

Publishing in the Cloud Dev Environment

An Azure Cloud Quick-Start

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Publishing in the Cloud Dev Environment

Genesys Cloud Dev Environment is a *pre-bundled 3-Server set of Microsoft Azure VMs* PLUS the Genesys Framework for MVC, Web API, WPF and Universal code, sites and services.

Cloud Dev Environment Includes...		Genesys Framework Includes...	
[Server 1 of 3]	IIS Web Server running Framework for MVC and Web API	Extensions	Cross-platform common library and .NET extensions
[Server 2 of 3]	SQL Server running FrameworkData database	Framework	Cross-platform business object "structure"
[Server 3 of 3] & [All-In-One]	Visual Studio Dev Machine + IIS + SQL Server + source code	Framework for MVC	Quick-Start MVC solution. Full-stack projects from SSDT database to the MVC app.
[Source Code]	Genesys Framework source code is pre-installed, ready on the visual studio VM disk.	Framework for Web API	Quick-Start Web API services.
		Framework for WPF	Quick-Start WPF solution.
		Framework for Universal	Quick-Start Universal solution.

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.

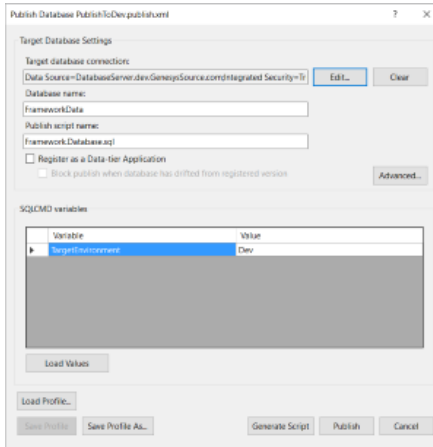
① Framework Code	② Visual Studio	③ Cloud Dev Environment (Optional)
<p>Genesys Framework source code is downloaded or available, including...</p> <ul style="list-style-type: none"> ✓ Framework.WebApp: MVC Web App ✓ Framework.Models: x-Platform Models ✓ Framework.DataAccess: EF Data Objects ✓ Framework.Database: 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.</p> <p>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
Don't have it? Get Genesys Framework HERE	Don't have it? Get Visual Studio HERE	Not on Azure or no CDE? Start HERE

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.

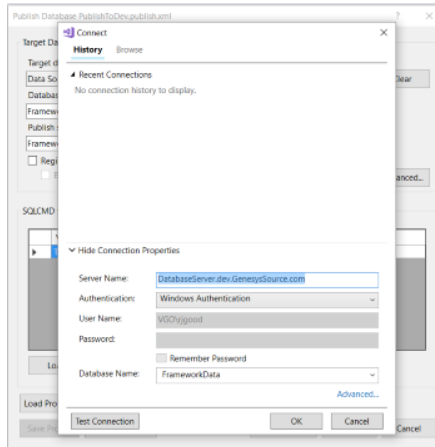
1

Build



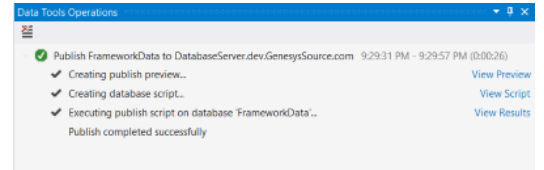
2

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

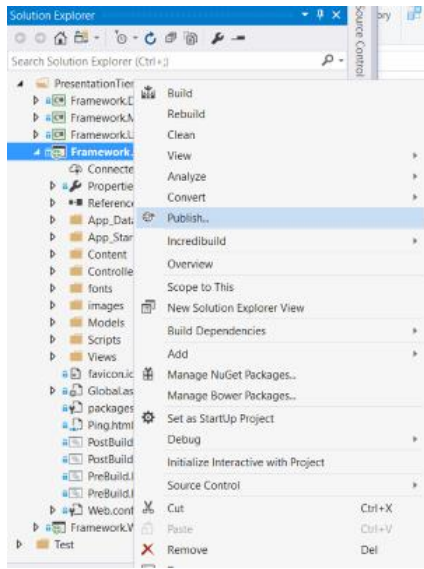
Your *Framework.Database* project is now in sync with your SQL Server

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.

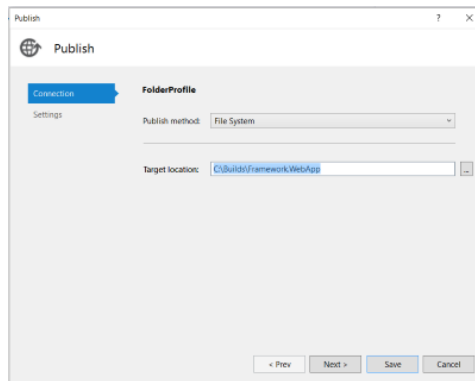
1

Build



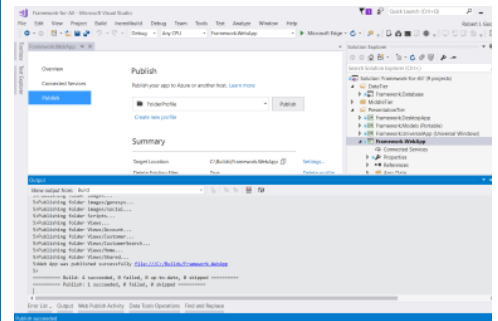
2

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

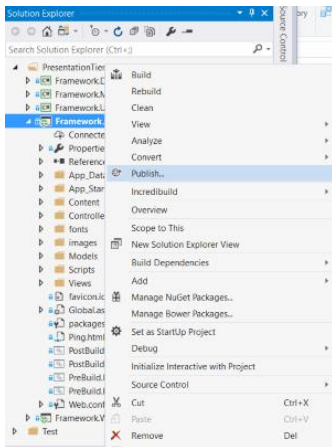
The MVC project has now been published to your IIS Web Server.

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

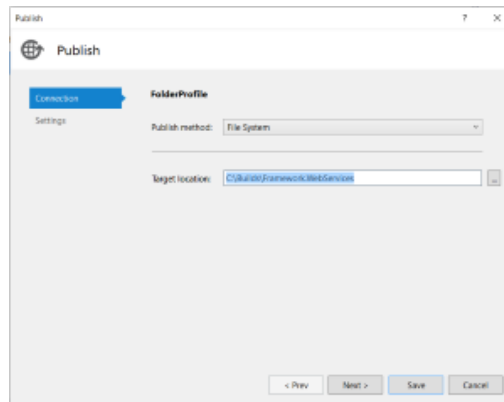
Build



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*

2

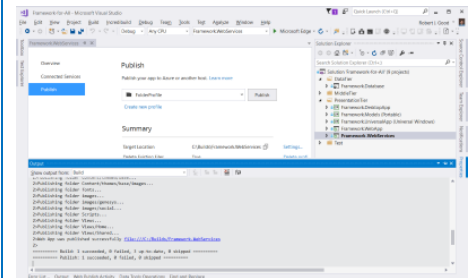
Set Target Path



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*

3

Publish



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.

Getting Help

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



Contact Genesys Source

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Help and Guidance

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