

Enterprise Mgr – alter table fails

Source:

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My developers just started having this problem a few weeks ago. Nearly any type of "design" table changes are failing in Enterprise Mgr. This only seems to be happening on the servers running Enterprise Edition. Standard Edition and MSDE do not have the problem.

All are running SQL2000 – SP4. Some servers are Win2000 Server SP4 and others are Win2003 Server – SP4. The Windows version does not seem to matter. I am not aware of any maintenance applied to the SQL servers, but all workstations have recently had automatic updates turned on and have received some updates.

Here is the most common example. The developer needs to change the length of a field in a table. They use Enterprise Mgr, right click on the table and select "design". They make their change and when they hit save, they get the following error. (There is no data in the table.)

```
'prob1' table
– Unable to create index 'PK_prob1'.
ODBC error: MicrosoftODBC SQL Server DriverSQL ServerTable 'prob1'
already has a primary key defined on it.
MicrosoftODBC SQL Server DriverSQL ServerCould not create constraint.
See previous errors.
```

I can not just tell them to switch over and use Query Analyzer. Some of these people have little or no SQL knowledge and would never make it through alter table statements. They build tables for their front page apps and that's as far as they get into SQL.

Any thoughts would be helpful. I've scoured support and newsgroups and can only find old 6.5 and 7.0 reports. I've included the DDL to create the table if needed. I get the error just changing F2 from 20 to 25 for example.

```
if exists (select * from dbo.sysobjects where id =
object_id(N'dbo.prob1') and OBJECTPROPERTY(id, N'IsUserTable') = 1)
```

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```
drop table dbo.prob1  
GO
```

```
CREATE TABLE dbo.prob1 (  
f1 char (10) NOT NULL ,  
f2 char (20) NULL ,  
f3 char (30) NULL  
) ON PRIMARY  
GO
```

```
ALTER TABLE dbo.prob1 ADD  
CONSTRAINT PK_prob1 PRIMARY KEY CLUSTERED  
(  
f1  
) ON PRIMARY  
GO
```

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