

Need help improving authorization

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I don't have a response in framework.aspnet, may be this one is a more appropriate group.

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Each of my intranet page (windows authentication) needs to validate user's roles stored in the database. Currently, I retrieve the the User.Identity.Name property, then query the database for user's roles everytime a page is loaded, which is very inefficient.

I think a more efficient approach would be to query the database only once for each user, the application_start event is probably the best place? Once this particular user's roles are retrieved, the roles can be concatenated as a delimited string and stored in cookie or a session variable. Then on each page load event, I just have to parse the roles string to apply authorization.

I believe this scheme will work. But it seems more like a hack than a design pattern or a best practice. I'm seeking a .NET elegant solution. Please advise.

TIA,
Andi