**Connecting to SVN repository using DotSVN**

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In this post I would like to highlight how easy it is to connect to SVN repository using [DotSVN](http://www.dotsvn.net/).  
  
Steps to follow:  
1) Create an instance of ISVNRepository using the SVNRepositoryFactory 

// The path to the root of an SVN FSFS repository

string repositoryPath = "file://" + "SomeValidPathToFSFS";

// Creates an ISVNRepository driver according to the protocol

// that is to be used to access a repository.

ISVNRepository repository = SVNRepositoryFactory.Create(new SVNURL(repositoryPath));

repository.OpenRepository();

2) Now that we have a connection to the repository, we can get contents using the GetDir method.

// Dictionary to receive the SVN properties

IDictionary properties = new Dictionary();

// Now we call GetDir to get the contents at the specified path

// Here we specified an empty string to get the contents of the root

// Second argument is the version, -1 indicated the latest version

// Third argument is the property collection

ICollection dirEntries = repository.GetDir("", -1, properties);

The SVNDirEntry representation of a versioned directory entry, It contains

* The Entry name
* Entry kind (is it a file or directory).
* File size (in case an entry is a file)
* The last changed revision
* The date when the entry was last changed
* The name of the author who last changed the entry
* The commit log message for the last changed revision.

3) Now we can iterate through the SVNDirEntry collection.

foreach (SVNDirEntry dirEntry in dirEntries)

{

string DirName = dirEntry.Name;

System.Diagnostics.Debug.WriteLine(DirName);

}

And that is it. We can also call other methods in the repository like

// Gets the Universal Unique IDentifier (UUID) of this repository

string repostoryUUID = repository.GetRepositoryUUID(true);

// Returns the latest revision of this repository

long latestRev = repository.GetLatestRevision();