

HOW TO: Configure ReadThru and WriteThru for NCache

NCache facilitates the way you synchronize your database with NCache and keep the data consistent and reliable in the cache. NCache has various features to help you do this. Let's see how we can use the ReadThru, WriteThru and IsResyncExpired features of NCache using the sample program name "Directory" that comes with the installation of NCache.

Directory sample Configuration settings for XML ReadThru / WriteThru:

- Build the **Directory** sample in **Visual Studio .NET**.
- Copy the Directory.Providers.Xml.dll from 'C:\Program Files\NCache\samples\clr20\directory\providers\xml\bin' to 'C:\Program Files\NCache\bin\service'
- In the **NCache Manager**, make a new project, right click the clustered caches and add an existing cache named "**mycache**"
- Right click "**mycache**" and stop the cache.
- Double click "**mycache**" and go to **Backing Source** tab in the right pane.
- Enable **ReadThru** and in this section add the following in the text field:
Assembly name: Directory.Providers.Xml
Class Name: Directory.Providers.XmlReadThruProvider
- Enable WriteThru and in this section add the following:
Assembly name: Directory.Providers.Xml
Class Name: Directory.Providers.XmlWriteThruProvider
- Right click "**mycache**" and **apply configurations**.
- Right click and start the cache.
- You are ready to run the Directory sample application from visual studio.

Directory sample Configuration settings for SQL:

- Stop "**mycache**". Open the Directory sample in visual studio.
- In Directory.Providers.Sql.SqlDatasource.cs file modify line 23 as below

```
private string _connString  
//=System.Configuration.ConfigurationSettings.AppSettings["conn-  
string"].ToString();
```
- Rebuild the sample.

- Copy the `Directory.Providers.Sql.dll` from the sample folder to NCache service directory as specified in the above section.
- In the **NCache Manager** under the backing source tab, set the **Assembly Name** to `'Directory.Providers.Sql'`
- Set the read-through **Class Name** to `'Directory.Providers.SqlReadThruProvider'`
- Click the Add button and add the parameter with **name**: connstring and **value**: yourconnectionstringhere. Please make sure that these strings are without double quotes.
- Do the above steps for WriteThru section as well except for the class name, Set the write-through **Class Name** to `'Directory.Providers.SqlWriteThruProvider'`
- Add the parameter "connstring" as above.
- Right Click your cache and **apply configurations**.
- Right Click and start the cache.
- You are ready to run the Directory sample for SQL ReadThru WriteThru testing.

The procedure to configure the **OleDb ReadThru/WriteThru** is the same as for SQL. You would be able to do that once you are done with the above 2.

Please feel free to send an email to support@alachisoft.com if you have any technical questions.