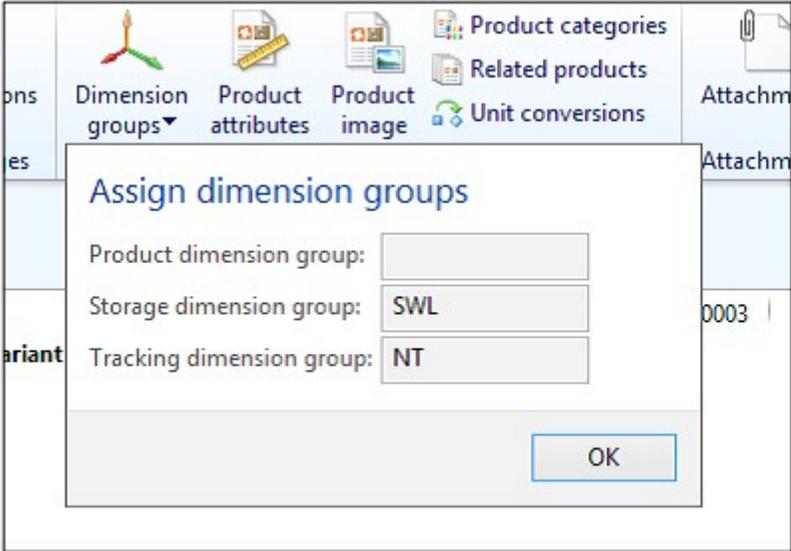


Chapter 1: Preparing Our Solution



CREATE NEW TEAM PROJECT ×

Project name
Note: You cannot change the name of your project after you have created it

Description

Process template **MSF for Agile Software Development 2013.3** ▼
This template is flexible and will work great for most teams using Agile planning methods, including those practicing Scrum.

Version control **Team Foundation Version Control** ▼
Team Foundation Version Control (TFVC) uses a single, centralized server repository to track and version files. Local changes are always checked in to the central server where other developers can get the latest changes.

CREATE NEW TEAM PROJECT ×

Team project information

Project name **6015GettingStarted**
Process template **MSF for Agile Software Development 2013.3**

Your project is created and your team is going to absolutely love this.

Version control settings

Version control status:

Enable ▾

Version control system:

Team Foundation Server ▾

Repository folder:

C:\Projects\VCS\AX



Environment settings

Colour checked-out objects in the AOT:

Warn when reverting objects:



Microsoft account [What's this?](#)

<yourLiveAccount.domain.com>

••••••••

Keep me signed in

Sign in

 C:\Projects\VCS\AX\6015GettingStarted



Team foundation server error



TF30064: You are not authorized to access the server.

Name or URL of Team Foundation Server:

Connection Details

Path:

Port number:

Protocol: HTTP HTTPS

Preview:

Microsoft Dynamics AX

Create model

Model parameters

Model name:

Model publisher:

Layer:

Version:

Model description:

Model display name:

Set as current model:

Set as current model:

Version control - add model

Model repository folder: 

🔔 (0) | USD | ConLabel | usr | usmf | initial

- Resources
 - Label Files
 - CON(usr) [ConLabel]
 - Languages
 - ar(usr) [ConLabel]
 - cs(usr) [ConLabel]
 - da(usr) [ConLabel]

Project ConFleetManage... | Group Object1

ConFleetManagementSystem(usr) [ConLabel]

Object1

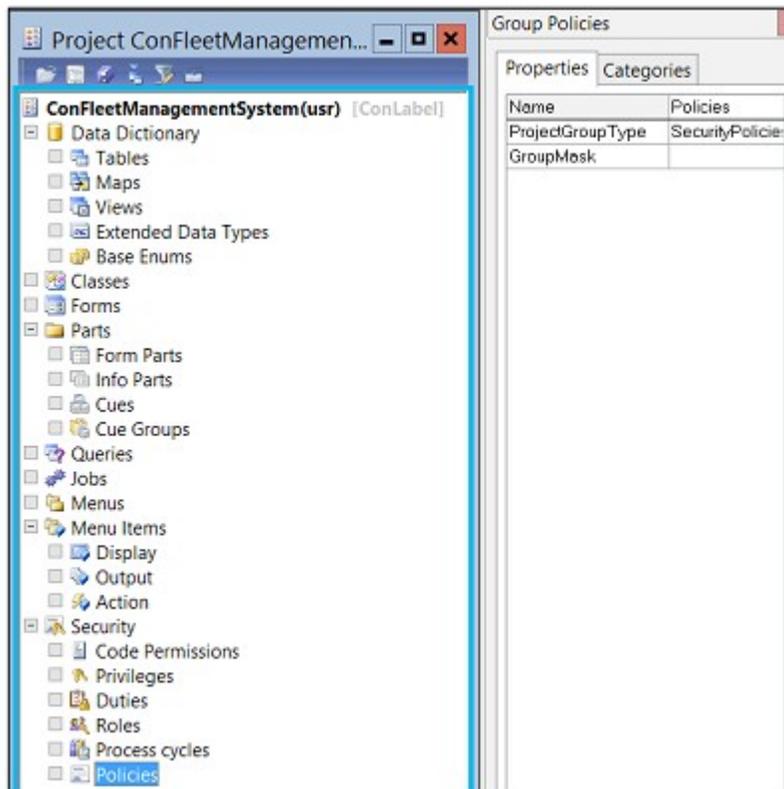
Properties	
Name	Object1
ProjectGroupType	All
GroupMask	

Project ConFleetManage... | Group Object1

ConFleetManagementSystem(usr) [ConLabel]

Data Dictionary

Properties	
Name	Data Dictionary
ProjectGroupType	DataDictionary
GroupMask	



Set up options for the development workspace

Toolbar Best practices Compiler

General

Startup project: (None) v

Message limit: 1000

Development warnings:

Startup model: ConFleetManagement Contoso IT Services v

Execute business operations in CLI:

Application object tree

Application object layer: Show all from corrected layers v

Application object model: Show on elements in current layer only v

Debug

Auto

Auto-update: 6

Auto-refresh:

Auto-save:

Garbage collection limit: 20

Trace

Database trace:

Client/server trace:

ActiveX trace:

Chapter 2: Creating Data Structure

Label Setup

Find what: 

In the language: 

 New  Delete  Used by  Label log

<input type="checkbox"/>	Label ID	Language	Label ^	Description
This grid is empty.				

Label Setup

General

Label file ID: 

Auto search:

Select language to be shown in the label dialogue

- Lithuanian
- Norwegian (Bokmal)
- Polish
- Portuguese (Brazil)

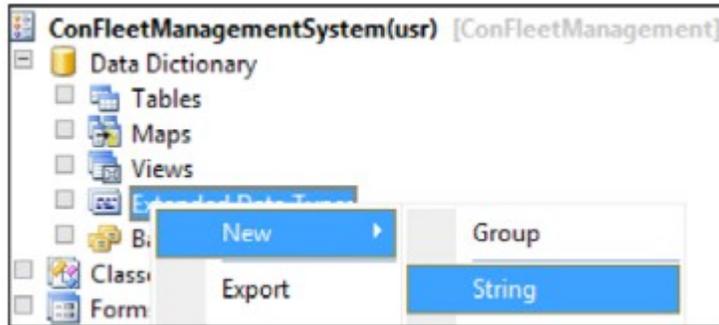
Label Setup

Find what: 

In the language: 

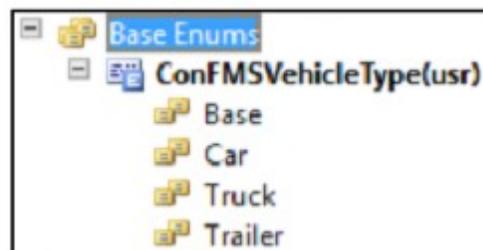
 New  Delete  Used by  Label log

<input type="checkbox"/>	Label ID	Language	Label ^	Description
<input type="checkbox"/>	@CON3	en-gb	Vehicle group	Con FMS Vehicle descriptio
...				
<input checked="" type="checkbox"/>	@CON3	nb-no	kjoretøygruppe	Con FMS kjoretøygrup..



Properties	Categories
ID	103759
Name	ConFMSVehicleGroupId
Label	Vehicle group
HelpText	
DisplayLength	Auto
ConfigurationKey	
ButtonImage	Arrow
Origin	{5ECBCD8B-1537-4398-B67E-327A}
LegacyId	0
Model	ConFleetManagement
ReferenceTable	
Direction	Auto
Extends	SysGroup
DisplayHeight	Auto
StringSize	10
Adjustment	Left
Alignment	Auto

```
public static ConFMS method1()
{
    ConFMSVehicleGroup
    ConFMSVehicleGroupId
}
```



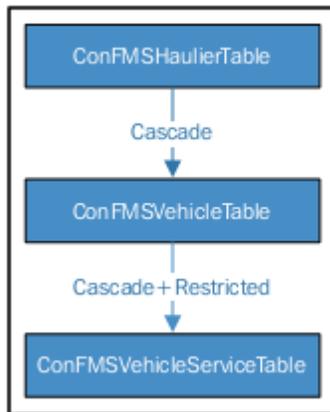
ID	101234
Name	ConFMSVehicleStatus
Label	Status
Help	
DisplayLength	Auto
Style	Combo box
ConfigurationKey	
AnalysisUsage	None
UseEnumValue	Yes

ConFleetManagementSystem(usr) [ConFleetManagement]	
Data Dictionary	
Tables	
ConFMSVehicleTable(usr) [ConFleetManagement]	
Fields	
InstanceRelationType(u	
Field Groups	

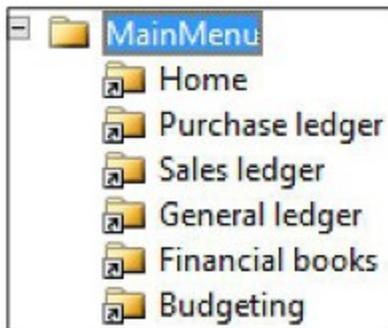
ConFMSVehicleGroup(usr) [ConFleetManagement]
ConFMSVehicleTable.VehicleGroupId == ConFMSVehicleGroup.VehicleGroupId

Properties	Categories
Name	ConFMSVehicleGroup
Table	ConFMSVehicleGroup
Validate	Yes
EntityRelationshipRole	
RelatedTableCardinality	NotSpecified
Cardinality	NotSpecified
RelationshipType	NotSpecified
UseDefaultRoleNames	Yes
RelatedTableRole	
Role	
CreateNavigationPropertyMethods	No
NavigationPropertyNameOverride	
EDTRelation	No
Model	ConFleetManagement

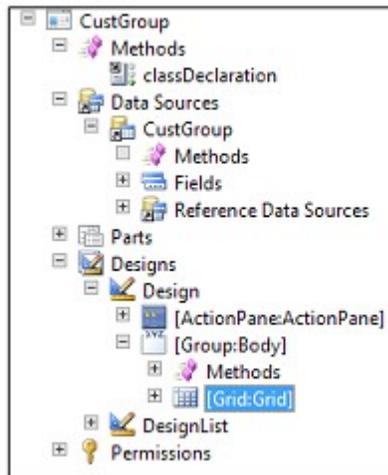
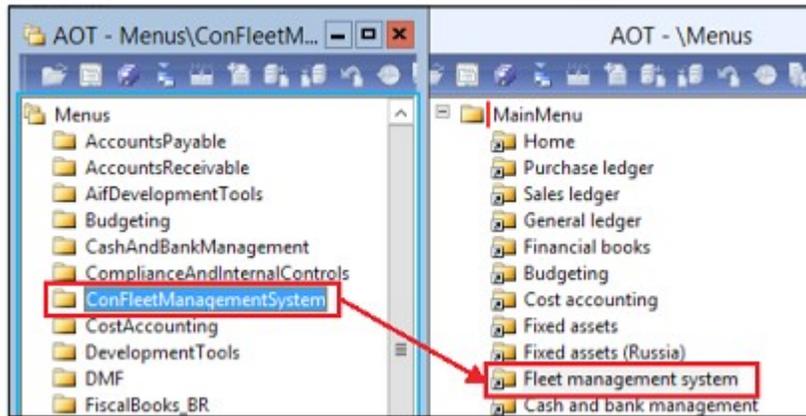
RelatedTableCardinality	ZeroOne
Cardinality	ZeroMore
RelationshipType	Association

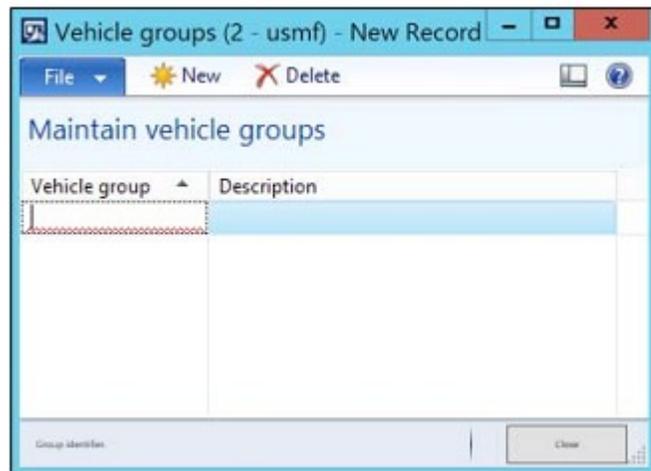
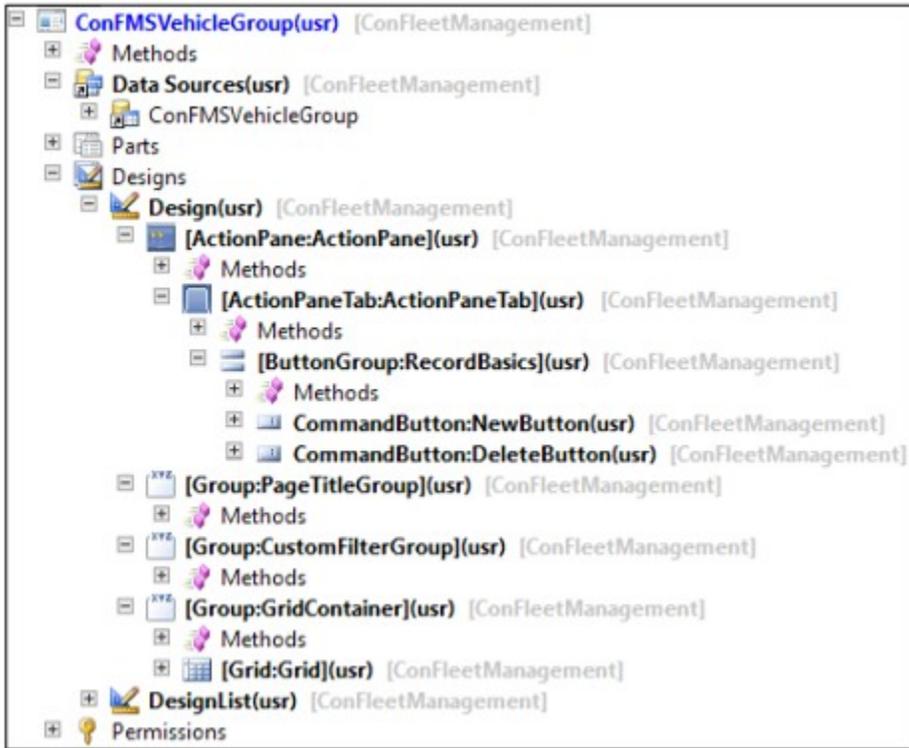


Chapter 3: Creating the User Interface



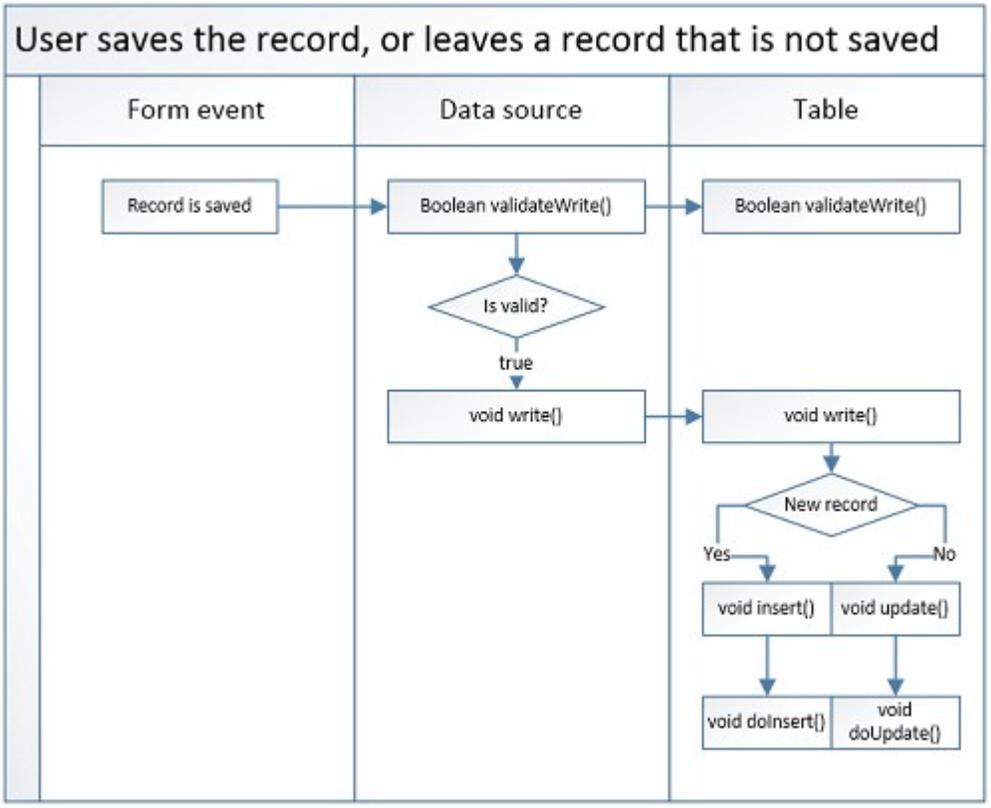
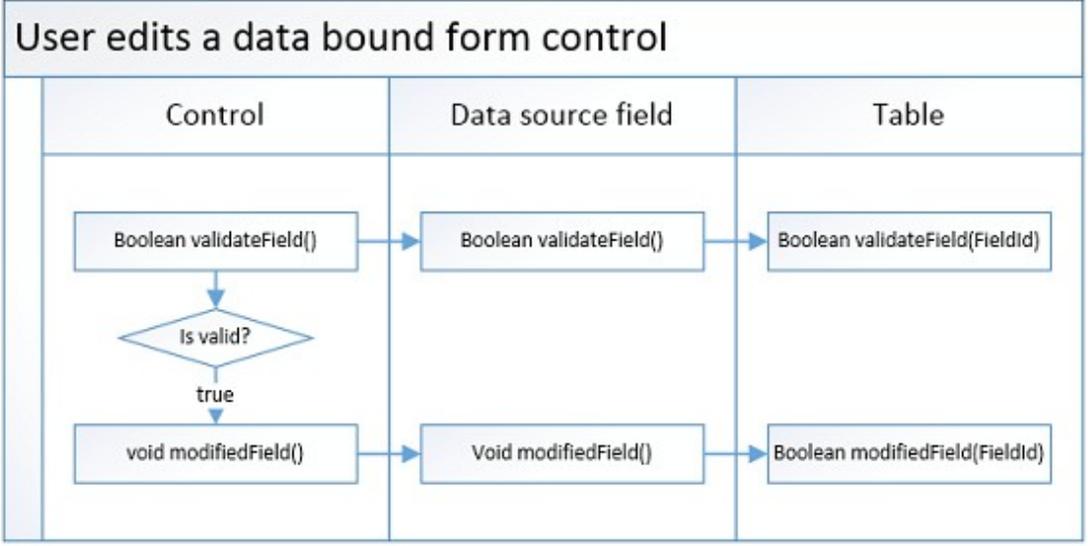
<ul style="list-style-type: none"> [-] AccountsReceivable <ul style="list-style-type: none"> [+] Common [+] Journals [+] Inquiries [+] Reports [+] Periodic [+] Setup [+] AifDevelopmentTools [+] Budgeting 	<table border="1"> <thead> <tr> <th>Name</th> <th>AccountsReceivable</th> </tr> </thead> <tbody> <tr> <td>Label</td> <td>Sales ledger</td> </tr> <tr> <td>ConfigurationKey</td> <td></td> </tr> <tr> <td>SecurityKey</td> <td></td> </tr> <tr> <td>NeededAccessLevel</td> <td>View</td> </tr> <tr> <td>ShowParentModule</td> <td>Yes</td> </tr> <tr> <td>SetCompany</td> <td>Yes</td> </tr> <tr> <td>NormalImage</td> <td>3480</td> </tr> <tr> <td>ImageLocation</td> <td>EmbeddedResource</td> </tr> </tbody> </table>	Name	AccountsReceivable	Label	Sales ledger	ConfigurationKey		SecurityKey		NeededAccessLevel	View	ShowParentModule	Yes	SetCompany	Yes	NormalImage	3480	ImageLocation	EmbeddedResource
Name	AccountsReceivable																		
Label	Sales ledger																		
ConfigurationKey																			
SecurityKey																			
NeededAccessLevel	View																		
ShowParentModule	Yes																		
SetCompany	Yes																		
NormalImage	3480																		
ImageLocation	EmbeddedResource																		





- [-] **Design(usr)** [ConFleetManagement]
 - + [ActionPane:ActionPane](usr) [ConFleetManagement]
 - + [Group:PageTitleGroup](usr) [ConFleetManagement]
 - + [Group:CustomFilterGroup](usr) [ConFleetManagement]
 - [-] [Group:Body](usr) [ConFleetManagement]
 - + Methods
 - [-] [Group:GridContainer](usr) [ConFleetManagement]
 - + Methods
 - + [Grid:Grid](usr) [ConFleetManagement]
 - + [Group:VSplitter](usr) [ConFleetManagement]
 - [-] [Group:DetailsContainer](usr) [ConFleetManagement]
 - + Methods
 - [-] [Group:DetailsHeader](usr) [ConFleetManagement]
 - + Methods
 - [-] [Tab:DetailsTab](usr) [ConFleetManagement]
 - + Methods
 - [-] [TabPage:TabPage](usr) [ConFleetManagement]
 - + Methods
 - + **DesignList(usr)** [ConFleetManagement]

<ul style="list-style-type: none"> ConFMSVehicleSchedule(usr) [ConFleetManagement] <ul style="list-style-type: none"> + Methods [-] Data Sources(usr) [ConFleetManagement] <ul style="list-style-type: none"> + ConFMSVehicleSchedule + Parts [-] Designs <ul style="list-style-type: none"> [-] Design(usr) [ConFleetManagement] <ul style="list-style-type: none"> + [ActionPane:ActionPane](usr) [ConFleetManagement] + [Group:PageTitleGroup](usr) [ConFleetManagement] + [Group:CustomFilterGroup](usr) [ConFleetManagement] [-] [Group:Body](usr) [ConFleetManagement] <ul style="list-style-type: none"> + Methods [-] [Group:GridContainer](usr) [ConFleetManagement] <ul style="list-style-type: none"> + Methods + [Grid:Grid](usr) [ConFleetManagement] + [Group:VSplitter](usr) [ConFleetManagement] [-] [Group:DetailsContainer](usr) [ConFleetManagement] <ul style="list-style-type: none"> + Methods [-] [Group:DetailsHeader](usr) [ConFleetManagement] <ul style="list-style-type: none"> + Methods [-] [Tab:DetailsTab](usr) [ConFleetManagement] <ul style="list-style-type: none"> + Methods [-] [TabPage:TabPage](usr) [ConFleetManagement] <ul style="list-style-type: none"> + Methods 	<ul style="list-style-type: none"> Data Sources(usr) [ConFleetManagement] <ul style="list-style-type: none"> [-] ConFMSVehicleSchedule <ul style="list-style-type: none"> + Methods [-] Fields <ul style="list-style-type: none"> + createdBy + createdDateTime + dataAreald + Days + Description + Distance + modifiedBy + modifiedDateTime + Recid + TableId + VehicleScheduleId + Autoidentification + Fields + Overview + Schedule + Reference Data Sources
--	--



Address

Delivery name:

Address:

Delivery address:  

Delivery contact:

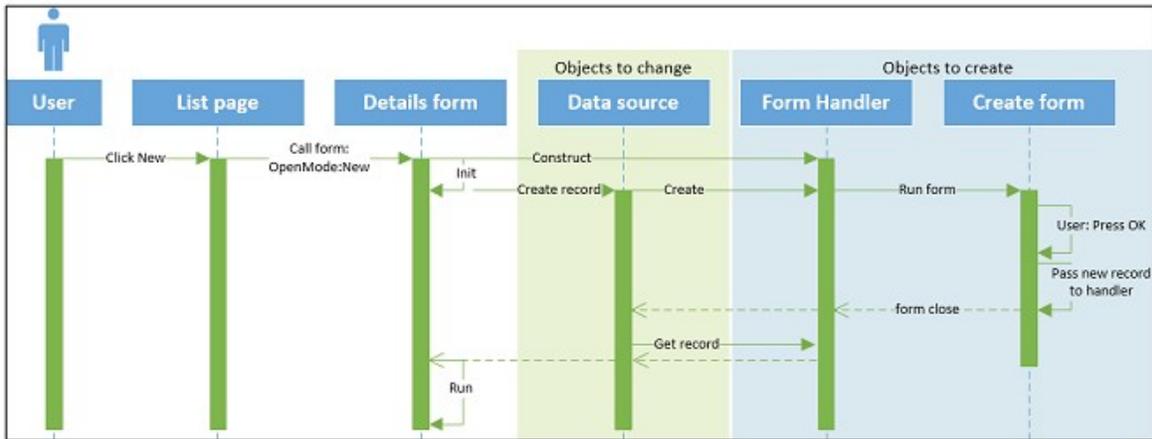
- [-] [Group:groupAddress]
 - [+] Methods
 - [-] [Group:GroupAddressSub]
 - [+] Methods
 - [-] [Group:groupAddressDisplay]
 - [+] Methods
 - [+] [abl] StringEdit:SalesTable_DeliveryName
 - [-] [Group:GroupDeliveryAddress]
 - [+] Methods
 - [+] [abl] [ReferenceGroup:ReferenceGroup]
 - [+] [MenuItemButton:LogisticsLocationSelect]
 - [+] [MenuItemButton:LogisticsPostalAddressNew]
 - [-] [Group:groupAddressDetails]
 - [+] Methods
 - [+] [abl] StringEdit:LogisticsPostalAddress_Address
 - [+] [abl] StringEdit:SalesTable_ShipCarrierDeliveryContact

Microsoft Dynamics AX (3)

Select a record type to create.

Vehicle details: 

- Vehicle details
- Car details

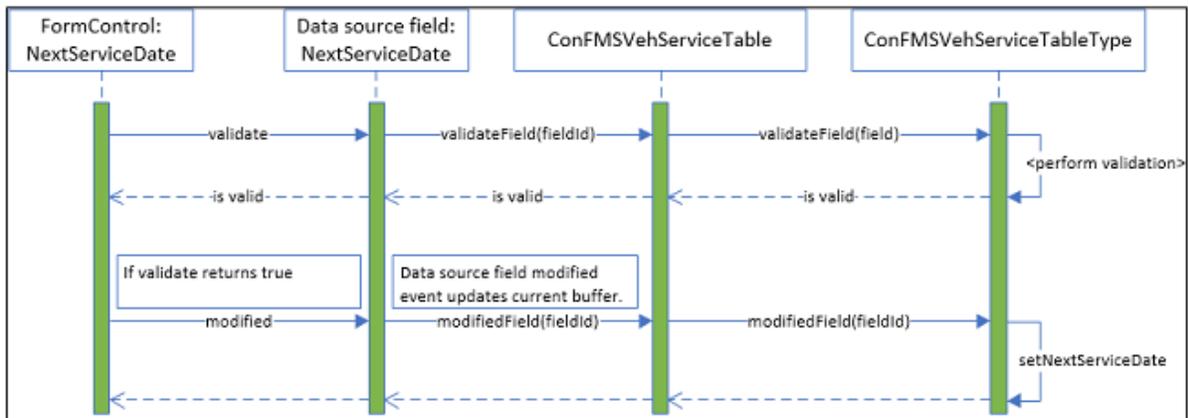


Chapter 4: Creating Business Logic and Hooking into Core AX

```

this.get
return getServiceSchedule public ConFMSVehicleSchedule getServiceSchedule()
This method will lookup the ConFMSVehicleSchedule, returning empty if not found

```



Other fields

Reference:	TR00001	▼
Reference(RecID):	5637146079	▼
Reference:		▼
Reference(RecID):	0	▼

Class	ConFMSEventTest
Method	vehicleChangedEventHandler
AOT link	\\Classes\\ConFMSEventTest\\vehicleChangedEventHandler
Model	ConFleetManagement

Chapter 5: Adding Business Intelligence

ConFMSVehicleAppointmentPart(usr) [ConFleetManagement]

- Methods
- Data Sources
 - TMSAppointment(TMSAppointment)
 - Fields
 - Ranges
 - Data Sources
 - ConFMSVehicleTable(ConFMSVehicleTable)
 - Fields
 - Ranges
 - Data Sources
 - ConFMSVehServiceTable(ConFMSVehServiceTable)
 - Fields
 - Ranges
 - Data Sources
 - Relations
 - ConFMSVehicleTable
 - ConFMSVehicleTableTruck
- Group By
 - Having
 - Order By
 - ConFMSVehServiceTable.NextServiceDate

Tr00002

Status: Unavailable

Vehicle group:

Registration: VH 43237

Next service date:

[More](#)

Vehicle information

TR00001

Status: Acquired

Vehicle group:

Registration: VH 43236

Next service date: 12/1/2006

[More](#)

[Appointment scheduling](#)

- Design(usr) [ConFleetManagement]
 - [Group:TopGroup](usr) [ConFleetManagement]
 - Methods
 - [Group:Identification](usr) [ConFleetManagement]
 - Methods
 - StringEdit:Identification_VehicleId
 - StringEdit:Identification_Name
 - StringEdit:Identification_VehRegNo
 - [Group:Details](usr) [ConFleetManagement]
 - Methods
 - StringEdit:Details_VehicleSchedId
 - ComboBox:Details_VehicleTypeId
 - StringEdit:Details_VehicleGroupId
 - ComboBox:Details_VehicleStatusId
 - [Grid:Grid](usr) [ConFleetManagement]

[Grid:Grid](usr) [ConFleetManagement]

- + Methods
- + [abl] StringEdit:ConFMSVehServiceTable_ServiceId(usr)
- + [12:] DateEdit:ConFMSVehServiceTable_ServiceDate(usr)
- + [12:] DateEdit:ConFMSVehServiceTable_NextServiceDate(usr)
- + [2:] IntEdit:ConFMSVehServiceTable_NextServiceOdo(usr)
- [abl] [ReferenceGroup:ConFMSVehServiceTable_HcmWorkerRecId](usr)
 - + Methods
 - + [abl] StringEdit:ConFMSVehServiceTable_HcmWorkerRecId_DirPerson_FK_Name
 - + [abl] StringEdit:ConFMSVehServiceTable_HcmWorkerRecId_PersonnelNumber

Vehicle details

Identification		Details		
Vehicle Id:	V0001	Service schedule:		
Name:	Vehicle 1	Vehicle type:	Base	
Registration:		Vehicle group:	Fleet	
		Status:	Created	
		Supplier account:		

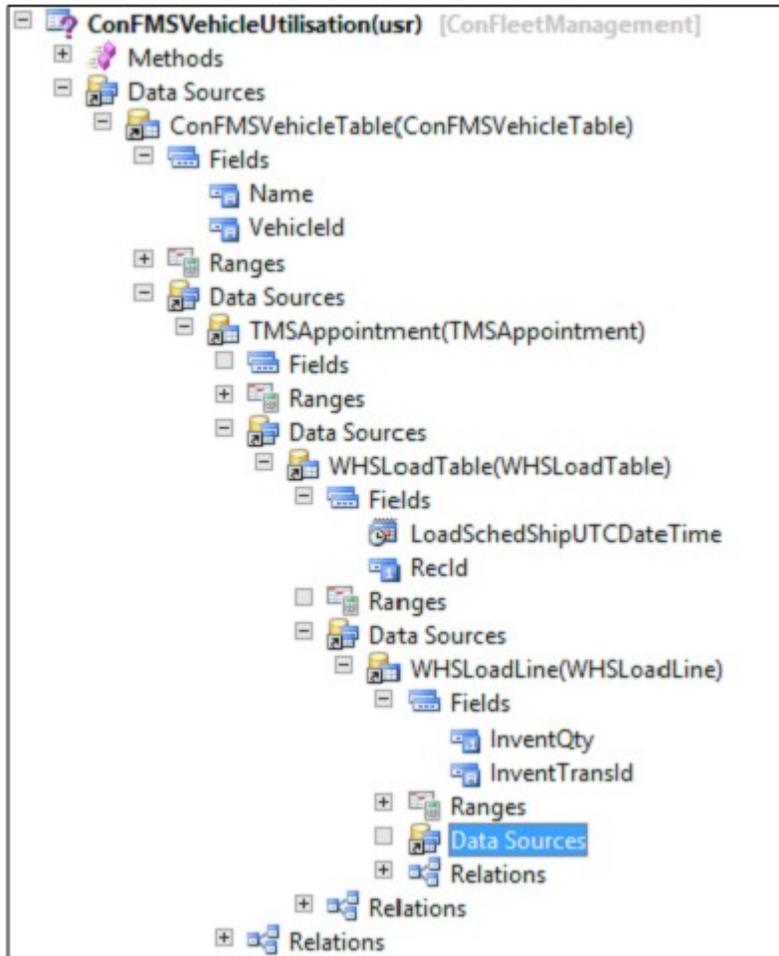
Service Id	Service date	Next service date	Next service odometer	Worker
S002	8/17/2014	8/17/2014	2022	Isabelle Scremla 000..

File Home
 Edit Delete
 Maintain
 Current record

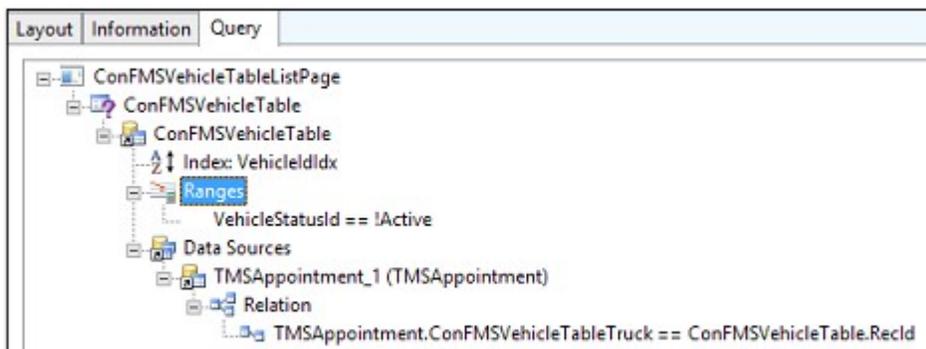
General
Identification
 Service Id: S002 Next service date: 8/17/2014
 Vehicle Id: V0001 Next service odometer: 2022

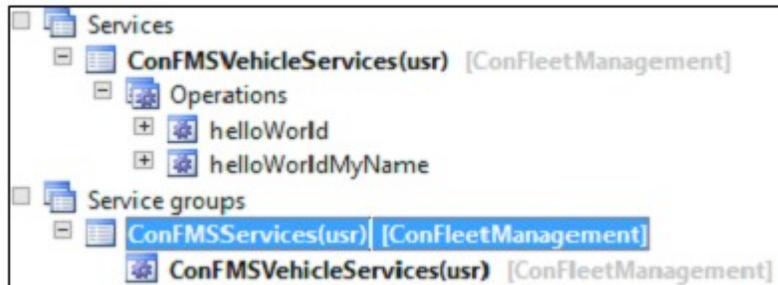
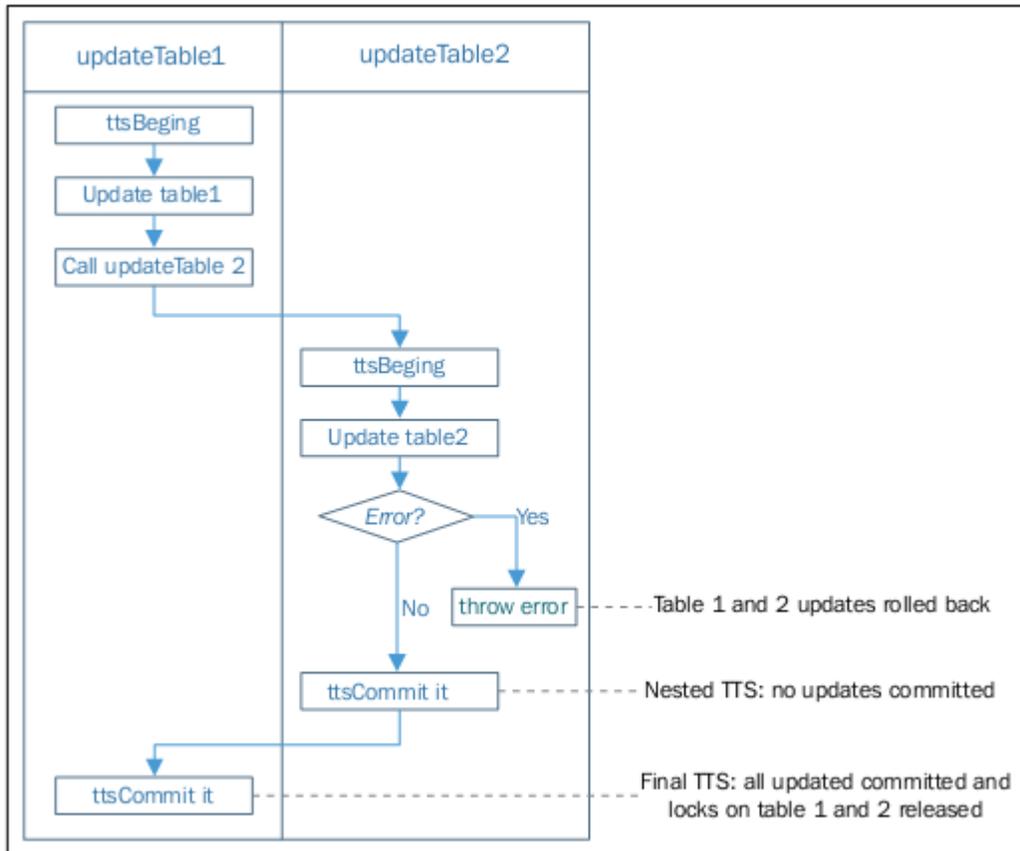
Related information

- [Open quotations \(0\)](#)
- [Open sales orders \(2\)](#)
- [Open customer invoices \(1\) \\$356,969.82](#)
- [Open return orders \(0\)](#)



Chapter 6: Extending the Solution





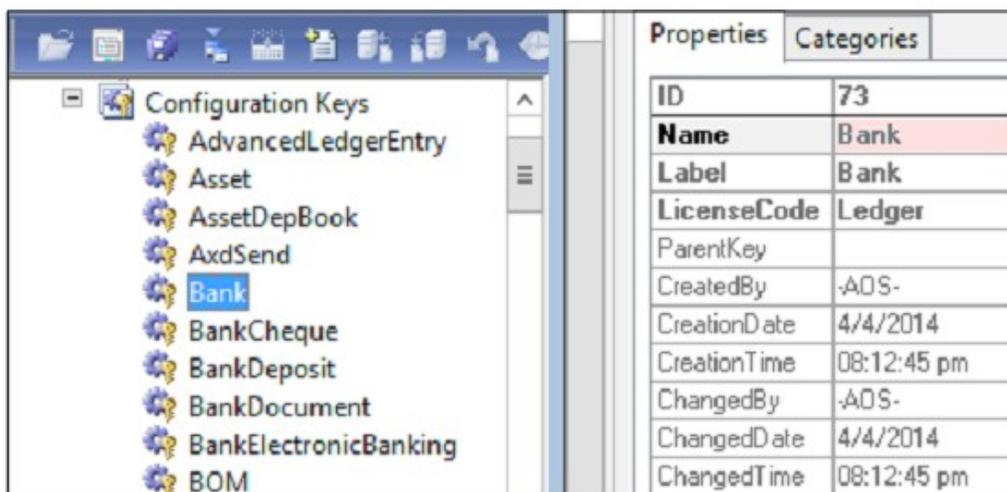
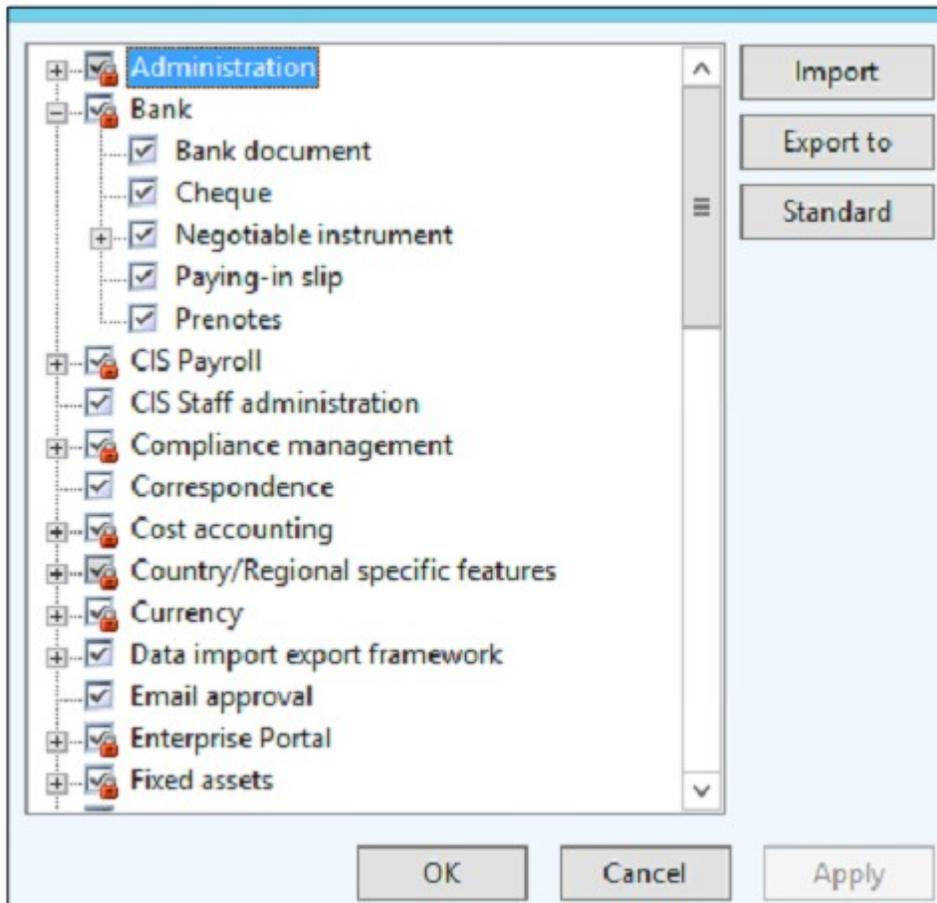
Port name:	ConFMSServices
Description:	
Category:	Basic <i>Developer defined service group</i>
Address	
Adapter:	NetTcp <input type="button" value="Configure"/>
URI:	net.tcp://AOS_SERVICE_HOST/DynamicsAx/Services/ConFMSServices
WSDL URI:	http://AX2012R2A:8101/DynamicsAx/Services/ConFMSServices

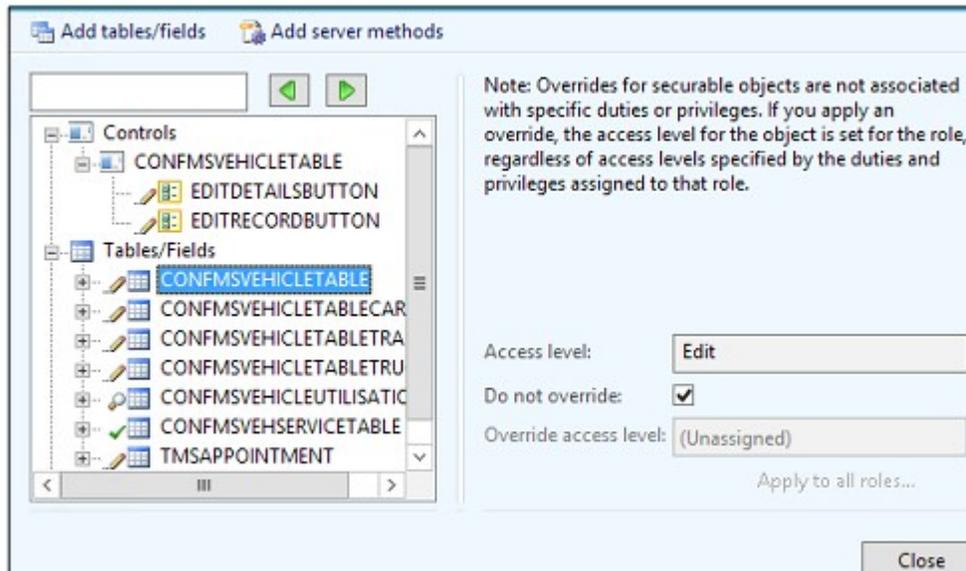
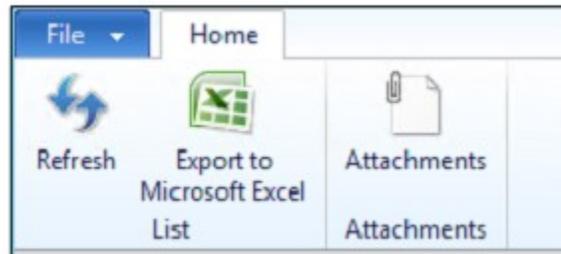
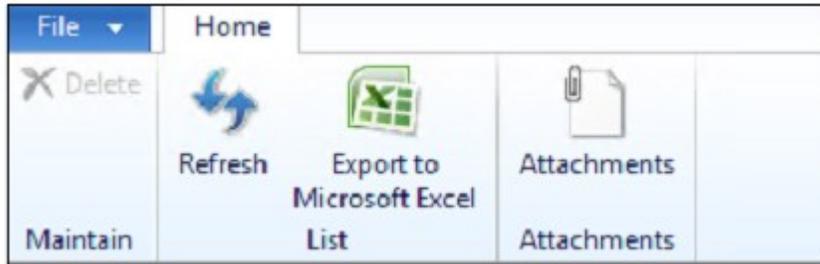
```
file:///c:/users/administrator/docu
Hello world
Hello world my name is Tyler
Hello world my name is Isabella
```

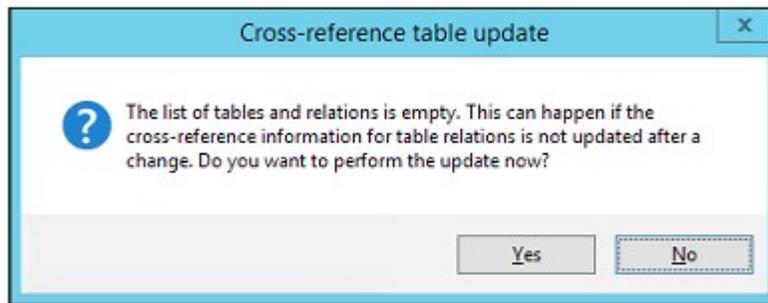
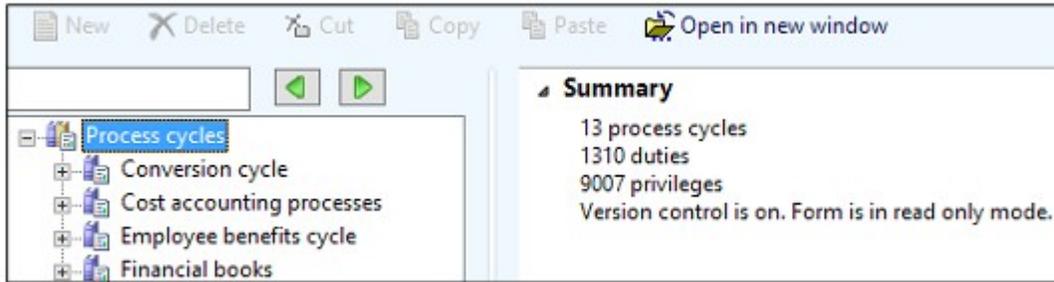
```
file:///c:/users/administrator/documents/visual studio
Should work
OK
Vehicle Id should be invalid
Vehicle 1LB001 does not exist
Vehicle group should be invalid
Vehicle group TLB001 does not exist
```

```
file:///C:/Users/Administrator/documents/visual stu...
Vehicle Group: I-Artic <Own fleet - Articulated truck>
Vehicle Group: I-Car <Own fleet - Car>
Vehicle Group: I-Van <Own fleet - Van>
```

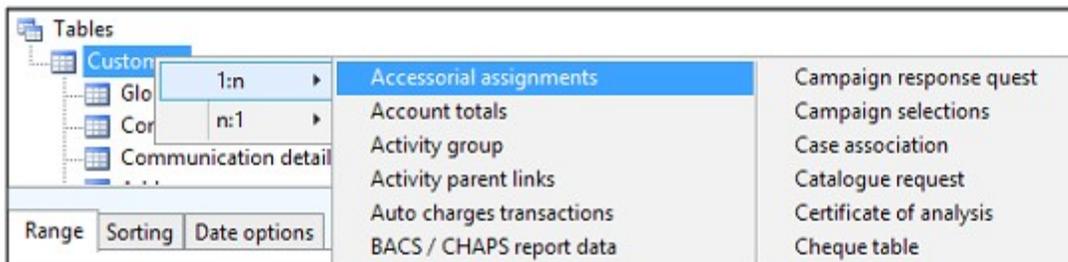
Chapter 7: Designing Your Security Model





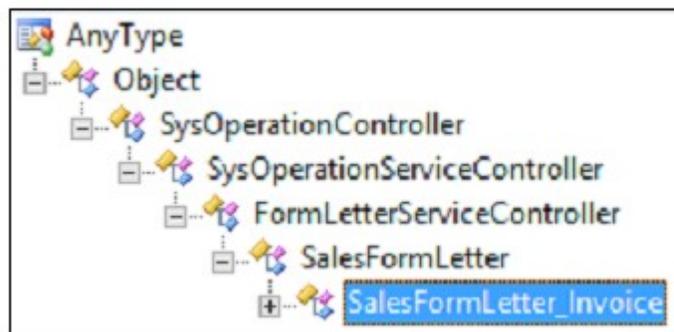
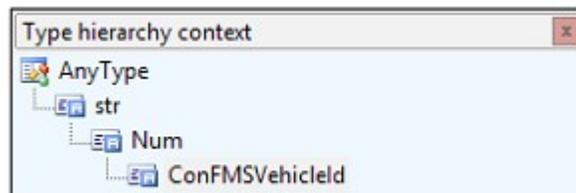
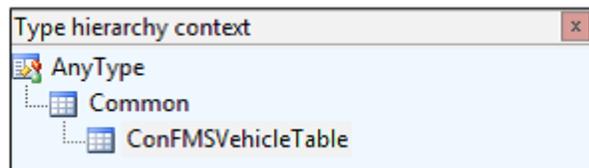


Chapter 8: Customizing Standard AX



Application object type:		Application object name:	Type name:	
TableField		VehicleGroupId	ConFMSVehicleTable	
<input type="checkbox"/>	Reference	Path	Line	Column
<input checked="" type="checkbox"/>	Read	\Data Dictionary\Tables\ConFMSVehicleTable\Field Groups\Details\Ve...		
<input type="checkbox"/>	Read	\Data Dictionary\Tables\ConFMSVehicleTable\Field Groups\Overview\...		
<input type="checkbox"/>	Read	\Data Dictionary\Tables\ConFMSVehicleTable\Relations\ConFMSVehic...		

Application object type:		Application object name:	Type name:	
TableField		VehicleGroupId	ConFMSVehicleTable	
<input type="checkbox"/>	Reference	Path	Line	Column
<input checked="" type="checkbox"/>	Read	\Data Dictionary\Tables\ConFMSVehicleTable\Field Groups\Details\Ve...		
<input type="checkbox"/>	Read	\Data Dictionary\Tables\ConFMSVehicleTable\Field Groups\Overview\...		
<input type="checkbox"/>	Read	\Data Dictionary\Tables\ConFMSVehicleTable\Relations\ConFMSVehic...		
<input type="checkbox"/>	Write	\Classes\ConFMSVehicleGroupChange\updateVehicle	7	17



\Classes\SalesFormLetter_Invoice

Methods	SalesFormLetter_Invoice	SalesFormLetter	FormLetterServiceController	SysOperationServiceController	SysOperationController	Object
afterOperation						
afterOperationBody						
afterOperationEnd						
afterOperationPrint						
allowEmptyTable						
asyncCallbackReturnValue						
asyncCallbackVoid						
asyncWaitForBatchCompletion						
batchAsyncCallback						
batchInfo						
beforeOperation						
callBuilderMethod						
callContractInterfaceMethod						
cancelTimeOut						
canGoBatch						

System name:	Identification_AccountNum VendTable (VendTable).AccountNum
--------------	--

Add category
 Expire category
 Maintain versions

Category hierarchy	Category	Supplier category status	Effective	Expiration
Procurement categ...	▼	Approved	10/18/...	Never
Procurement categ...				

Filter:

- OFFICE MACHINES
- PAYROLL
- RENT
- UTILITIES
- VEHICLES
 - Cars
 - Tractors

Message (02:37:42 am)

- CORP PROCUREMENT CATEGORIES
- VEHICLES

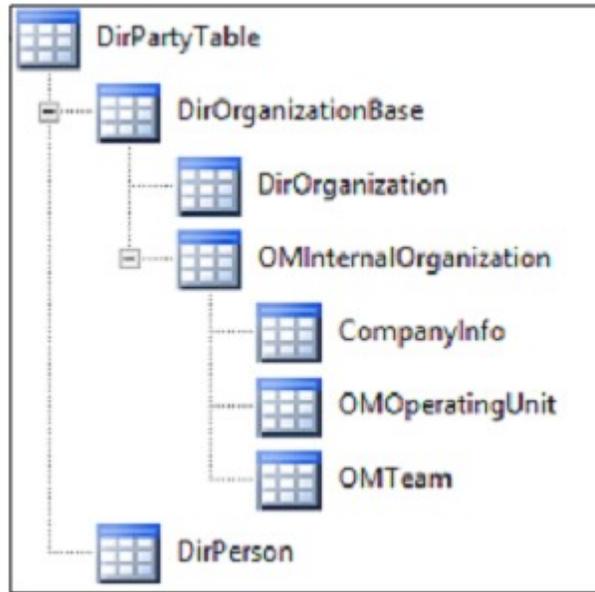
Event Handler Subscription ConfMSInitFromVendTable

Properties		Categories
Name	ConfMSInitFromVendTable	
CalledWhen	Post	
EventHandlerType	X++	
Class	ConfMSPurchVehicleOrderHandler	
Method	InitFromVendTableEventHandler	
ADTlink	\\Classes\ConfMSPurchVehicleOrderHandler\InitFromVer	
Model	ConfFleetManagement	

Event Handler Subscription ConFMSValidateField	
Properties	Categories
Name	ConFMSValidateField
CalledWhen	Post
EventHandlerType	X++
Class	ConFMSPurchVehicleOrderHandler
Method	validateFieldEventHandler
AOTlink	\Classes\ConFMSPurchVehicleOrderHandler\validateFieldEventHandler
Model	ConFleetManagement

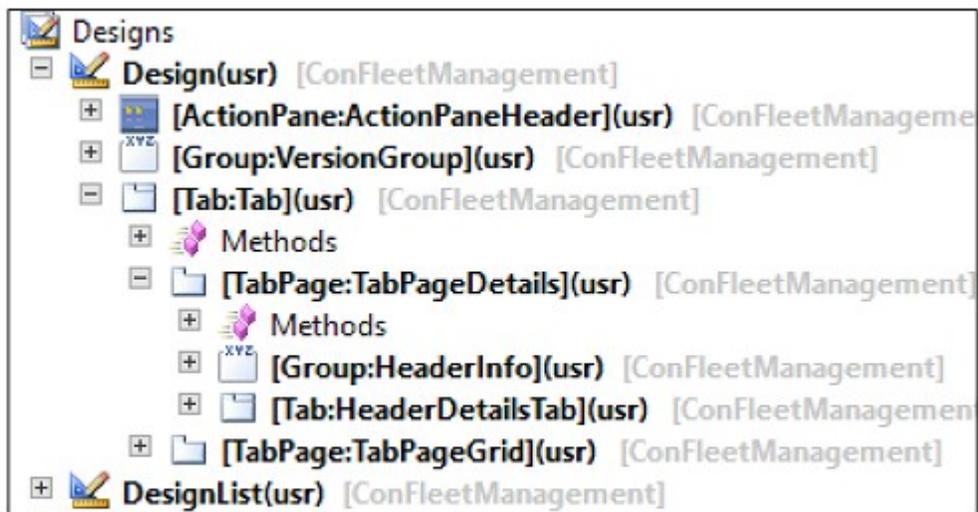
Export	Return	Remittance						
<table border="0"> <thead> <tr> <th>Selected</th> <th></th> <th>Available</th> </tr> </thead> <tbody> <tr> <td> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Cheque <input checked="" type="checkbox"/> Format 1 (Test) <input checked="" type="checkbox"/> My bank format <input checked="" type="checkbox"/> Payroll check payment <input checked="" type="checkbox"/> Payroll electronic NACHA </td> <td style="text-align: center; vertical-align: middle;"> <input type="button" value=" <"/> <input type="button" value=" >"/> </td> <td> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Jyske Bank, Netbank Erhverv (DK) <input checked="" type="checkbox"/> KaSel 5.26 (DK) <input checked="" type="checkbox"/> LM02 (FI) <input checked="" type="checkbox"/> Local payment transfer (LT) <input checked="" type="checkbox"/> LUM2 (FI) <input checked="" type="checkbox"/> MCash (HU) <input checked="" type="checkbox"/> NAB Direct Credit Service (AU) <input checked="" type="checkbox"/> NACHA (US) </td> </tr> </tbody> </table>			Selected		Available	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Cheque <input checked="" type="checkbox"/> Format 1 (Test) <input checked="" type="checkbox"/> My bank format <input checked="" type="checkbox"/> Payroll check payment <input checked="" type="checkbox"/> Payroll electronic NACHA 	<input type="button" value=" <"/> <input type="button" value=" >"/>	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Jyske Bank, Netbank Erhverv (DK) <input checked="" type="checkbox"/> KaSel 5.26 (DK) <input checked="" type="checkbox"/> LM02 (FI) <input checked="" type="checkbox"/> Local payment transfer (LT) <input checked="" type="checkbox"/> LUM2 (FI) <input checked="" type="checkbox"/> MCash (HU) <input checked="" type="checkbox"/> NAB Direct Credit Service (AU) <input checked="" type="checkbox"/> NACHA (US)
Selected		Available						
<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Cheque <input checked="" type="checkbox"/> Format 1 (Test) <input checked="" type="checkbox"/> My bank format <input checked="" type="checkbox"/> Payroll check payment <input checked="" type="checkbox"/> Payroll electronic NACHA 	<input type="button" value=" <"/> <input type="button" value=" >"/>	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Jyske Bank, Netbank Erhverv (DK) <input checked="" type="checkbox"/> KaSel 5.26 (DK) <input checked="" type="checkbox"/> LM02 (FI) <input checked="" type="checkbox"/> Local payment transfer (LT) <input checked="" type="checkbox"/> LUM2 (FI) <input checked="" type="checkbox"/> MCash (HU) <input checked="" type="checkbox"/> NAB Direct Credit Service (AU) <input checked="" type="checkbox"/> NACHA (US) 						

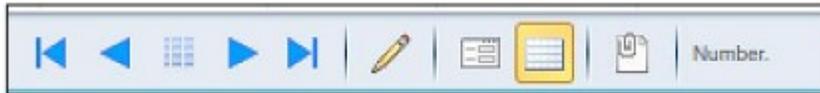
Chapter 9: Advanced Features and Frameworks



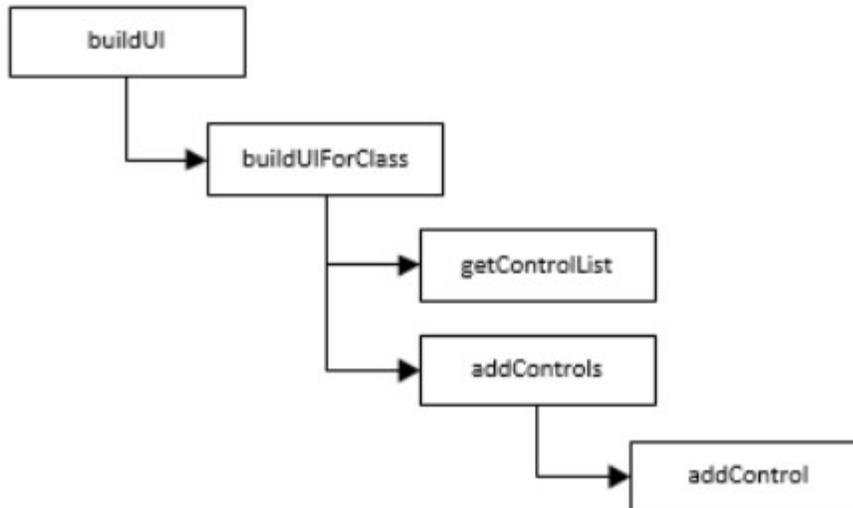
Chapter 10: Advanced Development Techniques

	Curr...	HcmWorker...	NextServiceD...	Next...	ServiceDate	ServiceId	ValidFrom	ValidTo
	1301	0	8/17/2014	1900	8/17/2014	S001	1/3/2015 09:17:27 am	Never
	1300	0	8/17/2014	1900	8/17/2014	S001	1/3/2015 09:17:26 am	





Display the record as at: Display all records:



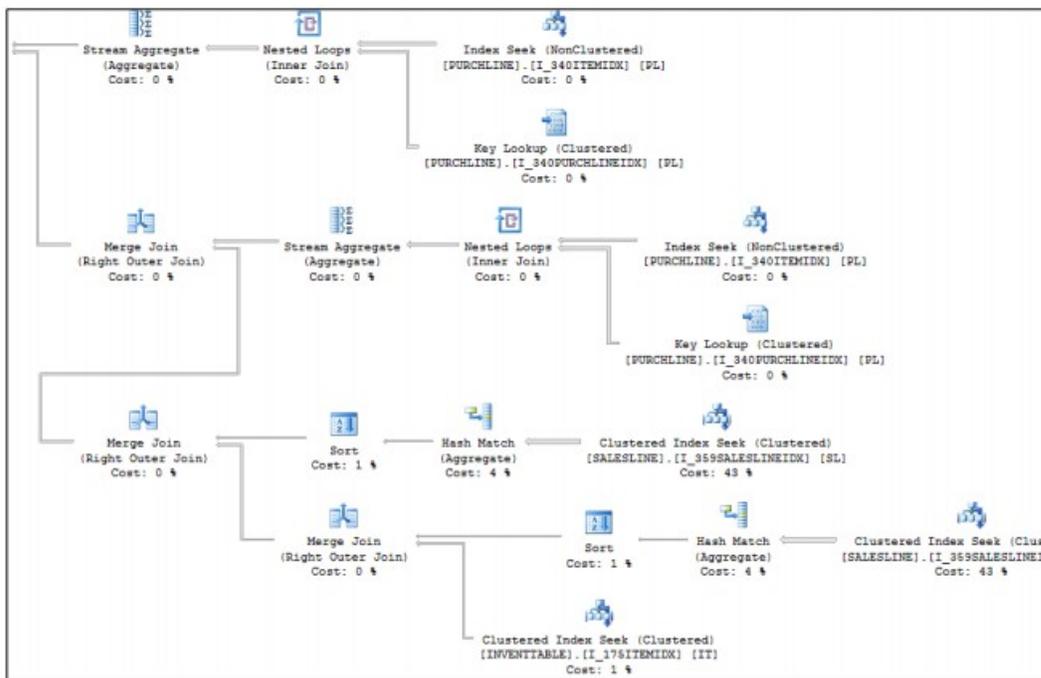
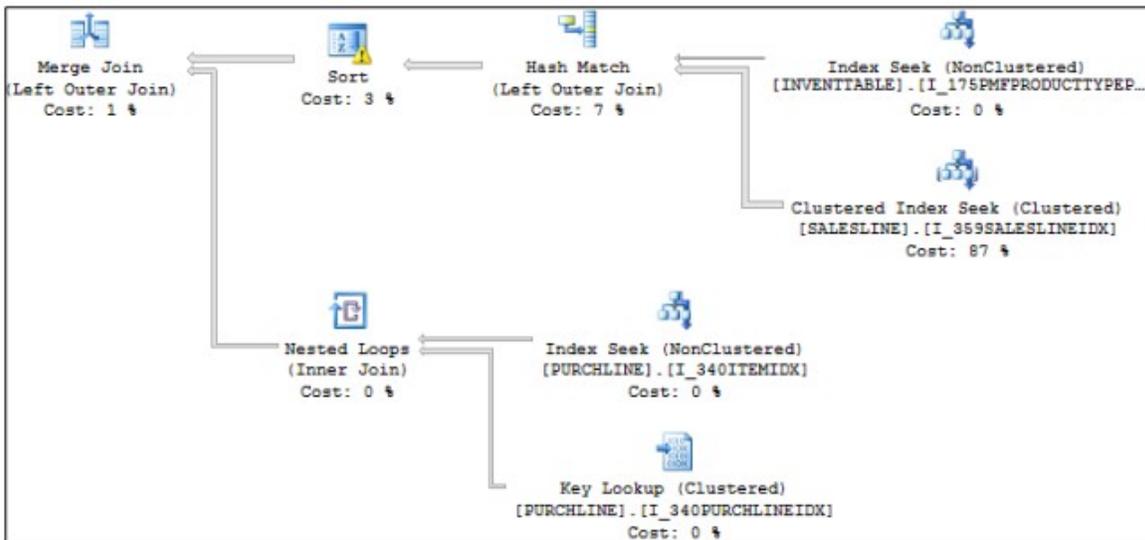
One or more critical STOP errors have occurred.

Message (05:35:00 am)

- Confusing technical error.
- Not all controls were added.

Select SalesId from otherView

SELECT Cost: 0 %	Hash Match (Aggregate) Cost: 66 %	Index Scan (NonClustered) [SALESLINE].[I_359RECID] Cost: 34 %
----------------------------	--------------------------------------	---



Chapter 11: Unit and Performance Testing

Context: \Classes\ConFMSAppointmentVehicleHandler\tmsAppointmentModifiedFieldEventHar

Name	Value	Type
_args	Class XppPre...	XppPrePostArgs
appointment	<recid = 0>	TMSAppointment
fieldId	0	int

Test:

SystemTestListener

- SysTestListenerInfolog
 - ConFMSVehicleTestProject
 - TestSuite
 - ConFMSVehicleUtilisationTest
 - testTotalItems: [ConFMSVehicleUtilisationTest.testTotalItems] Failure: Testing vehicle TR00001 (Expected: 11.00; Actual: 10.00)

[ConFMSVehicleUtilisationTest.testTotalItems] Failure: Testing vehicle TR00001 (Expected: 11.00; Actual: 10.00)

ConFMSVehicleTestProject(usr) [ConFleetManagement]

- TestSuite
 - ConFMSVehicleUtilisationTest(usr) [ConFleetManagement]
 - setUp(usr) [ConFleetManagement]
 - testTotalItems(usr) [ConFleetManagement]
 - classDeclaration(usr) [ConFleetManagement]

ConFMSVehicleTestProject(usr) [ConFleetManagement]

- TestSuite
 - ConFMSVehServiceTableTest(usr) [ConFleetManagement]
 - useSingleInstance(usr) [ConFleetManagement]
 - testValidateField(usr) [ConFleetManagement]
 - testModify(usr) [ConFleetManagement] An unknown exception caught! (Actual: Class ConFMSVehServiceTableTest does not have a testValidateField method, or the method has compile errors.)
 - testInsert(usr) [ConFleetManagement]
 - testInitFromConFMSVehicleTable(usr) [ConFleetManagement]
 - createTestSetupData(usr) [ConFleetManagement]
 - setUp(usr) [ConFleetManagement]
 - createSuite(usr) [ConFleetManagement]

Overview		General				Coverage
Description	Code coverage	Time in milliseconds	Records	Status	Records (a)	
ConFMSVehServiceTableTest	42.55	134501	4204	Passed		

Overview		General				Infolog
Method name	Code coverage	Time in milliseconds	Records	Status	Coverage	Log
testInitFromConFMSVehicleTable	8.51	3250	204	Passed		
testInsert	21.28	35813	4000	Passed		
testModifiedField	14.89	39906	0	Passed		
testValidateField	27.66	55532	0	Passed		

Name & location Compare

\Data Dictionary\Tables\ConFMSVehServiceTable (Not Covered)
 🔍

\Data Dictionary\Tables\ConFMSVehServiceTable (Covered)
 🔍

Code coverage:	80.00%
Coverage line count:	4
Actual line count:	5
[1] public void initFromConFMSVehicleTable(ConFMSVehicl	
[2] {	
[3] // is the parameter default; ie. no vehicle	
[4] if(prmisDefault(_table))	
[5] {	
[6] // no initialisation is required as	
[7] // we are only setting the id	
[8] // so simply return	
[9] return;	
[10] // should we require more fields to be	
[11] // set the following code is required	

Register database

Data source:
 Microsoft SQL Server (SqlClient) Change...

Server name:
 ZEUS Refresh

Log on to the server

Use Windows Authentication
 Use SQL Server Authentication

User name:
 Password:
 Save my password

Connect to a database

Select or enter a database name:
 MyTraceDatabase ▼

Attach a database file:
 Browse...

Logical name:

Advanced...

Register Cancel

Trace options

Collect server trace:
 Circular logging:
 Maximum file size (MB):

Event selection

X++ events	SQL events	Info. events
Xpp: <input checked="" type="checkbox"/>	SQL: <input checked="" type="checkbox"/>	Trace info: <input checked="" type="checkbox"/>
Xpp markers: <input checked="" type="checkbox"/>	TTS: <input checked="" type="checkbox"/>	RPC: <input checked="" type="checkbox"/>
Xpp parameters: <input checked="" type="checkbox"/>	Detailed database: <input checked="" type="checkbox"/>	Client access: <input type="checkbox"/>
	Bind parameters: <input checked="" type="checkbox"/>	

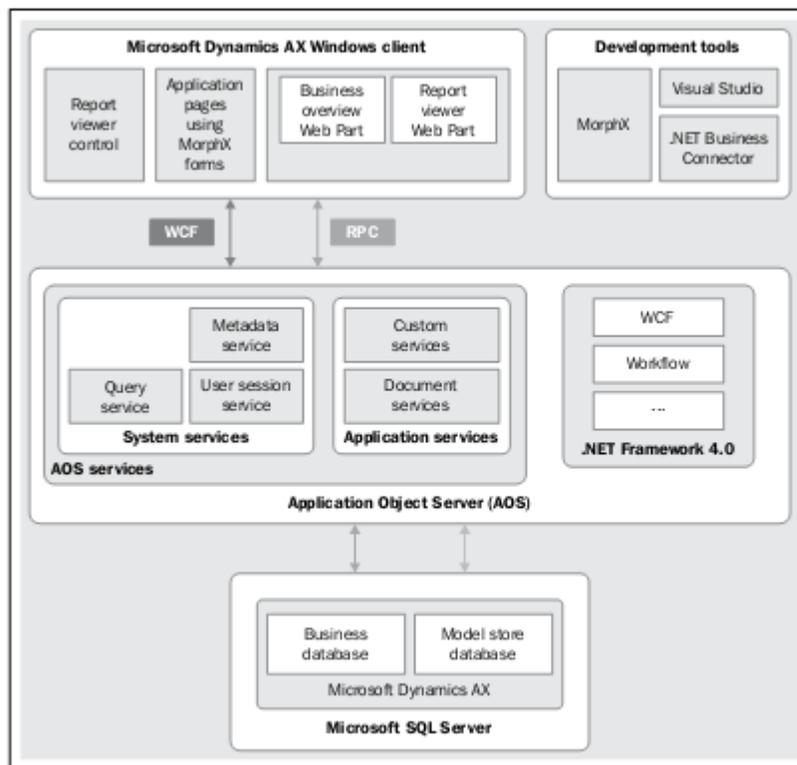
Session: Ax32Serv.exe (220): Session 6 - Admin

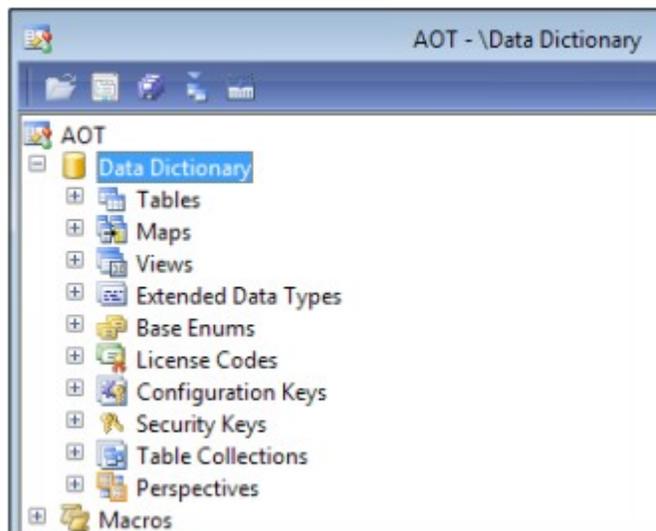
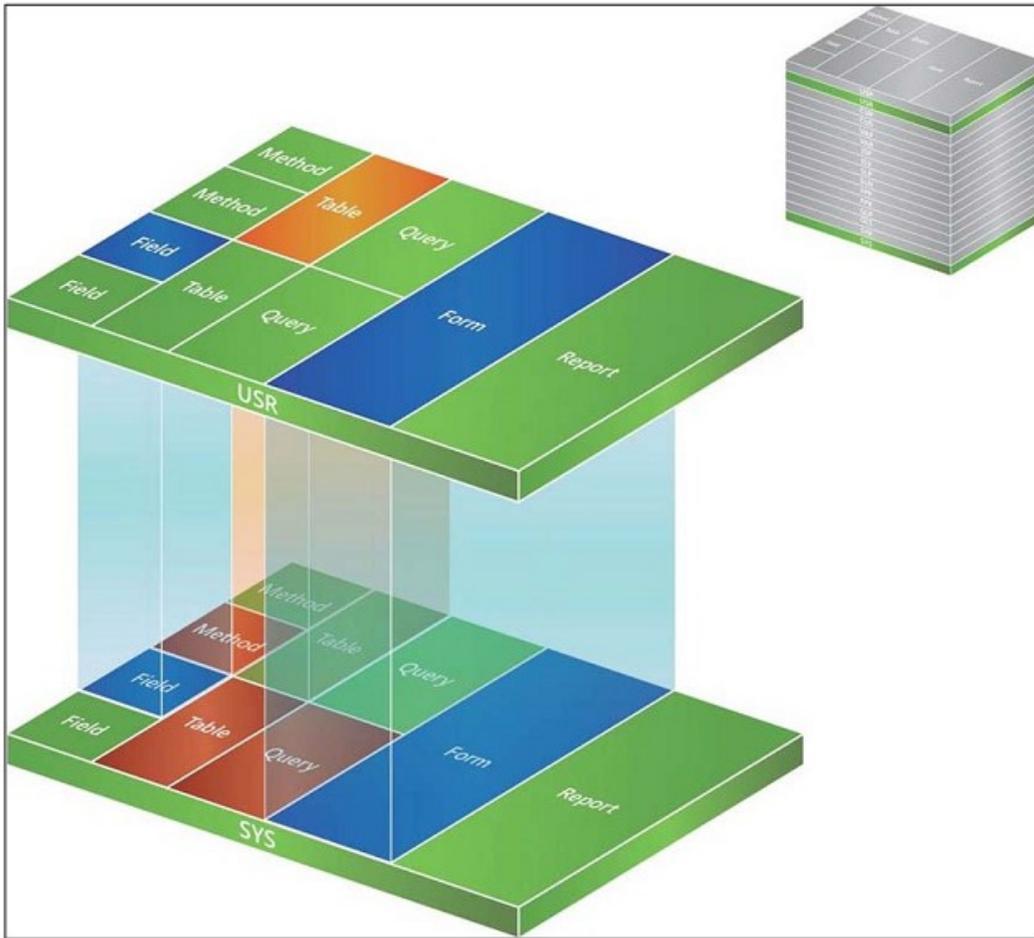
Overview Call Tree X++/RPC SQL

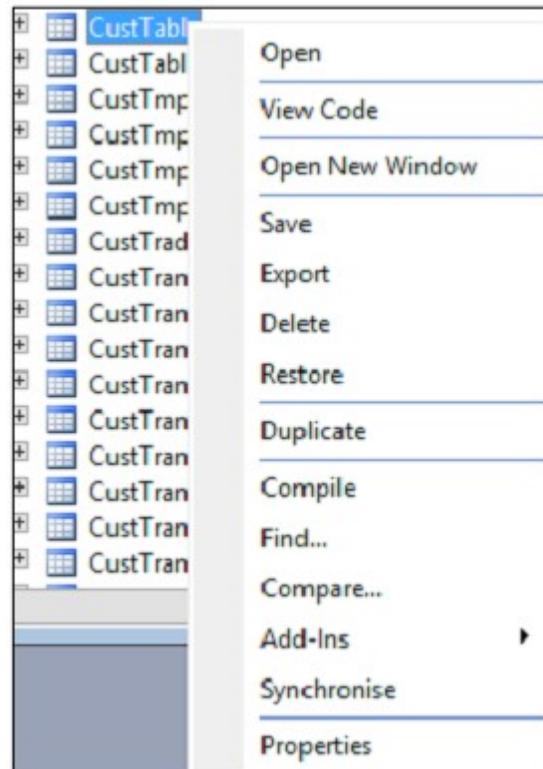
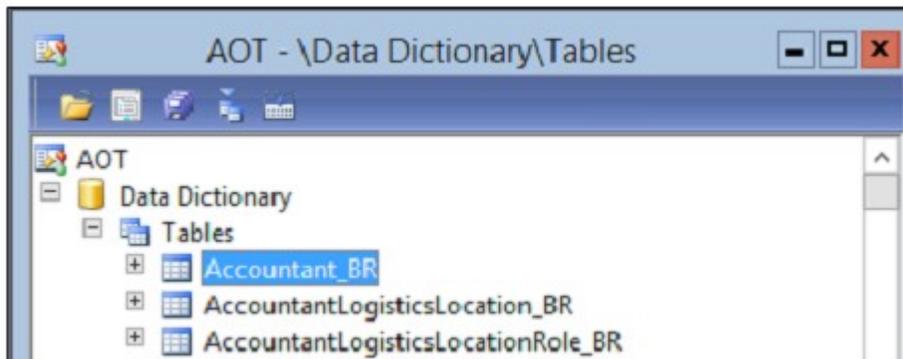
Color by Inclusive Filter Find Auto Size

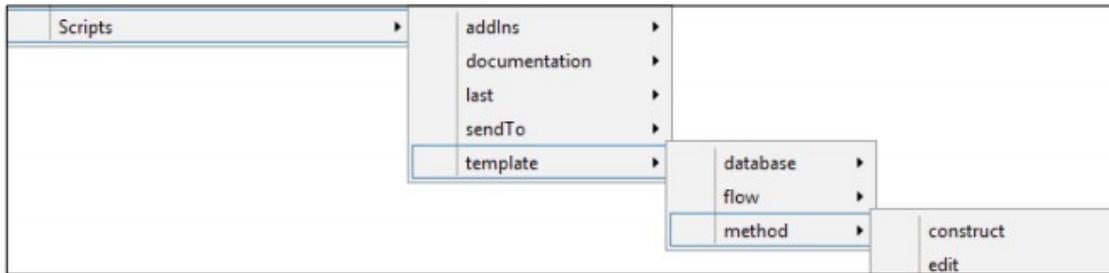
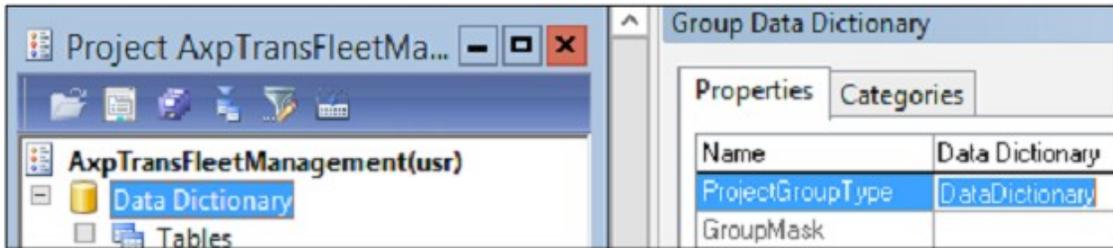
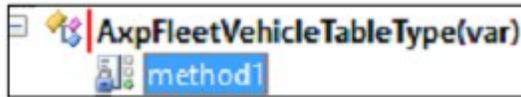
Call Stack	Inclusive (ms)	Exclusive (ms)	RPC Calls	Database Calls	Database Time (ms)
Info::new	0.15	0.06	0	0	0.00
xInfo::new	0.01	0.01	0	0	0.00
Info::emptyTmpInfolog	0.00	0.00	0	0	0.00
xSession::new	0.01	0.01	0	0	0.00
xSession::ClientKind	0.01	0.01	0	0	0.00
ProfileManager::construct	0.06	0.00	0	0	0.00
ProfileManager::new	0.06	0.00	0	0	0.00
Global::extendedTyped2Type	0.06	0.02	0	0	0.00
xClassFactory::new	0.01	0.01	0	0	0.00

Appendix A: Efficient Design and Development with Microsoft Dynamics AX









Appendix B: Using Version Control

Add model to version control

All elements in the current model are added to version control. This can be a time consuming process depending on the number of elements.

Check-in description:

Model ID:

Model repository folder:

Synchronisation log - Synchronisation: 33, \Services\ConFMSVehicleServices

Overview

Path	Command	Synchronisation	Com...
\Services\ConFMSVehicleServices	Update	33	<input checked="" type="checkbox"/>
\Service Groups\ConFMSServices	Update	33	<input checked="" type="checkbox"/>
\Security\Roles\ConFMSFleetManagementSuper...	Update	33	<input checked="" type="checkbox"/>
\Security\Roles\ConFMSFleetManagementServi...	Update	33	<input checked="" type="checkbox"/>
\Security\Roles\ConFMSFleetManagementClerk	Update	33	<input checked="" type="checkbox"/>

Process
Clean up log
Clean all

Appendix C: Code Editor Script

addIns	▶							
documentation	▶							
last	▶							
sendTo	▶							
template	▶	<table border="1"> <tbody> <tr> <td>database</td> <td>▶</td> </tr> <tr> <td>flow</td> <td>▶</td> </tr> <tr> <td>method</td> <td>▶</td> </tr> </tbody> </table>	database	▶	flow	▶	method	▶
database	▶							
flow	▶							
method	▶							
construct								
edit								
editWithClass								
main								
parm								
test								

	last_classHeader
	last_comment
	last_functionHeader
	sendTo_file
	sendTo_mailRecipient
	template_database_whileSelect
	template_flow_do
	template_flow_else
	template_flow_for
	template_flow_if
	template_flow_ifElse
	template_flow_switch
	template_flow_try
	template_flow_while
	template_method_construct
	template_method_edit
	template_method_editWithClass