.Char,10,"TranscriptionStatus");
catDa.InsertCommand.Parameters.Add("@LocationIndex",SqlDbType.Int,4,"LocationIndex");
SqlParameter myParm =
catDa.InsertCommand.Parameters.Add("@Identity",SqlDbType.BigInt,0,"Number");
myParm.Direction = ParameterDirection.Output;
con.Open();
dataSet21.Clear();
int i = catDa.Fill(dataSet21,"PatientData");
DataRow newRow = dataSet21.Tables["PatientData"].NewRow();
newRow["AppTime"]= datetime;
newRow["PatientName"] = this.additonString.ToString();
newRow["ChartNumber"] = dataView1[hi.Row][3].ToString() ;
newRow["Dictated"] = "FALSE";
newRow["WaveFile"]= null;
newRow["PhysicianNumber"] = dataView1[hi.Row][6].ToString() ;// physno.
newRow["Stat"] = dataView1[hi.Row][7].ToString() ;// stat.
newRow["Letter"] = dataView1[hi.Row][8].ToString() ;// letter.
newRow["Date"] =
(DateTime)currentDateNow.Date;//datetime.Date.ToString();datetime.Date.ToShortDateString();
newRow["TranscriptionStatus"] = " ";
newRow["LocationIndex"] = 0;
dataSet21.Tables["PatientData"].Rows.Add(newRow);
int y = catDa.Update(dataSet21,"PatientData");
con.Close();
```

Can someone offer some advice as to where to start troubleshooting this problem?

How can I determine what caused the error. The table is set up to Identity Increment. Thanks.

---

BP

.