

COM+ Role Based Security – calling secure method 1 from secure method 2

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Hello and thanks for reading.

I have implemented role-based security on some serviced components at method level and it works fine. However, method level isn't granular enough. I made the decision for my clients to call Method_1 and if they are in an appropriate COM+ role, the method call succeeds. Now, within Method_1, I want to inspect the parameters that are passed in and in certain circumstances delegate the resultant actions to a further method within the same class; Method_2. This method has a more restrictive set of COM+ roles applied to it. (both methods are methods in the same interface that my serviced component implements, but I don't want all my clients calling Method_2 directly). Currently, Method_1 denies access to users who aren't in the roles applicable for that method. Should a user be in an applicable role, then when Method_1 needs to call Method_2, that has the more restrictive roles, the call succeeds when I expected it to fail. The call doesn't go through the COM+ security plumbing. Compounding my misery is the fact that the user making the call proves to be the Identity of my COM+ application (running as a server application). I really need to make the call to Method_2 via COM+ security and as the user that called Method_1. Any ideas please?

Thanks.