

Publishing your Genesys Framework App

A Cross-Platform Framework Quick-Start

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An attempt has been made to state all allowable values where applicable throughout this document. Any values or parameters used beyond those stated may have unpredictable results.

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Introduction

Genesys Source Framework is an open-source reusability framework for C# business objects, enabling your objects to be cross-platform, full-stack, self-serializing, self-validating and self-tracking.

Your business object DLLs are then consumable by your app, using any .NET web or native technology, including MVC, Web API, UWP, Xamarin iOS, Xamarin Android, Web Forms, WCF, Windows Service, Console Apps and CLR stored procedures.

Before you begin: Pre-Requisites

Before beginning, check the pre-requisites. Don't have the pre-req? Click the link below to get it Free.

<p style="text-align: center;">①</p> <p style="text-align: center;">Framework Code</p>	<p style="text-align: center;">②</p> <p style="text-align: center;">Visual Studio</p>	<p style="text-align: center;">③</p> <p style="text-align: center;">Cloud Dev Environment (Optional)</p>
<p>Genesys Framework source code is downloaded or available, including...</p> <ul style="list-style-type: none"> ✓ Framework.WebApp: MVC Web App ✓ Framework.Models: x-Platform Models ✓ Framework.DataAccess: EF Data Objects ✓ Framework.Database: SSDT T-SQL DB 	<p>Visual Studio 2017 is installed with the following workloads...</p> <ul style="list-style-type: none"> ✓ ASP.NET and web development ✓ .NET Core cross-platform development ✓ Data storage and processing ✓ .NET Desktop development ✓ Mobile development with .NET ✓ Unified Windows Platform development 	<p>The Genesys Cloud Dev Environment includes all Azure infrastructure + code for a working, full-stack, cross-platform Cloud App in MVC, Web API, WPF or Universal. The Cloud Dev Environment includes...</p> <ul style="list-style-type: none"> ✓ 1 IIS Web Server Azure Virtual Machine ✓ 1 SQL Server Azure Virtual Machine ✓ 1 Visual Studio Azure Virtual Machine ✓ Genesys Framework Source Code ✓ Framework Apps + DB already-running
<p>Don't have it? Get Genesys Framework HERE</p>	<p>Don't have it? Get Visual Studio HERE</p>	<p>Not on Azure? Start HERE</p>

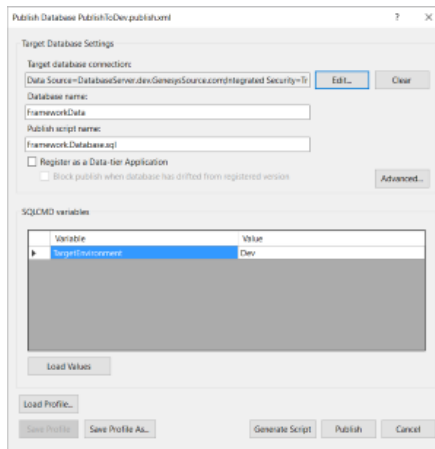
1: Pre-requisites for this procedure

How-to Publish *Framework.Database* (SSDT) -> SQL Server

This procedure describes publishing the *Framework.Database* SSDT project to your SQL Server. The *Framework.Database* project holds all database objects for the *FrameworkData* database. Including tables, schemas, logins, users, views, stored procedures, etc.

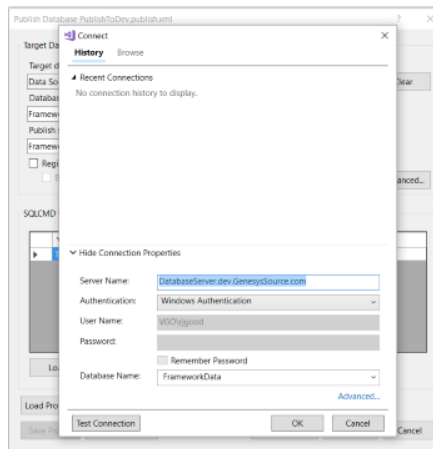
①

Build



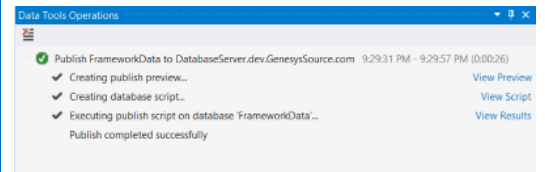
②

Set SQL Server



③

Publish



1. Open the framework solution you wish to publish, for example:
`C:\Repos\Framework-for-Mvc.sln`
2. Build *Framework.Database* project to ensure no errors
3. Open the Dev publish file
`\Publish\PublishToDev.publish.xml`
4. Click *Edit* button
5. Change *Server Name* field to be the name of your SQL Server (i.e. Dev-Sql-16)
6. Click *OK*
7. Click the *Save Profile* button to save your changes
8. Click *Generate Script* to see the change script (no database changes will be applied.)
9. Click *Publish* to apply changes to the *FrameworkData* database

Your *Framework.Database* project is now in sync with your SQL Server

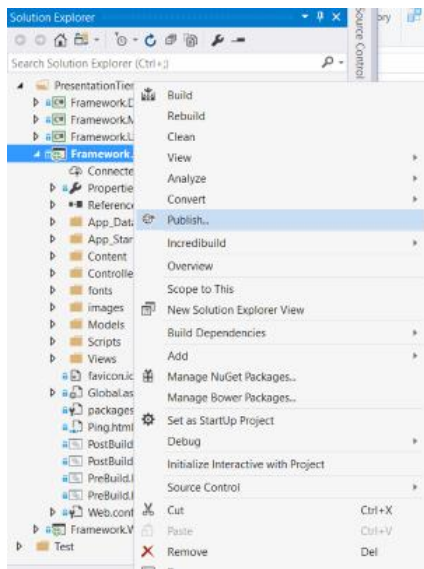
2: Publishing Framework.Database (SSDT) to SQL Server

How-to Publish *Framework.WebApp* (MVC) -> IIS Web Server

This procedure outlines how to publish the *Framework.WebApp* ASP.NET MVC project from Visual Studio to the IIS Web Server.

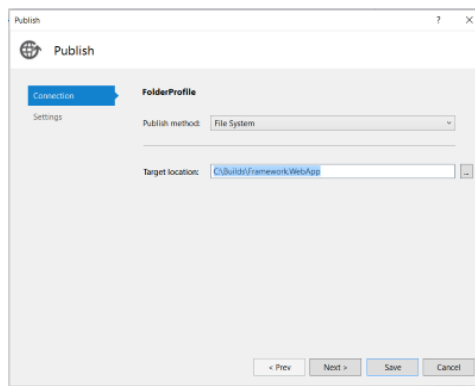
1

Build



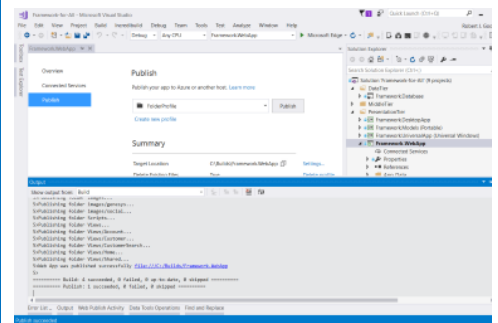
2

Set Target Path



3

Publish



1. Open the MVC solution you wish to publish, for example: C:\Repos\Framework-for-Mvc.sln
2. Build the solution to ensure no errors
3. Right-click the project and click *Publish*

4. Click the *Settings...* link in the *Publish* window
5. Change Target Location to be the path to your web project (default is local drive), for example: \\Dev-Web-16\WebSites\Framework.WebApp
6. Click *Save*

7. Click *Publish* to publish the project to your development web server

The MVC project has now been published to your IIS Web Server.

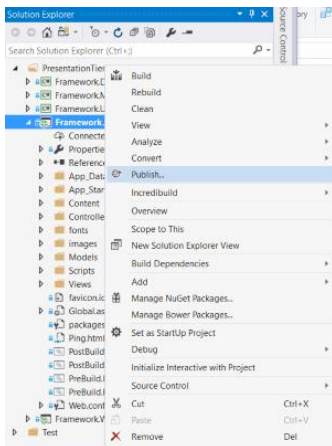
3: Publishing Framework.WebApp (MVC) to IIS Web Server

How-to Publish *Framework.WebServices* (Web API) -> IIS Web Server

This procedure outlines how to publish the *Framework.WebServices* ASP.NET Web API project from Visual Studio to the IIS Web Server.

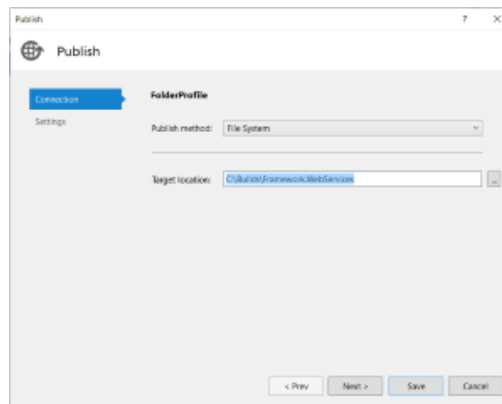
1

Build



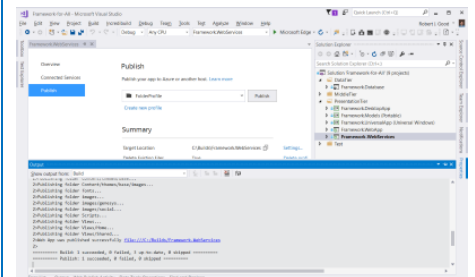
2

Set Target Path



3

Publish



1. Open the MVC solution you wish to publish, for example: `C:\Repos\Framework-for-Mvc.sln`
2. Build the solution to ensure no errors
3. Right-click the project and click *Publish*

4. Click the *Settings...* link in the *Publish* window
5. Change Target Location to be the path to your web project (default is local drive), for example:
`\\Dev-Web-16\WebSites\Framework.WebServices`
6. Click *Save*

7. Click *Publish* to publish the project to your development web server

The Web API project has now been published to your IIS Web Server.

4: Publishing Framework.WebServices (Web API) to IIS Web Server

Getting Help

Have a question? Have a problem? Contact us anytime...

Contact Genesys Source

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