

Re: C# and LDAP

Source:

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.languages.csharp/2005-05/msg03194.html>

- *From:* "Vish" <Vish@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Tue, 17 May 2005 20:12:02 -0700
-

Thanks for your reply.
SearchResult's property collection doesn't have prop 'Value'.
I am using framework 2.0.

Thanks.

"Joshua Flanagan" wrote:

- > 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

Re: C# and LDAP

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>> inside the 'foreach' loop to get the DirectoryEntry for each searchresult.
>> Any suggestions welcome! Thanks in advance.
>>
>> 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);
>>
>> }
>>
>> }
>
.
```

- **Follow-Ups:**
 - ◆ **Re: C# and LDAP**
 - ◇ From: Willy Denoyette [MVP]

- **References:**
 - ◆ **C# and LDAP**
 - ◇ From: Vish
 - ◆ **Re: C# and LDAP**
 - ◇ From: Joshua Flanagan

- Prev by Date: ***Re: how can I create shared variables in c#***
- Next by Date: ***Re: casting to a derived class***
- Previous by thread: ***Re: C# and LDAP***
- Next by thread: ***Re: C# and LDAP***
- Index(es):
 - ◆ ***Date***
 - ◆ ***Thread***