nuget demo

## Installation

NuGet.CodePlex.com or Visual Studio Extension Manager.

For the purposes of this Demo we will be using the UrlShortenerHelper at <http://UrlShortenerHelper.codeplex.com>

## Consuming Packages

From within WebMatrix

* http://localhost:xxx:/\_admin – this will list all the helpers ( which happen to be nugets ) and then install them locally.
* Install a package…
* Review the changes made to the solution

Now do the same in Visual Studio… Create a new MVC Site.

Open Package Manager Windows

* Ctrl+W, Ctrl+Z – this will open the package manager Window.
* get-package – will list all packages from the selected source
* install-package UrlShortenerHelper – this will install the package, compare to WebMatrix.
* Tab Completion.

Review the changes made to the file system:

* Where does the package folder get put?
* How to you use with more than one project?
  + Drop Down
  + Passing in as a parameter

Now let’s look at some more complex packages.

1. ELMAH
   1. Install-Package ELMAH
   2. Run the MVC Site
      1. http://localhost:xxx/elmah.axd
   3. Review the Web.Config
   4. Look at the nuspec file
2. SQLCE.EntityFramework
   1. Successfully installed 'SQLCE.EntityFramework 4.0.8435.1'  
      Successfully added 'SQLCE 4.0.8435.1' to MvcApplication3  
      Successfully added 'EFCTP4 1.0' to MvcApplication3  
      Successfully added 'WebActivator 1.0.0.0' to MvcApplication3  
      Successfully added 'SQLCE.EntityFramework 4.0.8435.1' to MvcApplication3

What happens in the case where you install two packages who depend on the same package but different versions? Well things fail.

## Interesting Commands

1. *$Host.Version* -> will return the version of NuGet Running
2. *get-package –remote –filter url*
3. *get-package –updates* -> returns the updates for packages already installed
4. *Install-package [ id ] –version [ #.#.# ]*
5. *Update-package [ id ]*
6. get-package -remote | Where-Object { $\_.Version -gt "3.0" } | Where-Object { $\_.Id -eq "SQLCE" }

## Creating Packages

1. Create Directory Structure
2. Building the NuSpec
3. Taking a Dependency

## Hosting Packages

1. NAS
2. NuGet Server
3. Gallery Server