# Demo 1: Reading Feeds from Other Sites

Open the **DisplayExternalView** form in code view

Add System.ServiceModel.Syndication reference.

Ask crowd for a podcast or blog they would like to use in the demo

Insert into the Page\_Load Event

var feedUrl = "http://feeds.feedburner.com/NWNPodcast";

XmlReader reader = XmlReader.Create(feedUrl);

SyndicationFeed feed = SyndicationFeed.Load(reader);

if (feed == null)

throw new ApplicationException("Error reading source feed");

var items = (from f in feed.Items

select f).Take(10);

listViewPosts.DataSource = items;

listViewPosts.DataBind();

# Demo 2: Exposing data

Open the SyndicationService.cs file

## The GetFeed method

var feed = new SyndicationFeed

{

Title = new TextSyndicationContent("My New RSS Feed"),

Description = new TextSyndicationContent("Create a feed"),

ImageUrl = new Uri("http://example.com/images/blog.png"),

Items = GetSyndicationItems()

};

return feed;

## Then GetSyndicationItems Method

Now we need to get the Post Items and turn them in to Syndication items.

IList<Post> posts = PostRepository.GetAllPosts();

var items = new List<SyndicationItem>();

foreach (var post in posts)

items.Add(GetSyndicationItemFromPost(post));

return items;

## The GetSyndicationItemFromPost Method

This method is responsible for mapping the Post Item returned from our Linq2Sql repository to a   
SyndicationItem that will then be added to the SyndicationFeed.

var item = new SyndicationItem

{

Id = post.PostID.ToString(),

Title = new TextSyndicationContent(post.Title),

Content = new TextSyndicationContent(post.PostContent),

};

item.Authors.Add(new SyndicationPerson(post.Author.Email, post.Author.Name, null));

return item;

## Exposing the Feed

Now to actually expose the data we need to look at our GenericHandler, open FeedHandler.ashx.cs

SyndicationFeed feed = SyndicationService.GetFeed();

var output = new StringWriter();

var writer = new XmlTextWriter(output);

if (context.Request["t"] == "Rss")

new Rss20FeedFormatter(feed).WriteTo(writer);

else

new Atom10FeedFormatter(feed).WriteTo(writer);

context.Response.ContentType = "application/rss\_xml";

context.Response.Write(output.ToString());