# Making Authenticated calls to flickr

In order, to do authenticated call to flickr using web or desktop you need to have the following lines in your config with a specific default provider.

<flickr apiKey="your key"

secretKey="your secret" defaultAuthProvider="desktop" >

<authProviders>

<add name="desktop" type="Linq.Flickr.Authentication.Providers.DesktopProvider"/>

<add name="web" type="Linq.Flickr.Authentication.Providers.WebProvider"/>

</authProviders>

</flickr>

Here the default setting is to use desktop provider. You can also customize the providers to build your own authentication provider.

All Authenciation provider is inherited from Linq.Flickr.Authenticatin.AuthenticationProvider class.

Every time for a successful authentication **OnAuthenticaitonCompleted** method is called, this is where the token is saved to disc. There is a default logic that saves the token in xml file for desktop and cookie for web. You can modify that by making an inherited class from Desktop/Web provider and overriding the **OnAuthenticationCompleted** method.

/// <summary>

/// This is where the authentication token is saved to disc,

/// ovverride it to define your own save logic.

/// </summary>

/// <param name="token"></param>

public virtual void OnAuthenticationComplete(AuthToken token)

{

}

In that case, override the **GetToken** method for your token get logic.

/// <summary>

/// Gets a token from the disc.

/// </summary>

/// <param name="permission">Read|Write|Delete</param>

/// <returns></returns>

public virtual AuthToken GetToken(string permission)

{

return null;

}

Finally, **ClearToken** for deleting the token when context.ClearToken is called.

/// <summary>

/// This is class when user explicitly specifies a token removal.

/// </summary>

/// <param name="permission"></param>

public virtual void ClearToken(string permission)

{

OnClearToken(GetToken(permission));

}

After all these, modify the type of the provider to your custom provider in authProviders section or add a new node and mark it as default.