

## RE: Role Based Security Question

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Hi Mike,

I guess u could implement a well secured stuff if u can integrate ur windows Authentication with Active Directory" !(minimize calls to the database!) Which means ur ROles/Groups would be what u would be validating against and using "IsinRole" to implement Authorization..

Enjoy..

Patrick

\*\* For more questions post it\*\*

"Mike Logan" wrote:

> *Questions about Role Based Security in ASP.Net:*

>

> *I have a few questions about role based security in an ASP.Net application.*

> *Below are some points about our system:*

>

> - *We have a hierarchical roles system stored in a database.*

> - *We are also using Windows for authentication.*

> - *Page - Role relationships are also held in a database.*

> - *We have created a shared assembly for ease of use in applications.*

>

> *Here are the goals we are trying to accomplish:*

>

> *1. - If a page (i.e. /Dir1/Dir2/Page1.aspx) has not been entered into our system for the given application (i.e. /App1), throw an exception and let the*

> *application handle it. 2. - If a user is not in a role that is defined for*

> *the current page, throw an exception and let the application handle it. 3. -*

> *If two sibling roles (our roles are established in a hierarchy) have access*

> *to the same page, allow the application to use this construct to control page*

> *layout for different roles:*

>

> *If User.IsInRole("RoleName1") = True Then*

> *pnlRole1.Visible = True*

> *ElseIf User.IsInRole("RoleName2") = True Then*

> *pnlRole2.Visible = True*

>

> *Here is our current approach to solve each of these:*

- >
- > *For Goal 1, load all the Application Pages into the Application object on*
- > *Application\_Start and check the page for existence on each*
- > *Application\_BeginRequest. For Goal 2, load all the roles the user is in and*
- > *the pages the user has access to into the Session object on Session\_Start.*
- > *For Goal 3, load the roles into the IPrincipal interface to allow users to*
- > *use User.IsInRole("RoleName").*
- >
- > *Here are the questions:*
- >
- > *Do you think this is the best way? We are trying to minimize calls to the*
- > *database. We plan on testing this solution, and another solution using only*
- > *calls to the database and not storing data in the session or application*
- > *objects. Then use ACT to performance test each solution.*
- >
- > *We plan on placing the code/shared assembly into an HTTP Module that*
- > *attaches to global events like Session Start, Application Start,*
- > *AcquireRequestState, and etc. to check for security access. Is there any*
- > *better way?*
- >
- > *Is there anything else we should check into?*
- >
- > *TIA, Mike Logan*
- >
- >
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