

Use Roles in ASP.NET MVC 5 Identity 2.0



For the life of me I cannot figure out how to simply add roles to my MVC 5 application. This was such a breeze in MVC 4.

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The tables are there out of the box, `AspNetRoles`, which has an `Id` and `Name` ("Admin", "User", etc...) `AspNetUsers`, which has an `Id` and other user fields `AspNetUserRoles` - this table has a `UserId` and `RoleId`, which is mapped to the tables above.



I want to be able to check to see if a signed in user has the "admin" role or just a "user" role.



Here is what I have tried:

```
if (User.IsInRole("Admin"))
{
    //do something
}
```

The value always come back false.

I also tried:

```
var UserManager = new UserManager<ApplicationUser>(new UserStore<ApplicationUser>
(context));
var userRole = UserManager.GetRoles(user.GetUserId());
if (userRole[0] == "Admin")
{
    // do something
}
```

This throws error :

"Index was out of range. Must be non-negative and less than the size of the collection."

Is there a simple method that can get the role for the current logged in user? I have seen references to using `RoleManager` but I have

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edited Jun 22 '16 at 20:18



Peter Kellner

6,686 14 56 118

asked Jun 22 '16 at 18:57



Nova Development

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User is logged in? I use a UserManager to check: stackoverflow.com/questions/23049813/... – Steve Greene Jun 22 '16 at 20:52

2 Answers



3



The error is telling you that `userRole` is empty, as even an index of 0, is not "less than the size of the collection". That means, the user in question does not belong to any roles.

The methodology for this is really not much different than it ever has been. The role must exist, first, and the user needs to be associated with that role. As a result, the first step is to populate your roles:



```
db.Roles.Add(new Role { Name = "Admin" });
```

You can use `RoleManager` for this, but I find that to be overkill when you can just utilize the context directly.

Then:

```
UserManager.AddToRole(userId, "Admin");
```

That's literally all there is to it. If you like, you can override `Seed` in `Migrations\Configuration.cs` to seed some users/roles into the database automatically. For roles, that would just look like:

```
context.Roles.AddOrUpdate(
    r => r.Name,
    new Role { Name = "Admin" },
    ...
```

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Yes I have seen this. I had an empty table. My question was how do you check your role? I have `if(User.IsInRole("Admin"))` and that is always false. Thanks – [Nova Development](#) Jun 22 '16 at 19:54

qq: assuming local sqlserver with localdb and you open the identity db, do you see that you have any data present? I ran into an issue where I was trying to seed the database by creating users, I wasn't checking the `IdentityResult` which was always erroring and consequently my db was empty. – [Bill](#) Jun 22 '16 at 20:45

I had a similar problem. Using MySQL and I had this in my config file:

0

```
<providers>
  <provider invariantName="MySQL.Data.MySqlClient"
    type="MySQL.Data.MySqlClient.MySqlProviderServices, MySQL.Data.Entity.EF6,
    Version=6.9.6.0, Culture=neutral, PublicKeyToken=c5687fc88969c44d"></provider>
  <provider invariantName="System.Data.SqlClient"
    type="System.Data.Entity.SqlServer.SqlProviderServices, EntityFramework.SqlServer" />
</providers>
```

changed to:

```
<providers>
  <provider invariantName="MySQL.Data.MySqlClient"
    type="MySQL.Data.MySqlClient.MySqlProviderServices, MySQL.Data.Entity.EF6,
    Version=6.9.6.0, Culture=neutral, PublicKeyToken=c5687fc88969c44d"></provider>
</providers>
```

edited Apr 17 '18 at 13:32



[Paul Roub](#)

33.2k 8 61 76

answered Apr 17 '18 at 13:29



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