

## Re: C# and LDAP

---

*Source:*

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.languages.csharp/2005-05/msg03198.html>

---

- *From:* Joshua Flanagan <josh@xxxxxxxxxx>
  - *Date:* Tue, 17 May 2005 21:52:35 -0500
- 

If you are not updating the directory, you do not need to retrieve the DirectoryEntry. The SearchResult object's Properties collection should contain all of the data you need (if it doesn't, add the missing property to your PropertiesToLoad).

Instead of:

```
dirEntry.Properties["userAccountControl"].Value  
use:  
sResult.Properties["userAccountControl"].Value
```

and remove the call to GetDirectoryEntry(). That should speed up things quite a bit.

Note you cannot update the values on a SearchResult.

Joshua Flanagan  
<http://flimflan.com/blog>

PS: Change your catch(Exception ex) to catch(COMException ex). It won't speed things up, but it will make sure you only catch exceptions truly caused by your AD lookup. It is good practice to only catch specific exception types that you can handle.

Vish wrote:

Hello all,

I am trying to get all 'active' user details (username, firstname, lastname) from win 2003 AD server using System.DirectoryServices. It works fine. But it is too slow for getting all the 400 users. The following is the code i have written.

I found that its doing s pretty quick search. But its taking quite some time inside the 'foreach' loop to get the DirectoryEntry for each searchresult.

Any suggestions welcome! Thanks in advance.

Re: C# and LDAP

```
public void GetAvailableUsers()
{
    DirectorySearcher dSearcher = new
    DirectorySearcher("LDAP://DC= + ADServers[0].Code.Trim() +
    ",DC=" + this.domain + ",DC=ORG");
    dSearcher.SearchScope = SearchScope.Subtree;
    dSearcher.Filter =
    "&(objectCategory=person)(objectClass=user)";
    dSearcher.PropertiesToLoad.Add("givenName");
    dSearcher.PropertiesToLoad.Add("sn");
    dSearcher.PropertiesToLoad.Add("sAMAccountName");
    dSearcher.PropertiesToLoad.Add("userAccountControl");
    SearchResultCollection sResults = dSearcher.FindAll();
    try
    {
        int i = 0;
        foreach (SearchResult sResult in
        sResults)//dSearcher.FindAll())
        {
            DirectoryEntry dirEntry = sResult.GetDirectoryEntry();
            i += 1;
            if (((((int)dirEntry.Properties["userAccountControl"].Value) &
            2) == 0) && !(this.peakNetUsers.Contains(domain + @"\ " +
            dirEntry.Properties["sAMAccountName"].Value.ToString()))
            //0=ENABLED 2=DISABLED
            {
                //add user to my list
            }
        }
    }
    catch (Exception ex)
    {
        //MessageBox.Show("Critical AD Server Error : " + ex.Message,
        "Critical Error!", MessageBoxButtons.OK,
        MessageBoxIcon.Error);
    }
}
```