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Setup project in VS2013

1. Download and install

Download and install Microsoft Visual Studio Installer Projects extension from here.

2. Setup Project

a. After you open a project we want to make a setup file for it, we should add a new setup project to our solution, in my case i have two projects for which i would like to make a setup file WinServiceControlGUI and WSTraining (the service itself):

		Solution Exp	lorer			•••••••• 🕶 🕂 🗙
		G O 🟠	δ		N 🗇 🔋 🗡 -	-
		Search Solut	tion Ex	plorer	r (Ctrl+;)	- م
-		Solutio	n 'Wir	nServic	ControlGUI' (3 projec	ts)
*	Build Solution	Ctrl+Shift+B	Servi	icCont	rolGUI	
	Rebuild Solution		raini	ng		
	Clean Solution		p	+ D -		
	Run Code Analysis on Solution	Alt+F11	rima	(Active)		
	Batch Build		rima	ry output from WinServicControlGUI (Active)		
	Configuration Manager			,		
	New Solution Explorer View					
	Calculate Code Metrics					
	Project Dependencies					
	Project Build Order			Team	Explorer Class View	
	Add			New	Project	
₽	Set StartUp Projects			Existi	ing Project	
ţ.	Add Solution to Source Control			New	Web Site	
റി				Existi	ing Web Site	
))	Rename		°D	New	Item	Ctrl+Shift+A

Add New Project - # = ▶ Recent .NET Framework 4.5 Sort by: Default Installed Visual Studio Installer ▹ Business Intelligence Visual Basic Web Setup Project Visual Studio Installer ▶ Visual C# Merge Module Project Visual Studio Installer ♦ Visual C++ ▷ Visual F# Setup Wizard Visual Studio Installer SQL Server ▷ JavaScript CAB Project Visual Studio Installer HDInsight Python ▷ TypeScript Other Project Types Setup and Deployment Visual Studio Installer

b. In the Add New Project window under Other Project Types => Visual Studio Installer choose Setup Project:

Click here to go online and find templates.

 Name:
 Setup1

 Location:
 C:\Users\Victor\Desktop\example\cstraining

▷ Online



c. In the File System (Setup) right click on Application Folder=>Add=>Project Output

d. In Add Project Output Group window in ComboBox choose the project for which you would like the project output to be packaged, in my case i would like to add two primary outputs, one for WinServiceControlGUI and another one for WSTraining:

Add I	Project Output Group	?	x
Project:	WinServicControlGUI WinServicControlGUI		 I
Primary output	WSTraining		
Localized resource	S		
Debug Symbols			
Content Files			
Source Files			
XML Serialization	es Assemblies		
AWIE Serialization 7	Assemblies		`
Configuration:	(Active)		~
Description:			
Contains the DLL o	r EXE built by the project.		^
			~
	ОК	Cance	el

e. Upon clicking OK, the installer picks up all the dependencies and adds it into the dependencies folder for you, a 'Primary output from <project name> (configuration)' also gets created. You can select properties on this file to specify meta data on the installer.

2.1 Add a Service

In my case after setup is finished i would like that the service will be installed, so i should to choose Custom Actions for my Setup. Right click setup project => View => Custom Actions:

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		Se	arch Solu	ution	ı Ex	plore	er (Ctrl-	+;)			٦
			Soluti Soluti W W	on '\ inSe STra	Win e rvi inir	iServi cCon 1g	cContr trolGU	olGUI' (3 proje JI	ects)		
*	Build					ed D	epend	encies			
	Rebuild					croso	ft .NET	Framework			
	View					8	File S	ystem	. / ۸	L:)	Active
	Add				►	<u>:</u>	Regis	stry			(rictive
	Install					9 I	File T	ypes			
	Uninstall						User	Interface			
\$	Open Folder in File Explorer					F	Custo	om Actions			
ta:	Add Solution to Source Control					Ţ	Launo	ch Conditions			
¥	Cut		Ctrl+X								- ₽
×	Delete		Del			t Proj	ject Pro	operties			
X:	Rename										
6						gram	slcon	(None)			
<u> </u>	Properties		AIT+FL	nter				Default Com	pany	Nan	ne
	BackwardComp			mp	atible	lDGen	False				
	Description										

a. In Custom Actions (Setup) window right click on Custom Actions => Add custom action



b. Double click on Application folder

	Select Item in Project	? ×
Look <u>i</u> n:	📕 File System on Target Machine 🛛 🖌 🔰	
Application I	Folder	Add <u>F</u> ile
🗟 User's Progra	ams Menu	Add <u>O</u> utput
		Add <u>A</u> ssembly
Source path:		
Files of <u>t</u> ype:	Executable and Script Files (*.exe;*.dll;*.vbs; 🗸	
	ОК	Cancel

c. You will see the Primary Outputs which we added before

	Select Item in Project	? ×
Look <u>i</u> n:	Application Folder ✓	
Primary outp	ut from WinServicControlGUI (Active) ut from WSTraining (Active)	Add <u>F</u> ile
		Add <u>O</u> utput
		Add <u>A</u> ssembly
Source path:		
Files of type:	Executable and Script Files (*.exe;*.dll;*.vbs; V	
Thes of type.		
	OK	Cancel

d. I would like to choose the Primary output from WSTraining in order to install the service.

e. Upon clicking OK, the installer adds the Primary output i chose, to Install, Commit, Rollback and Uninstall folders.

3. Configuration Manager:

- a. Now go to configuration manager: Build => Configuration Manager
- b. In the Configuration Manager dialog, in Configuration select Release option.

c. Make sure the Build checkboxes are checked for all projects.

	Configu	uratio	on Manager		?	×
Active solution configuration:			Active solution	platform:		
Debug		`	Any CPU			~
Project contexts (check the project configurations to build or deploy):						
Project	Configuration		Platform	Build	Deploy	
Setup	Release	$\mathbf{\vee}$		✓		
WinServicControlGUI	Release		Any CPU	✓		
WSTraining	Release		Any CPU	✓		
					Clos	e

d. Click Close to close the Configuration Manager dialog.

4. Build the solution:

a. Right click your solution and in opened menu click Build Solution.

*	Build Solution	Ctrl+Shift+B	Solution 'WinServic	ControlGUI' (3 projects)		
	Rebuild Solution		WinServicCont	rolGUI		
	Clean Solution		 WSTraining Setup 			
	Run Code Analysis on Solution	Alt+F11	A betected De	pendencies		
	Batch Build		- Microsof	NET Framework		
	Configuration Manager		Primary outp	out from WSTraining (Active)		
l	New Solution Explorer View					
	Calculate Code Metrics					
	Project Dependencies					
	Project Build Order		Jution Explorer	Evolorer Class View		
	Add	Þ				
₽	Set StartUp Projects		operties	▼ #		
ta	Add Calution to Course Control		InServicControlGUI S	olution Properties		
	Add Solution to Source Control		- 😥 🖉			
			(Name)	WinServicControlGUI		
X::	Rename		Active config	Debug Any CPU		
æ	Open Folder in File Explorer		Description			
			Path	C:\Users\Victor\Desktop\v\		
لر	Properties	Alt+Enter	Startup project	WinServicControlGUI		

	folder will be created.			
ard	Organize	New	Open S	elect
)	v ▶ Setup	~ C	Search Setup	Q
	^ Name	κ.	Date modified	Туре
	👢 Debug		31/12/2014 17:59	File folder
ls	👢 Release		1/1/2015 21:17	File folder
aces	Setup.vdproj		1/1/2015 20:14	VDPROJ File
С				
aniev	✓ <			>
oard	Organize	New	Open	Select
Λ 🐌	▶ v ▶ Setup ▶ Release	~ C	Search Release	Q
		^		
	Name		Date modified	Туре
	setup.exe		Date modified 1/1/2015 21:17	Type Applicatior
ads Haces	setup.exe		Date modified 1/1/2015 21:17 1/1/2015 21:17	Type Applicatior Windows Ir
ads places	Name setup.exe		Date modified 1/1/2015 21:17 1/1/2015 21:17	Type Applicatior Windows Ir
ads places up naniev	Name Setup.exe Setup.msi		Date modified 1/1/2015 21:17 1/1/2015 21:17	Type Application Windows Ir

b. After build finishes, Setup folder with released setup and .msi files in the Release