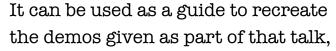# Using your NuGet

for Fun and Profit (Redux)

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NuGet in the Enterprise

Introduction

This is the crib sheet for my presentation "Using your NuGet for Fun & Profit (Redux) given at Developer! Developer! Developer! North 2 held on Saturday 13th October 2012 at the Bradford University School of Management.

It can be used as a guide to recreate the demos given as part of that talk, but in no way is a hand-holding step-by-step affair - you'll need to understand the tooling a little!

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Demo 1: Building a simple NuGet packaging project

❋ Explain solution contents

- WhizzyInc.Greetings

- WhizzyInc.Greetings.Randomiser

- ~~WhizzyInc.Greetings.I18n~~

- ~~WhizzyInc.Greetings.Es~~

❋ Install NuGet.PackageNPublish.Extension.vsix

- From VSGallery or Desktop

- Enable "NuGet Package Restore" for the solution.

❋ Add packaging project for WhizzyInc.Greetings

- Set properties in AssemblyInfo.cs

- Select "Output" and build - highlight the build output

❋ Copy the NuGet package to \\nugetserver\packages\ share

- Add share as package source

❋ Create console app

- Install the package and demo it's use.

Demo 2: Building a NuGet Server

* Create a new Empty <u>ASP.Net</u> Web app

    * Set to use .Net 4.0

* Install the NuGet.Server package

    • Run it to show its ready.

* Deploy to NuGetServer VM

    • Ensure base directory it set to same location as shared as \
      \NuGetServer\Packages\

* Add NuGetServer to list of package sources.

    • Demonstrate that the WhizzyInc.Greetings package is visible via
      the NuGet server.

* Reopen the WhizzyInc.Greetings and make a change.

    • Rebuild and publish to the server

Demo 3: Integrating with a CI server

✱ Switch to WhizzyInc solution attached to Tfs on Gonzalo

- C:\Projects\...

✱ Show the standard CI build definition

- Do a build and show the output in the share \\gonzalo\Builds

- Switch the CI build to use the VersionInfo template

- Build it again and prove the DLL is versions

✱ Set up a Release (Publish to NuGet) build

- Add publishing parameters

    1. /p:PublishNuGetPackage=true

    2. /p:PublishNuGetPackageTarget=http://
       Gonzalo.home.hammond-turner.org.uk/NuGet.Server

    3. /p:PublishNuGetPackageTargetKey=BigSecret

- Build it and drill into the log to show that the versioned package
  was pushed to the NuGet server on Gonzalo

Demo 4 - Update everything

✱ Add package for WhizzyInc.Greetings.I18n

✱ Add dependency for WhizzyInc.Greetings PACKAGE

✱ Add pre-build step

- .\.nuget\nuget.exe update $(ProjectDir)\packages.config

✱ Build and show the output

✱ Check in changes then build the release and show how the I18n package is updated on build to match the base package.