

Different results between declarative and imperative security

Source:

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Hi,

Can anyone tell me why I get two different results with the following 2 ways of checking to see if I'm in the Administrators group? This is in a Windows form in C#:

If I comment out the first line (the `PrincipalPermissionAttribute` line), then I get the message that I am an Administrator. Yet, when I uncomment the declarative security attribute then I get the error message: "Request for principal permission failed".

Seems like since I am in the local administrator's group that I should be allowed to access the class.

```
[PrincipalPermission(SecurityAction.Demand, Role="Administrators")]
public class Security_Test : System.Windows.Forms.Form
{
    /*
    ... Initialize Component stuff and Constructor removed for brevity
    */

    private void Security_Test_Load(object sender, System.EventArgs e)
    {
        AppDomain.CurrentDomain.SetPrincipalPolicy(PrincipalPolicy.WindowsPrincipal);
        WindowsPrincipal prin = (WindowsPrincipal)
        System.Threading.Thread.CurrentPrincipal;
        bool fAdmin = prin.IsInRole(WindowsBuiltInRole.Administrator);
        if(fAdmin)
        {
            MessageBox.Show(
            "You are a member of the Administrators group");
        }
    }
}
```

Thanks,
Karin

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