

# Impersonating and Windows Authentication

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Hi :-)

I'm having some trouble with LDAP and Active Directory on Win2k3

I use Windows Authentication and the code  
System.Threading.Thread.CurrentPrincipal.Identity.Name gives me the correct  
credentials when logged in.

When I create user in AD i get an error. I have 4 scenarios – one work and  
one don't. I'm very confused:

- 1) Does not work
- <identity impersonate="true"/> in web.config
  - No impersonating by code
  - No credentials are sent together with LDAP string [new  
DirectoryEntry("mypath")]

Error message: System.Runtime.InteropServices.COMException: An operations  
error occurred.

- I can't read from AD

- 2) Does not work
- <identity impersonate="true"/> in web.config
  - No impersonating by code
  - Credentials are sent together with LDAP string [new  
DirectoryEntry("mypath", "username", "password", AuthenticationTypes.Secure);]

Error message: An operations error occurred

- I can read from AD

- 3) Does not work
- <identity impersonate="false"/> in web.config
  - I "code-impersonates" with the `_same credentials_` I use for login
  - No credentials are sent together with LDAP string

Exception Details: The specified directory service attribute or value does  
not exist.

- I can't read from AD

## Impersonating and Windows Authentication

4) Works!

– `<identity impersonate="false"/>` in web.config

– I "code-impersonates" with the \_same credentials\_ I use for login

Credentials are sent together with LDAP string [new DirectoryEntry("mypath", "username", "password", AuthenticationTypes.Secure);]

What is the difference between `<identity impersonate="true"/>` in web.config and manual code impersonation?

What is the correct approach for user to manage AD from asp.net logged in with Windows credentials ?

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Jesus Loves You

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