# Setup

Visual Studio 2010 – Run as administrator

AppFabric installed and configured

Make sure IIS is clean

ZoomIT

# Demo 1 – WCF Sexy

New class library called WCFSexy

Save solution

Add a reference to System.ServiceModel

Rename class file to be HotOrNot.cs and add following method:

1. public bool IsHot(string itemName)
2. {
3. switch (itemName.ToUpperInvariant())
4. {
5. case "CHILLI":
6. case "A.JOLIE":
7. case "FIRE":
8. {
9. return true;
10. }
11. case "ICE":
12. case "R.MACLEAN":
13. {
14. return false;
15. }
16. default:
17. {
18. throw new Exception("I do not know");
19. }
20. }
21. }

Next extract and interface for this making sure it is public and attribute as follows:

1. [ServiceContract]
2. public interface IHotOrNot
3. {
4. [OperationContract]
5. bool IsHot(string itemName);
6. }

Next create a new console application WCFHost

Add a reference to System.ServiceModel and WCFSexy

Add the following in the Main method:

1. ServiceHost host = new ServiceHost(typeof(HotOrNot), new Uri("http://localhost:9876"));
2. host.Open();
3. try
4. {
5. Console.WriteLine("The host is listening on");
6. foreach (var endpoint in host.Description.Endpoints)
7. {
8. Console.WriteLine("\t Address: {0}", endpoint.Address);
9. Console.WriteLine("\t Binding: {0}", endpoint.Binding.Name);
10. Console.WriteLine("\tContract: {0}", endpoint.Contract.ContractType);
11. }
12. Console.ReadLine();
13. }
14. finally
15. {
16. host.Close();
17. }

Run application. Open IE and browse to the URI. Note the site is running, without MEX

Next add the following code before the host.open(). The endpoint address (line 3) is the URI from above, extract it to a new variable.

1. ServiceMetadataBehavior smb = new ServiceMetadataBehavior();
2. smb.HttpGetEnabled = true;
3. smb.HttpGetUrl = endpointAddress;
4. host.Description.Behaviors.Add(smb);

Run and demo again – mex enabled and note NO CONFIG!

# Demo 2 – AppFabric + WCF = Easy

Add WCF Service Application – name: WcfService

Add reference to WCFSexy assembly

Remove code behind file for service (Service1.svc.cs)

Remove IService1.cs file

Change Service1.svc to be:

1. <%@ ServiceHost Language="C#" Debug="true" Service="WCFSexy.HotOrNot" %>

Show web.config has no bindings in it – it just has MEX enabled.

F5 show service works as an HTTP service.

Now publish to IIS (Right click on service, select publish).

* Method: Web Deploy
* Service URL: localhost
* Application: Default Web Site/WCFService
* Make as IIS application enabled

Once published open IE and navigate to: <http://localhost/wcfService/service1.svc>

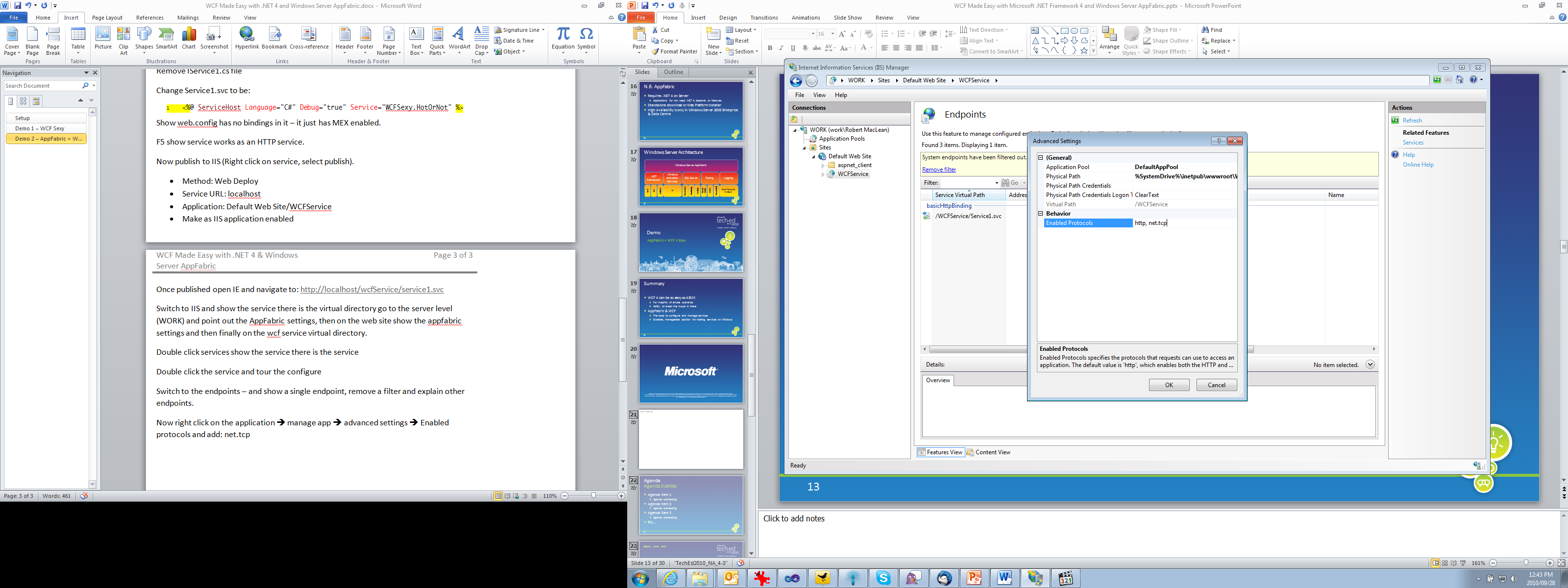
Switch to IIS and show the service there is the virtual directory go to the server level (WORK) and point out the AppFabric settings, then on the web site show the appfabric settings and then finally on the wcf service virtual directory.

Double click services show the service there is the service

Double click the service and tour the configure

Switch to the endpoints – and show a single endpoint, remove a filter and explain other endpoints.

Now right click on the application 🡺 manage app 🡺 advanced settings 🡺 Enabled protocols and add: net.tcp



Right click on the website 🡺 Manage 🡺 restart and go back to the endpoints on the application and show the new end point there.

Finally hop into the dashboard and show the events that have been logged.