OPENSHIFT 2.X VISUAL STUDIO TOOL GUIDE TO

DEPLOY SAMPLE APPLICATION



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Table of Contents

Table of Contents	. 1
1. ABOUT THIS GUIDE	. 2
2. DEPLOYING SAMPLE APPLICATION USING OPENSHIFT.NET Visual Studio Plugin	. 2

Please Note: Click2Cloud OpenShift 2.X Visual Studio 2012+ Tool have been referred as Plugin, Extension and Tool in this document. The all the words used points to Click2Cloud OpenShift 2.X Visual Studio 2012+ Extension.



1. ABOUT THIS GUIDE

This guide will walk you through the deploying Sample Application using OpenShift.NET Visual Studio Extension for Visual Studio 2012+ Versions.

2. DEPLOYING SAMPLE APPLICATION USING OPENSHIFT 2.X Visual Studio Tool

This template provide the easy way to create, run web application in OpenShift environment using OpenShift.NET Visual Studio Extension. It provides freedom to developer to choose any embedded database cartridge for creating web application using cartridges. Use the following steps to create the application using **DOTNET 4.5** Cartridge and **MS SQL 2014** OR **FoxWeb 4.6.3** Cartridge and **MSSQL 2014** Cartridge into OpenShift -

 Open Visual Studio instance, select TOOLS from menu bar and then select Create Edit OpenShift Application as specified in below screen –



2. **Trial License** dialog will display details about how many days are remaining for the license to expire. Then click on **OK** button.





3. On the **OpenShift.NET Visual Studio Plugin** window, enter OpenShift server **hostname** and click on **Connect to Server** button.



Connect to OpenS	hift Server			
Connection : *	portal.cloud.rgenos.com			
Domain(s) : •	[e.g. broker.example.com]	~	Connect to server Manage Domains	
Git Clone Destination	*			
Existing Applicatio	n	Embeddable Cartridge	25	
Use Existing Ap	plication :	Name	Туре	
New Application				
Name :				
Type :	v			
Gear Size				
	×			
Enable Scaling 🔽				

4. On Sign in to OpenShift window, enter Username and Password and click OK.



portal.cloud.rge	nos.com	
[e.g. broker.exam	ple.com]	
	Sign in to OpenShift	x
Sign in to Op	enShift	
Username and OpenShift Sen	Password required for connecting to /er	.net R
Connection	portal.cloud.rgenos.com	
	[e.g. broker.example.com]	
Username :	demo	
Password :		
		ОК

5. A **Command Prompt** window will appear while connecting for the first time, where when asked about **token generation**, enter **yes**.



6. Next, enter yes when asked for uploading your public SSH key to OpenShift server.



7. Further you will be asked to enter a name for the Key which is not mandatory. In any case, press Enter.



CR.	C:\WINDOWS\system32\cmd.exe	-		×
No SSH keys were H	found. We will generate a pair of keys for you.			^
Created: C:/U:	sers/sapan.vaswani/.ssh/id_rsa.pub			
Your public SSH ka Upload now? (yes¦n yes	ey must be uploaded to the OpenShift server to access no>	cod	e.	
default (type: :	ssh-rsa)			
Fingerprint: 9	 97:1d:82:63:59:59:4a:d3:fc:65:4c:be:6c:c4:40:2c			
sapanvWSD011 (t	ype: ssh-rsa)			
Fingerprint:	d5 : 23 : 39 : ba : 35 : 2a : a3 : ac : 1f : 8b : 05 : 43 : cf : 3c : 75 : 18			
sapanvWSD023 (t	ype: ssh-rsa)			
Fingerprint: 3	3e:16:5d:54:e0:59:ea:16:d2:87:45:c2:11:a1:df:a5			
You can enter a na Using the same nam	ame for your key, or leave it blank to use the default me as an existing key will overwrite the old key.	na	me.	
Provide a name for	r this key: sapanyWSD0231			

8. Below dialog will load Cartridges, Domains, Gears and Applications of respective selected domain.

ew or existing O Please choose a na	penShift Applications me for your new application.			.net Click2Cloud
Connect to OpenS Connection : *	hift Server portal.cloud.rgenos.com [e.g. broker.example.com]			,
Domain(s) : * Git Clone Destination	demo •		Manac	ae Domains
Existing Applicatio Use Existing Ap New Application Name : Type : dotn	n olication : et-4.5	·	Name haproxy-1.4 jenkins-client-1 rgen-mssql-2014 rgen-mssql-2012 rgen-mssql-2008 postgresql-9.2 postgresql-8.4	Type embedded embedded embedded embedded embedded embedded embedded
Gear Size : med	ium	~		

9. Create application using DOTNET-4.5 and MSSQL 2014

To create new application using **DOTNET-4.5** and **MSSQL 2014**, click on **Browse for folder location** button, select destination for cloning (copying) application and after that enter the name for new application in **Name** textbox, select **dotnet-4.5** in **Type** dropdown, select gear size from **Gear Size** dropdown and select **rgen-mssql-2014** cartridge under **Embedded Cartridges** list and then click **Create** button.



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Connect to	OpenShi	ft Server			
Connectio	n:*	portal.cloud.rgenos.com			2
		[e.g. broker.example.com]			•
)omain(s)	:*	demo		✓ Mana	ge Domains
iit Clone De	stination : *	E:\OpenShiftApplications			
Existing Ap	plication		Embe	ddable Cartridges	
	isting Applic	cation :	Na	ame	Туре
				cron-1.4	embedded
				haproxy-1.4	embedded
New Applie	cation			jenkins-client-1	embedded
Name :	detecto	ample		mongoad-2.4	embedded
	uomets	ampie		rgen-mssql-2014	embedded
Type :	dotnet-	45	× П	rgen-mssgl-2008	embedded
	doutor			mysql-5.5	embedded
Gear Size :	small		✓	mysql-5.1	embedded
				postgresql-9.2	embedded
Enable Sca	aling 🗸			postgresql-8.4	embedded
				Г	

10. Create application using FOXWEB-4.6.3 and MSSQL 2014

To create new application using FOXWEB-4.6.3 and MSSQL 2014, click on Browse for folder location button, select destination for cloning (copying) application and after that enter the name for new application in Name textbox, select rgen-foxweb-4.6.3 in Type dropdown, select gear size from Gear Size dropdown and select rgen-mssql-2014 cartridge under Embedded Cartridges list and then click Create button.



				Click2Cloud
Connect to (Connection	OpenShif ۱∶≄	t Server broker.cloud.example.com [e.g. broker.example.com]		
Domain(s) : Git Clone Des	* tination : *	demo E:\OpenShiftApplications	✓ Ma	nage Domains
Use Exis New Applic Name : Type : Gear Size : Enable Scali	ation foxweb: rgen-fo mediur	sation : sample xweb-4.6.3	Name haproxy-1.4 jenkins-client-1 ✓ rgen-mssql-2014 rgen-mssql-2012 rgen-mssql-2008 postgresql-9.2 postgresql-8.4	Type embedded embedded embedded embedded embedded embedded

8. After successful creation of application it will start cloning. After some time you will be asked to continue connecting, refer below. Enter **yes** to continue.





9. Once application is successfully clone on specified location, project will be open in Visual Studio and **web.config** file shows the connection string of the database.



10. Before continue, first login to SQL Server specified in web.config file using SQL Server Management Studio and change the password for admin user. After that, update the changed password in the DBConnectionString.

[NOTE: The MSSQL Cartridges require to change password in first login]

\frown
Click2Cloud [™]

ļ	Connect to Server	×
SQL Ser	ver "2012	
Server type:	Database Engine	✓
Server name:	55814d07abf79bb4e8000399-	lemo.rgenos.com, 🗸
Authentication:	SQL Server Authentication	~
Login:	admin_D4eclcn	✓
Password:	8	Change Password
	Your password is expired.	You must enter another password before you can log
Connec	Login:	admin_D4eclcn
	New Password:	••••••
	Confirm Password:	
		OK Cancel Help

11. Now in the **SQL Server Management Studio**, Open the **SampleApplicationScript.sql** file located in the **DatabaseScipt** folder and run it. It will install the required table for running the sample application.



- 12. Now import all files from **DOTNET-4.5 and MSSQL** folder (if creating DOTNET application) OR **FOXWEB-4.6.3 and MSSQL** folder (if creating FoxWeb application) in the application.
- 13. **NOTE**: In case of FoxWeb application, connection string need to be modified in **FoxWeb.fwx** file also.







14. Now click **F5** to run application locally. You should see following output in browser.



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	and a second second			
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Add Custo	mer Customer name	Customer no	Customer address	
Add Custo	IER mer Customer name	Customer no	Customer address	
Add Custo	IER mer Customer name	Customer no	Customer address	

15. To deploy changes on OpenShift using OpenShift.NET Visual Studio Plugin, modify any content as per requirement. For example, in this example, we are changing **Microsoft SQL Server** text as specified in above screen with **Microsoft SQL Server -2014** by changing in **Default.aspx** page.





16. Now to deploy changes on OpenShift environment, first save the file and right click on Project in **Solution Explore** and then select **Publish to OpenShift**.



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17. In the Publish to OpenShift window, enter Comment and click OK.



18. Once application is deployed successfully, it will show publish logs in **Publish to OpenShift** window.



