DatabaseGeneratedOption.Identity not generating an Id

8

▲

▼

★

1

Using EntityFramework code-first, I've created a simple `Foo` table. Here's my entity:

```
public class Foo
{
    [DatabaseGenerated(DatabaseGeneratedOption.Identity)]
    public virtual string Id { get; set; }

    public virtual string Name { get; set; }
}
```

However whenever I try to insert a new row, I get a `Cannot insert the value NULL into column 'Id'`. Why is this happening when I've added a `DatabaseGenerated` attribute? Deleting and recreating my table makes no difference.

`c#`   `asp.net-mvc`   `entity-framework`

edited Feb 26 '14 at 7:01   asked Feb 25 '14 at 22:33

Stu1986C   Jonathan
913   1   15   28   **5,957**   14   63   93

Does the table that's created show that the `Id` column is marked as `IDENTITY` ? What's the underlying database? MS SQL? Oracle? – D Stanley Feb 25 '14 at 22:44

@DStanley The `Id` column isn't marked as identity. The underlying database is MS SQL. – Jonathan Feb 25 '14 at 22:49

What version of EF are you using? – D Stanley Feb 25 '14 at 22:50

Has anything else changed? The schema name? The connection string? – D Stanley Feb 25 '14 at 22:52

@DStanley I'm using EF6. Nothing else has changed (and I keep recreating the DB, so I'm not sure it would matter if I had). – Jonathan Feb 25 '14 at 23:17

Join Stack Overflow to learn, share knowledge, and build your career.

Email Sign Up   OR SIGN IN WITH   G Google   Facebook ✕

10

Identities for `string` column types are not supported with SQL Server. (How do you expect such a string to look like?) To get this working you could - for example - add a computed column/user defined function in SQL Server that formats a string from an ordinary int identity column - as shown here.

answered Feb 25 '14 at 23:07

Slauma
151k   52   361   388

I was following the lead of asp.net's IdentityUser, which uses a string for the id. column. Any idea how the value is generated in this instance? – Jonathan   Feb 25 '14 at 23:15 ✎

1   @Jonathan: I don't know, but I could imagine it's simply not database generated but a string you have to manually set as a unique value (like a user name or a guid converted to a string). – Slauma Feb 25 '14 at 23:46

Hey Slauma. you are really expert. thanks. ;) – mahdi moghimi May 15 '18 at 8:23

7

1. you forgot the `Key` attribute. and there is no need to use `virtual` for primary key.

2. as mentioned by Slauma you can't use `Identity` for string datatype.

Try this code:

```csharp
public class Foo
{
    [Key]
    [DatabaseGenerated(DatabaseGeneratedOption.Identity)]
    public int Id { get; set; }

    public virtual string Name { get; set; }
}
```

edited Feb 25 '14 at 23:08   answered Feb 25 '14 at 22:53

Ali Adlavaran
2,646   2   17   39

though. – David McLean Oct 8 '14 at 17:19 ✎

I know this is old, but is the `long` data type allowed with the [Key] attribute? – Sal Alturaigi Dec 13 '16 at 7:37 ✎

Join Stack Overflow to learn, share knowledge, and build your career.

Email Sign Up   OR SIGN IN WITH   G **Google**   Facebook