CREATING PACKAGES FOR UMBRACO

BY MATT BRAILSFORD

ABOUT ME

WHO THE HELL ARE YOU?

MATT BRAILSFORD / THE OUTFIELD

Freelance Umbraco Developer -

Level 1 and 2 Certified Umbraco Developer -

Core team member -

Ex HQ -

Prolific package developer -

WHAT IS AN UMBRACO PACKAGE?

WHAT HE SAID...

AN INSTALLABLE FILE CONTAINING CUSTOM

FUNCTIONALITY TO EXTEND THE UMBRACO EXPERIENCE

HOW AN UMBRACO PACKAGE WORKS

SOUNDS LIKE VOODOO, HOW DOES IT WORK?

A SIMPLE ZIP FILE CONTAINING

Any files to be deployed -

A package.xml manifest file -

THE PACKAGE MANIFEST FILE
WHAT ON EARTH IS A PACKAGE MANIFEST FILE?

A SIMPLE XML FILE CONTAINING

Package meta data -

XML entity exports -

File location entries -

Package actions -

Post install user control -

PACKAGE ACTIONS
WHAT IF I NEED TO DO SOME FUNKY STUFF ON INSTALL?

Custom code that is run on package install / uninstall -

Simple class that implements IPackageAction *(Execute/Undo methods)* -

Some built in ones *(http://m4tt.me/umbraco-package-actions)* -

Some community ones *(http://m4tt.me/package-actions-contrib)* -

Noteworthy

Uninstall is a bit flakey, just do the best you can *(maybe document manual uninstall)* -

POST INSTALL USER CONTROL
WHAT IF I NEED THE USER TO DO SOMETHING?

A regular .NET User Control -

Automatically displayed after install -

Noteworthy

No real way back to it once the user navigates away -

CREATING AN UMBRACO PACKAGE

OK, SO HOW DO I CREATE ONE?

THE EASY WAY

Umbraco Package Builder -

THE ADVANCED WAY

MSBuild *(http://m4tt.me/umbraco-msbuild)* -

CREATING AN UMBRACO PACKAGE

I'M A BEGINNER, SHOW ME THE EASY WAY

DEMO

CREATING AN UMBRACO PACKAGE
SOUNDS EASY ENOUGH...

PROS

Simple UI based builder -

Easy to add standard items to your package -

Point and click, anyone can do it -

CONS

Has to be run from within an Umbraco install -

Has to be done manually -

Build process can't be put under source control -

CREATING AN UMBRACO PACKAGE

I'M A PRO, SHOW ME THE ADVANCED WAY

DEMO

CREATING AN UMBRACO PACKAGE

OOOH, SEXY

PROS

Build scripts are kept along side your code -

Build scripts can be stored in source control -

Build scripts can be run as part of an automated build process -

CONS

A bit complex to setup *(you only have to do it once though)* -

Some things are easier via the UI builder -

RELEASING YOUR PACKAGE
MY PACKAGE IS READY, NOW WHAT?

OUR.UMBRACO.ORG

Create an "Our" profile -

Go to Your Profile > Projects > Add new project -

Add Description *(Intro, Instructions, Changelog)* -

Add package file -

Add screenshots -

Create forum -

Done -

BEST PRACTISES
ANY OTHER ADVICE?

Build against the lowest denominator you can -

Store your files in /umbraco/plugins/{YOUR_PLUGIN_NAME} -

Move package actions into your code to prevent version conflicts -

Use ILMerge to prevent dependency conflicts -

Open Source your code -

JUST DO IT! -

THANK YOU

WOW, THAT WAS AMAZEBALLS!

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