

AD Search: More data is available, or time limit was exceeded

Source:

<http://www.derkeiler.com/Newsgroups/microsoft.public.dotnet.framework.aspnet.security/2008-01/msg00065.html>

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 - *Date:* Thu, 17 Jan 2008 08:23:18 -0800 (PST)
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I'm searching in AD for computers (objectClass=computer) in a few domains. The search works just fine in "small" domains with less than 1,000 of computer entries, and failed on domain with more than 4,000 entries. I do receive only first 560 objects and either get a timeout, or app is never stopped.

Using System.DirectoryServices....

```
foreach (SearchResult r in searcher.FindAll())  
{  
....  
}
```

I get an exception "DirectoryServicesCOMException: More data is available" on the line with searcher.FindAll()

Using System.DirectoryServices.Protocols....

```
PageResultRequestControl pageRequest =  
new PageResultRequestControl(20);
```

```
searchRequest.Controls.Add(pageRequest);
```

```
SearchOptionsControl searchOptions =  
new SearchOptionsControl(SearchOption.DomainScope);
```

```
searchRequest.Controls.Add(searchOptions);
```

```
while (true)  
{  
....  
}
```

(as described at <http://msdn2.microsoft.com/en-us/library/bb332056.aspx>)

I receive only first 28 of pages (560 computers) and a message "DirectoryOperationException: The time limit set by the server-side

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time limit parameter was exceeded."

If I set an additional settings to increase the timeout e.g.

```
connection.Timeout = new TimeSpan(0, 3, 30);
```

then after 560 entries and a while (about 1–2 min) I get another page (#29) with 10(!) computers only (PageResultRequestControl(20)) and app goes to hang.

So, my question is how to solve this problem and get all of computers?

Environment: ASP.NET2, DC – Win2000

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