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Facebook C# SDK posting on wall with ASP.NET MVC 5

In my previous post: Facebook and Google login with C# and ASP.NET MVC 5 I explained how to login easily with Facebook or Google. In this one I will extend the functionality in order to make your application post on the user's Facebook wall (it's really call feed).

You will need:
– Facebook developer account

– ASP.NET MVC 5

– Nuget

–

https://www.nuget.org/packages/Microsoft.Owin.Security.Facebook/

– https://www.nuget.org/packages/Facebook.Client/

app_start/Startup.Auth.cs

```
reAuth(IAppBuilder app)

ExternalSignInCookie(DefaultAuthenticationTypes.ExternalCookie);

ebook

ebookOptions = new FacebookAuthenticationOptions

Id = "{get_it_from_dev_console}",
Secret = "{get_it_from_dev_console}",
kchannelHttpHandler = new FacebookBackChannelHandler(),
rInformationEndpoint = "https://graph.facebook.com/v2.4/me?fields=id,name,email,first_name,last_name,location",
vider = new FacebookAuthenticationProvider

  OnAuthenticated = context =>
  {
      context.Identity.AddClaim(new Claim("FacebookAccessToken", context.AccessToken)); // user acces token neede
      return Task.FromResult(true);
  }

kOptions.Scope.Add("email");
kOptions.Scope.Add("publish_actions"); // permission needed for posting on the wall
FacebookAuthentication(facebookOptions);

geryConfig.UniqueClaimTypeIdentifier = ClaimTypes.NameIdentifier;
```

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FacebookBackChannelHandler.cs

```csharp
public class FacebookBackChannelHandler : HttpClientHandler
{
    protected override async System.Threading.Tasks.Task SendAsync(HttpRequestMessage request, System.Threadi
    {
        // Replace the RequestUri so it's not malformed
        if (!request.RequestUri.AbsolutePath.Contains("/oauth"))
        {
            request.RequestUri = new Uri(request.RequestUri.AbsoluteUri.Replace("?access_token", "&amp;access

        }

        return await base.SendAsync(request, cancellationToken);
    }
}
```

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ChallengeResult.cs

```csharp
internal class ChallengeResult : HttpUnauthorizedResult
{
    public ChallengeResult(string provider, string redirectUri)
    {
        LoginProvider = provider;
        RedirectUri = redirectUri;
    }

    public string LoginProvider { get; set; }
    public string RedirectUri { get; set; }
    public override void ExecuteResult(ControllerContext context)
    {
        var properties = new AuthenticationProperties { RedirectUri = RedirectUri };
        context.HttpContext.GetOwinContext().Authentication.Challenge(properties, LoginProvider);
    }
}
```

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controllers/oauthcontroller.cs

```csharp
public class oauthcontroller : basecontroller
{
        private readonly IUserService  _userService;

        public oauthcontroller(IUserService userService)
        {
            _userService = userService;
        }

        // Your google login button action
        public ActionResult facebook()
        {
            // Fix for OWIN bug
            // http://stackoverflow.com/questions/20737578/asp-net-sessionid-owin-cookies-do-not-send-to-browser/
            Session["RunSession"] = "1";
            return new ChallengeResult(LoginProviderEnum.Facebook.DisplayName, "/oauth/callback");
        }

        // Here is where Facebook calls and posts data you need
        public ActionResult callback()
        {
            // Here we skip all the error handling and null checking
            var auth = HttpContext.GetOwinContext().Authentication;
            var loginInfo = auth.GetExternalLoginInfo();
            var identityInfo = auth.GetExternalIdentity(DefaultAuthenticationTypes.ExternalCookie);

            var email = loginInfo.Email // klaatuveratanecto@gmail.com
            var name = loginInfo.ExternalIdentity.Name  // Klaatu Verata Necto
            var provider = loginInfo.Login.LoginProvider // Facebook | Google

            var fb_access_token = loginInfo.identityInfo.FindFirstValue("FacebookAccessToken");
            // Save this token to database, for the purpose of this example we will save it to Session.
            Session['fb_access_token'] = fb_access_token;
            // ...
        }
}
```

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controllers/postcontroller.cs

```
public class postcontroller : basecontroller
{
        public ActionResult wall()
        {
            var client = new FacebookClient( Session['fb_access_token'] as string);
            var args = new Dictionary&lt;string, object&gt;();
            args["message"] = "Klaatu Verata N......(caugh, caugh)";

            try
            {
                client.Post("/me/feed", args);
            }
            catch (Exception ex)
            {
                // Log if anything goes wrong
            }
        }
}
```

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If you need to make you post more attractive you have more fields available:

https://developers.facebook.com/docs/graph-api/reference/v2.8/user/feed#publish

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MACHINE-LEARNING

Installing TensorFlow GPU on Windows 10 and running image_retraining

This tutorial will show you how to get TensorFlow gpu running on your Windows 10 without Docker or Linux Bash. I will be using** Nvidia GTX 1070**: 1. Get Python 3.6 installer

ARTUR KEDZIOR

.NET

Facebook and Google login with ASP.NET MVC 5

I'm building a platform in .NET where it is required to use facebook and google login and "local login" as an alternative. Requirements: – Facebook developer account – Google developer console – ASP.NET MVC

ARTUR KEDZIOR

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