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## ZNODE MULTIFRONT – NETTIERS GENERATION USER GUIDE

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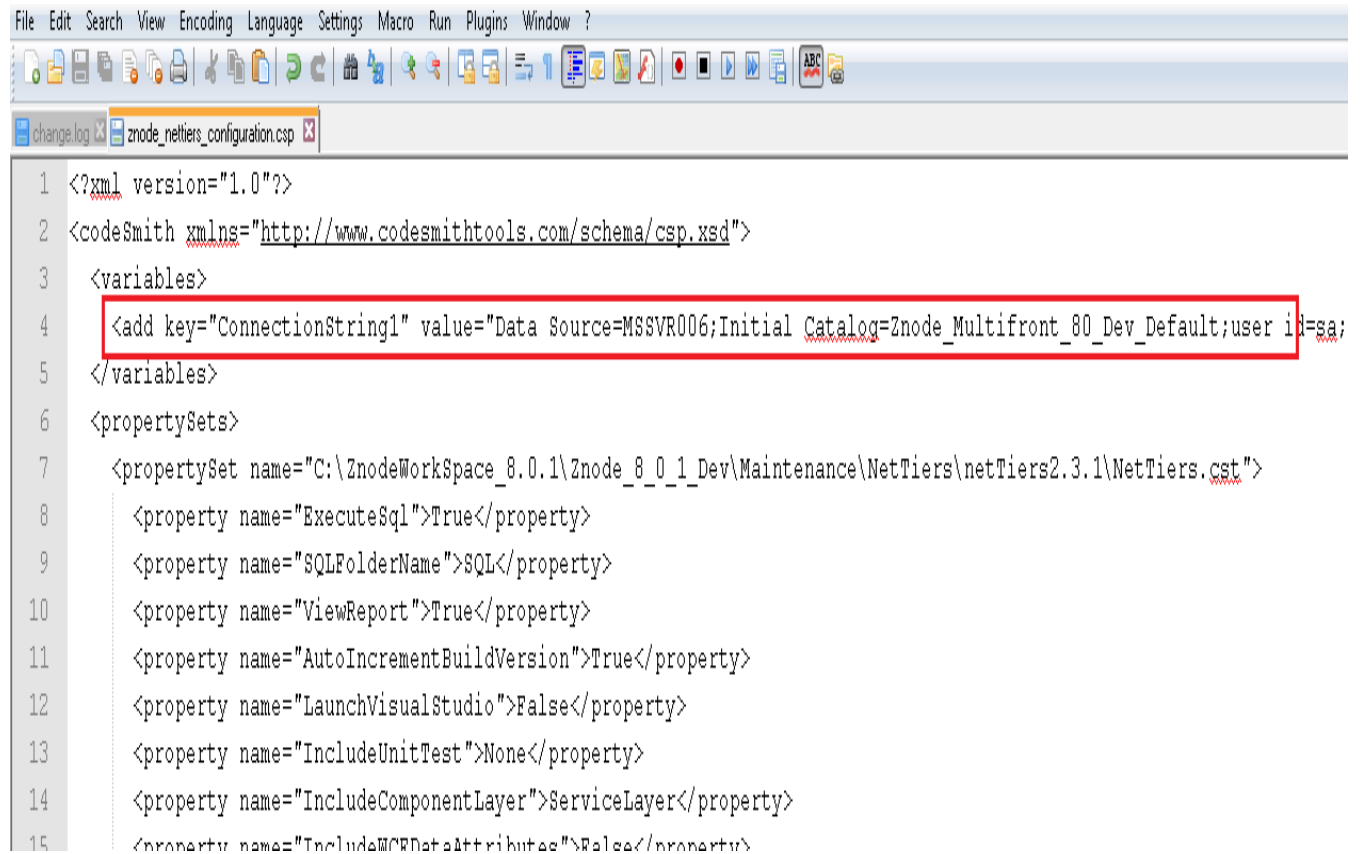
SEPTEMBER 2015

## • Steps to generate NetTiers

### 1. Steps (For Pioneer):

The following steps should take care at the time of new branch or for new solution.

1. Go to the MST001 server. Log in with the valid credentials.
2. Take the latest version of the branch you are working on.
3. Go to the Maintenance folder
4. Go to the NetTiers folder
5. There will be a file named "znode\_nettiers\_configuration.csp".
6. Open this file in the Notepad++
7. Update the DB connection string present at line number 4.



```
File Edit Search View Encoding Language Settings Macro Run Plugins Window ?
change.log znode_nettiers_configuration.csp
1 <?xml version="1.0"?>
2 <codeSmith xmlns="http://www.codesmithtools.com/schema/csp.xsd">
3   <variables>
4     <add key="ConnectionString1" value="Data Source=MSSVR006;Initial Catalog=Znode_Multifront_80_Dev_Default;user id=sa;" />
5   </variables>
6   <propertySets>
7     <propertySet name="C:\ZnodeWorkspace_8.0.1\Znode_8_0_1_Dev\Maintenance\NetTiers\netTiers2.3.1\NetTiers.cst">
8       <property name="ExecuteSql">True</property>
9       <property name="SQLFolderName">SQL</property>
10      <property name="ViewReport">True</property>
11      <property name="AutoIncrementBuildVersion">True</property>
12      <property name="LaunchVisualStudio">False</property>
13      <property name="IncludeUnitTest">None</property>
14      <property name="IncludeComponentLayer">ServiceLayer</property>
15      <property name="IncludeMCRDataAttributes">False</property>
```

- Update the property named "PropertySet" and add the new path in the name field at line number 7.

```

1 <?xml version="1.0"?>
2 <codeSmith xmlns="http://www.codesmithtools.com/schema/csp.xsd">
3   <variables>
4     <add key="ConnectionString1" value="Data Source=MSSVR006;Initial Catalog=Znode_Multifront_80_Dev_Default;user id=ga;
5   </variables>
6   <propertySets>
7     <propertySet name="C:\ZnodeWorkspace_8.0.1\Znode_8_0_1_Dev\Maintenance\NetTiers\netTiers2.3.1\NetTiers.csgt">
8       <property name="ExecuteSql">True</property>
9       <property name="SQLFolderName">SQL</property>
10      <property name="ViewReport">True</property>
11      <property name="AutoIncrementBuildVersion">True</property>
12      <property name="LaunchVisualStudio">False</property>
13      <property name="IncludeUnitTest">None</property>
14      <property name="IncludeComponentLayer">ServiceLayer</property>
15      <property name="IncludeMCFDataAttributes">False</property>

```

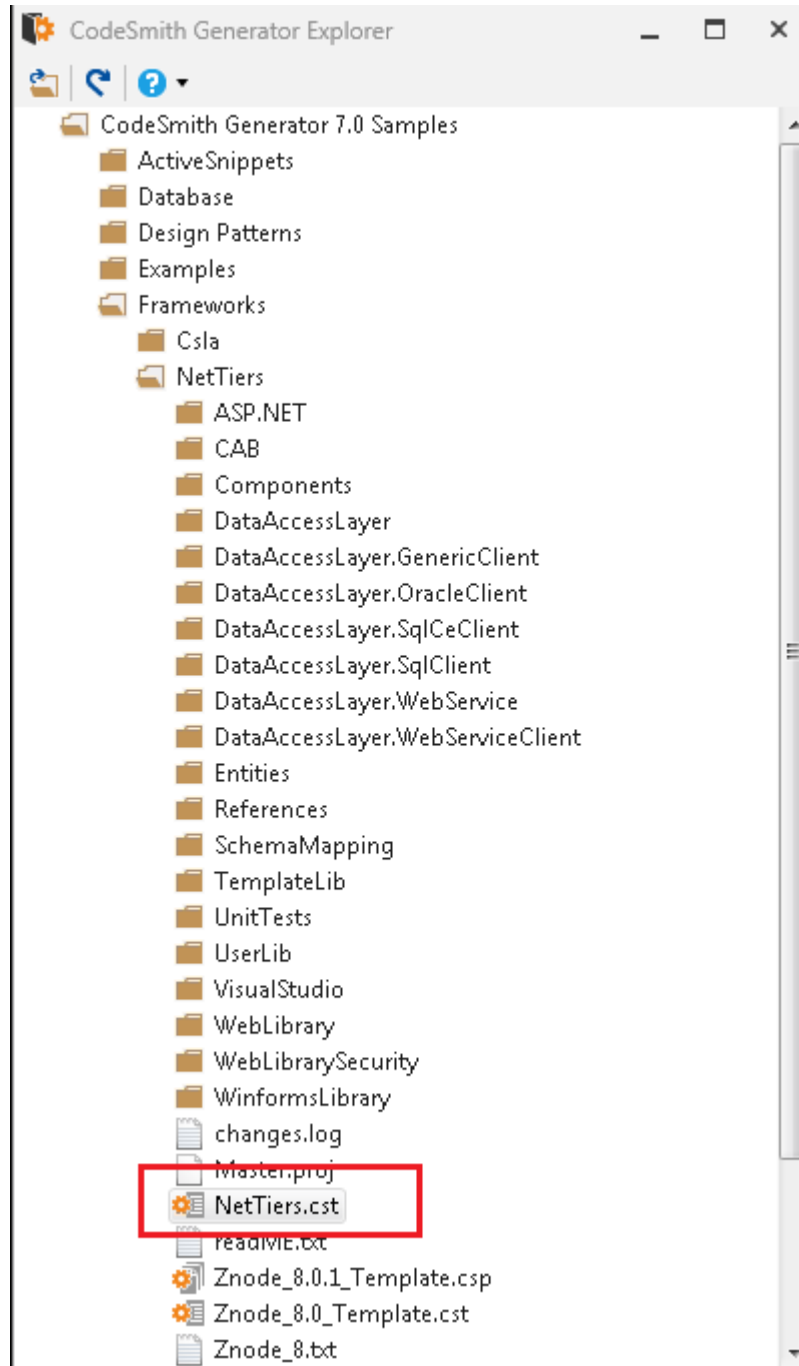
- Update the property named "OutputDirectory" present at line number '70'
- Also change the property named "MappingFile" present at line number '71'

```

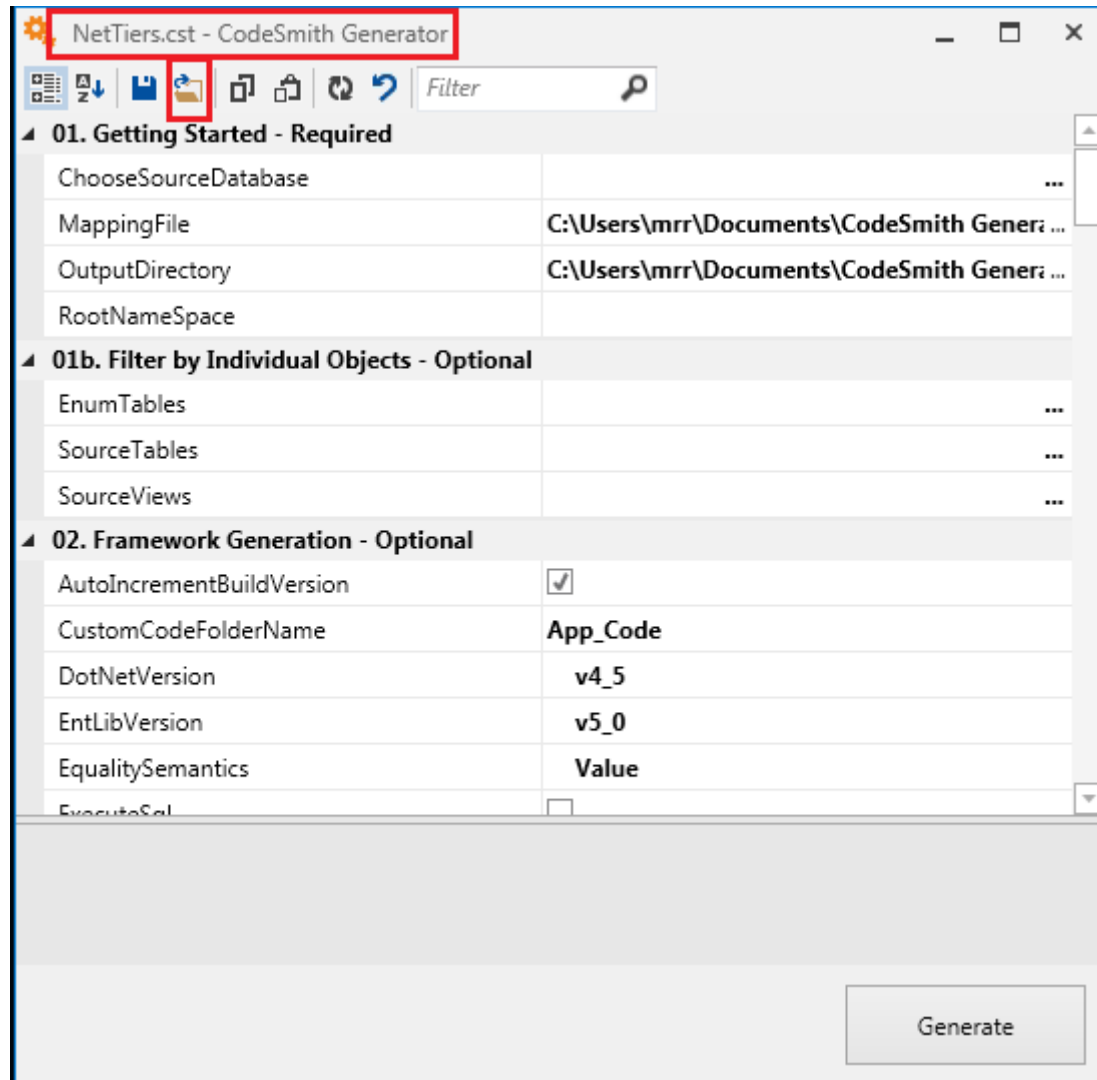
65 <property name="SelectSuffix">_Get</property>
66 <property name="SelectAllSuffix">_List</property>
67 <property name="FindSuffix">_Find</property>
68 <property name="GenerateWinLibrary">False</property>
69 <property name="RootNameSpace">ZNode.Libraries.DataAccess</property>
70 <property name="OutputDirectory">C:\ZnodeWorkspace_8.0.1\Znode_8_0_1_Dev\Znode80_Dev</property>
71 <property name="MappingFile">C:\ZnodeWorkspace_8.0.1\Znode_8_0_1_Dev\Maintenance\NetTiers\znodestorefrontMapping.conf</property>
72 <property name="ComponentLayerNameSpace">Service</property>
73 <property name="SourceTables">
74   <connectionString>$(ConnectionString1)</connectionString>
75   <providerType>SchemaExplorer.SqlSchemaProvider, SchemaExplorer.SqlSchemaProvider</providerType>
76   <tableList>
77

```

11. Once the changes are done. Save the file.
12. Now, open the CodeSmith tool.
13. You will see the file named "NetTiers.cst".

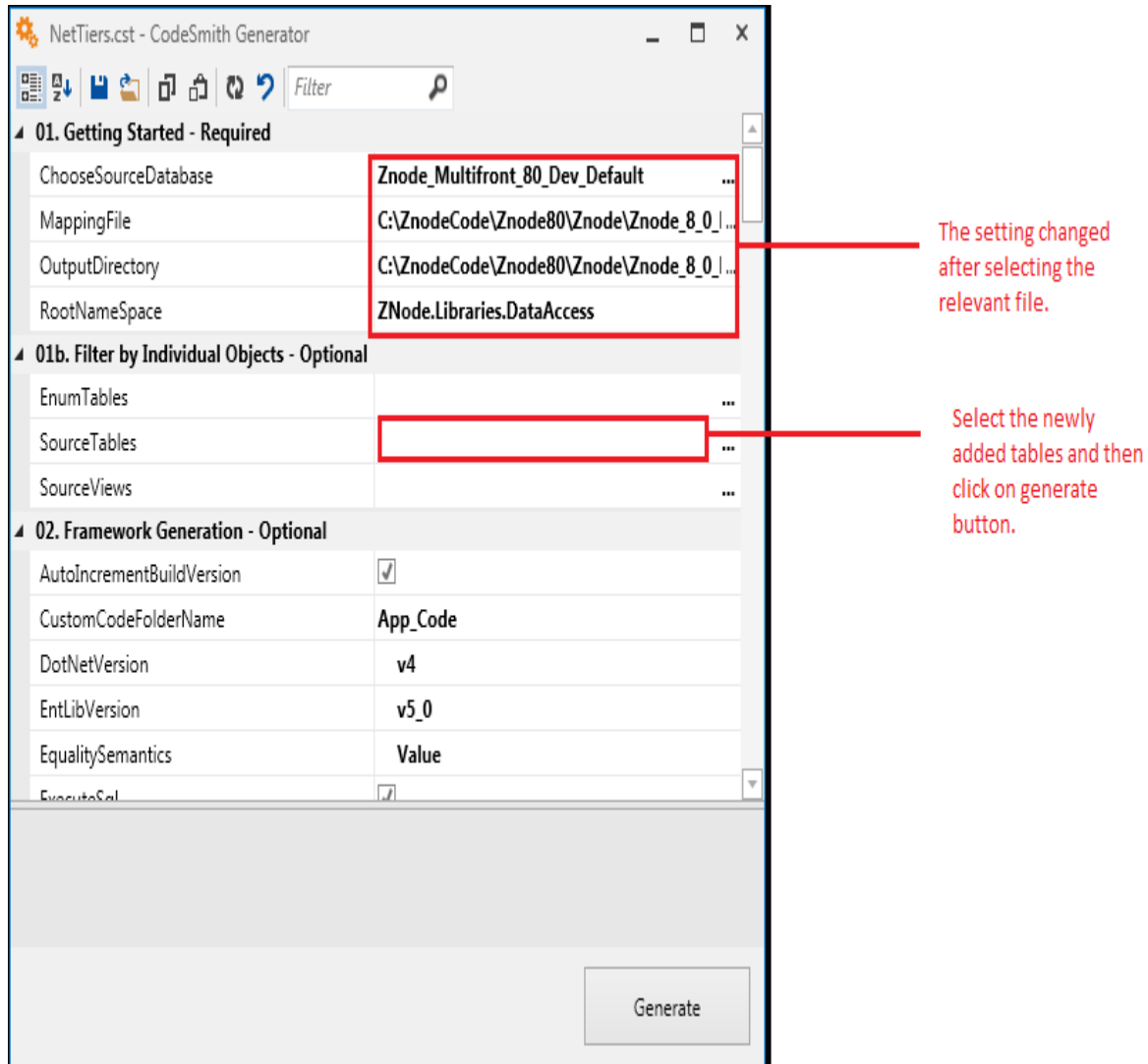


14. Double click on this file. It will open a setting section.



15. Click on the open button and select the file named "znode\_nettiers\_configuration.csp" under the path "C:\ZnodeCode\Znode80\Znode\Znode\_8\_0\_Dev\Maintenance\NetTiers\"

16. You will notice that all the changes are reflected in the above window.



17. Select the newly added tables.

18. Remove the existing mapping file with the name znodestorefrontmapping.conf" (if any)

a) This file has to be newly created and should get checked in at the time of final release.

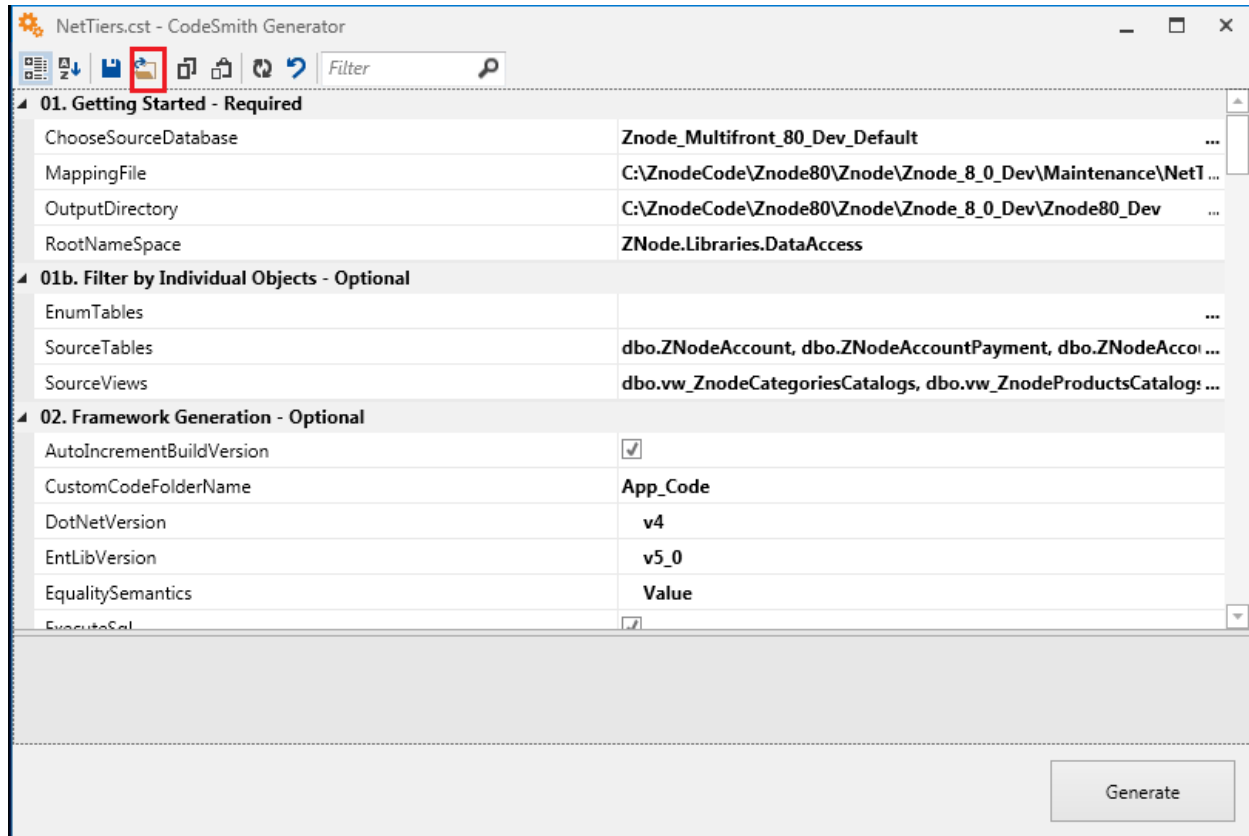
19. We need to Check out all the 4 libraries which are associated with the NetTiers. The libraries are as follows:
  - a. ZNode.Libraries.DataAccess.Data
  - b. ZNode.Libraries.DataAccess.Data.SqlClient
  - c. ZNode.Libraries.DataAccess.Entities
  - d. ZNode.Libraries.DataAccess.Service
20. Now, click on the Generate Button at bottom.
21. The process will take some time. Once completed it will show the result in the html file.
22. One can check the name of the newly added table in the html file.
23. Now, clean and rebuild the solution. There should not be any error.
24. If the solution is error free you can proceed with the general check ins.

## 2. Steps (For normal usage):

The following steps should be taken care at the time of normal development process.

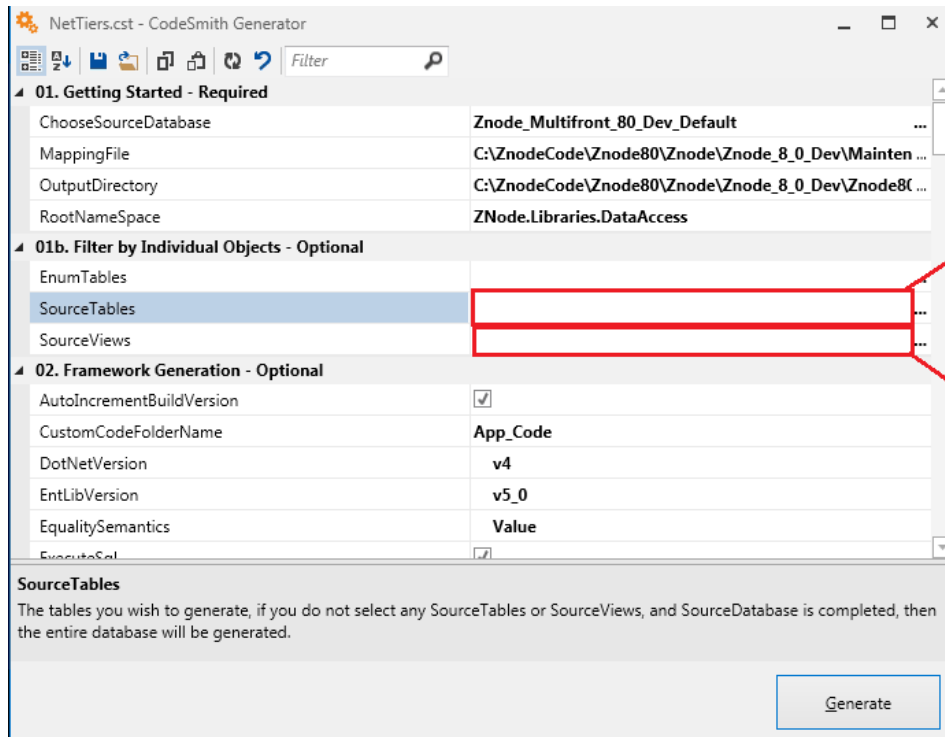
1. Go to the MST001 server. Log in with the valid credentials.
2. Take the latest version of the branch you are working on.
3. Open the CodeSmith Generator Explorer.
4. Open the NetTiers.cst (under tree view) under "Frameworks/NetTiers/NetTiers.cst".
5. Click on Open button





6. Remove "znodestorefrontmapping.conf" from the location "~\Maintenance\NetTiers" (if any)
7. Remove the entries in SourceTables and SourceViews. (if any)
8. Select the newly added tables and views along with default tables and default views present under heading **List of Default Tables and Views**.





Remove the pre-existing entries if any.

And then select the newly added tables.

Remove the views (if any)

9. We need to Check out all the 4 libraries which are associated with the NetTiers. The libraries are as follows:

- a) ZNode.Libraries.DataAccess.Data
- b) ZNode.Libraries.DataAccess.Data.SqlClient
- c) ZNode.Libraries.DataAccess.Entities
- d) ZNode.Libraries.DataAccess.Service

10. Before generating Net Tiers, delete all the files and folder from **C:\CodeSmth**

11. Click on Generate Button.

12. The process will take some time. Once completed it will show the result in the html file.

13. One can check the name of the newly added table in the html file.

14. Once the html file is successfully generated open the solution file of codesmith in Visual Studio present in **C:\CodeSmth**, clean the solution and build it. Build must be error free.

15. Copy paste the following libraries from code smith's project folder to our solution's project folder:

- a) ZNode.Libraries.DataAccess.Data
- b) ZNode.Libraries.DataAccess.Data.SqlClient
- c) ZNode.Libraries.DataAccess.Entities
- d) ZNode.Libraries.DataAccess.Service

*Exclude bin folder, obj folder, csproj file and xml file while copying from each of the above mentioned projects.*

16. Now, clean and rebuild the our project's solution. There should not be any error.

17. If the solution is error free you can proceed with the general check-ins.

## List of Default Tables and Views

### **(I) Tables to be used (default):**

dbo.ZNodeAccount, dbo.ZNodeAccountPayment, dbo.ZNodeAccountProfile, dbo.ZNodeAccountType, dbo.ZNodeActivityLog, dbo.ZNodeActivityLogType, dbo.ZNodeAddOn, dbo.ZNodeAddOnValue, dbo.ZNodeAddress, dbo.ZNodeApplicationSetting, dbo.ZNodeAttributeType, dbo.ZNodeCasePriority, dbo.ZNodeCaseRequest, dbo.ZNodeCaseStatus, dbo.ZNodeCaseType, dbo.ZNodeCatalog, dbo.ZNodeCategory, dbo.ZNodeCategoryNode, dbo.ZNodeCategoryProfile, dbo.ZNodeContentPage, dbo.ZNodeContentPageRevision, dbo.ZNodeCookieMapping, dbo.ZNodeCountry, dbo.ZNodeCSS, dbo.ZNodeCurrencyType, dbo.ZNodeCustomerPricing, dbo.ZNodeDigitalAsset, dbo.ZNodeDiscountType, dbo.ZNodeDomain, dbo.ZNodeFacet, dbo.ZNodeFacetControlType, dbo.ZNodeFacetGroup, dbo.ZNodeFacetGroupCategory, dbo.ZNodeFacetProductSKU, dbo.ZNodeGateway, dbo.ZNodeGiftCard, dbo.ZNodeGiftCardHistory, dbo.ZNodeHighlight, dbo.ZNodeHighlightType, dbo.ZNodeLocale, dbo.ZNodeLuceneDocumentMapping, dbo.ZNodeLuceneGlobalProductBoost, dbo.ZNodeLuceneGlobalProductBrandBoost, dbo.ZNodeLuceneGlobalProductCatalogBoost, dbo.ZNodeLuceneGlobalProductCategoryBoost, dbo.ZNodeLuceneIndexMonitor,

dbo.ZNodeLuceneIndexServerStatus, dbo.ZNodeLuceneIndexStatusNames,  
 dbo.ZNodeLuceneServerConfigurationStatus, dbo.ZNodeManufacturer,  
 dbo.ZNodeMasterPage, dbo.ZNodeMessageConfig, dbo.ZNodeMessageType,  
 dbo.ZNodeMultifront, dbo.ZNodeNote, dbo.ZNodeOrder,  
 dbo.ZNodeOrderDetailProductExtensionOption, dbo.ZNodeOrderLineItem,  
 dbo.ZNodeOrderLineItemRelationshipType, dbo.ZNodeOrderProcessingType,  
 dbo.ZNodeOrderShipment, dbo.ZNodeOrderState,  
 dbo.ZNodeParentChildProduct, dbo.ZNodePasswordLog,  
 dbo.ZNodePaymentSetting, dbo.ZNodePaymentStatus,  
 dbo.ZNodePaymentToken, dbo.ZNodePaymentTokenAuthorize,  
 dbo.ZNodePaymentType, dbo.ZNodePortal, dbo.ZNodePortalCatalog,  
 dbo.ZNodePortalCountry, dbo.ZNodePortalProfile, dbo.ZNodePortalWorkflow,  
 dbo.ZNodePriceList, dbo.ZNodeProduct, dbo.ZNodeProductAddOn,  
 dbo.ZNodeProductAttribute, dbo.ZNodeProductCategory,  
 dbo.ZNodeProductCrossSell, dbo.ZNodeProductExtension,  
 dbo.ZNodeProductExtensionOption,  
 dbo.ZNodeProductExtensionOptionProduct,  
 dbo.ZNodeProductExtensionRelation,  
 dbo.ZNodeProductHighlight, dbo.ZNodeProductImage,  
 dbo.ZNodeProductImageType, dbo.ZNodeProductProfile,  
 dbo.ZNodeProductRelationType, dbo.ZNodeProductReviewHistory,  
 dbo.ZNodeProductReviewState, dbo.ZNodeProductTier,  
 dbo.ZNodeProductType, dbo.ZNodeProductTypeAttribute, dbo.ZNodeProfile,  
 dbo.ZNodePromotion, dbo.ZNodeReasonForReturn,  
 dbo.ZNodeReferralCommission, dbo.ZNodeReferralCommissionType,  
 dbo.ZNodeRequestStatus, dbo.ZNodeResetPassword,  
 dbo.ZNodeReview, dbo.ZNodeRMAConfiguration, dbo.ZNodeRMARequest,  
 dbo.ZNodeRMARequestItem, dbo.ZNodeSavedCart,  
 dbo.ZNodeSavedCartLineItem,  
 dbo.ZNodeSavedCartLineItemProductExtensionOption, dbo.ZNodeShipping,  
 dbo.ZNodeShippingRule, dbo.ZNodeShippingRuleType,  
 dbo.ZNodeShippingServiceCode, dbo.ZNodeShippingType, dbo.ZNodeSKU,  
 dbo.ZNodeSKUAttribute, dbo.ZNodeSKUInventory, dbo.ZNodeSKUProfile,  
 dbo.ZNodeSKUProfileEffective, dbo.ZNodeSourceModificationAudit,  
 dbo.ZNodeSourceModificationStatus, dbo.ZNodeSourceModificationType,  
 dbo.ZNodeSourceType, dbo.ZNodeState, dbo.ZNodeStore,  
 dbo.ZNodeSupplier, dbo.ZNodeSupplierType, dbo.ZNodeTags,  
 dbo.ZNodeTaxClass, dbo.ZNodeTaxRule, dbo.ZNodeTaxRuleType,  
 dbo.ZNodeTheme, dbo.ZNodeTracking, dbo.ZNodeTrackingEvent,  
 dbo.ZNodeTrackingOutbound, dbo.ZNodeUrlRedirect,  
 dbo.ZNodeUserDefinedView, dbo.ZNodeWishList, dbo.ZNodeWorkflow,  
 dbo.ZNodeZipCode

## **(II) Views to be used (default):**

dbo.vw\_ZnodeCategoriesCatalogs, dbo.vw\_ZnodeCategoriesPortals,  
dbo.vw\_ZnodeProductsCatalogs, dbo.vw\_ZnodeProductsCategories,  
dbo.vw\_ZnodeProductsCategoriesPromotions, dbo.vw\_ZnodeProductsPortals,  
dbo.vw\_ZnodeProductsPromotions

## **(III) Affected files that need to replace**

Following are the files which need to be updated:

1. ZNode.Libraries.DataAccess.Data\Query\SqlStringBuilder.cs
2. ZNode.Libraries.DataAccess.Data\Query\SqlUtil.cs
3. ZNode.Libraries.DataAccess.Entities\Account.cs
4. ZNode.Libraries.DataAccess.Entities\AddOnValue.cs
5. ZNode.Libraries.DataAccess.Entities\Category.cs
6. ZNode.Libraries.DataAccess.Entities\Country.cs
7. ZNode.Libraries.DataAccess.Entities\Address.cs
8. ZNode.Libraries.DataAccess.Entities\MessageConfigBase.generated.cs
9. ZNode.Libraries.DataAccess.Entities\Order.cs
10. ZNode.Libraries.DataAccess.Entities\PaymentSetting.cs
11. ZNode.Libraries.DataAccess.Entities\PaymentSettingBase.generated.cs
12. ZNode.Libraries.DataAccess.Entities\Product.cs
13. ZNode.Libraries.DataAccess.Entities\ProductAttribute.cs
14. ZNode.Libraries.DataAccess.Entities\SKU.cs
15. ZNode.Libraries.DataAccess.Entities\SourceModificationAudit.cs

We recommend to replace above mentioned files with the mentioned attached files.