

Migrieren von CA 2E nach CA Plex oder erweitern der existierenden 2E Applikationen mit modernen web-basierten Applikationen



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Migrieren von CA 2E nach CA Plex...

Warum migrieren ? (Migration bedeutet, sich richtig aufzustellen!)

- State-of-the-art Technologie für neue Geschäftsanforderungen bereitstellen
- Reduzieren von Wartungsaufwendungen
- Abhängigkeit von Lieferanten vermeiden
(no one supplier can **S**olve **A**ll **P**roblems)
- Stabilität beibehalten und gleichzeitig Flexibilität steigern
- Transparenz erhöhen
- Erleichtern von Refactoring
- Dem Trend folgen (Mode)



Migrieren von CA 2E nach CA Plex...

Warum nicht migrieren ?

- Kosten
- Gleichgültigkeit
- Komplexität
- Viel Arbeit, scheinbar ohne Vorteil
- Angst !
- Keine Notwendigkeit ?

Migrieren von CA 2E nach CA Plex...

Mögliche Ansatzpunkte zur Migration

- Sich klar sein über die Ziele
- Aufräumen und vorbereiten
- Möglichkeit des Refactoring betrachten
- Evolution oder Revolution
- Die Basis (Model) vorbereiten
- Funktionale Migration
 - Ein “big bang”
 - Mehrere kleinere “bangs”
- Funktionale Erweiterungen

Migrieren von CA 2E nach CA Plex...

Was ist entscheidend bei einer Migration?

- Sie muss **schmerzlos** sein
- Beseitigung monotoner Tätigkeiten
- Beseitigung von Fehlerquellen
- Funktionalität bleibt unverändert
- Hohe Geschwindigkeit
- Strenge Einhaltung von Regeln
- Agile Bereitstellung migrierter Funktionalität

Automatisierung

Automatisierung ist essentiell

ohne Automatisierung...

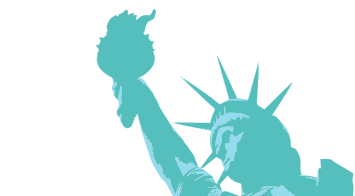
...wird man nicht migrieren und noch wichtiger,
man wird nicht in der Lage sein, es zu tun.



Migrieren von CA 2E nach CA Plex...

Agenda:

- Woher wir alle kommen...
- Die Produktivitäts-Suite für CA Plex
- Demo ...



Migrieren von CA 2E nach CA Plex...

Woher wir alle kommen:

```
Sitzung D - [24 x 80]
Datei Bearbeiten Ansicht Kommunikation Aktionen Fenster Hilfe
Host: DEGEN002 Port: 23 Workstation-ID: %+&USERN= Verbindung trennen

*PGMR TUTORMDL Op: SPARANOF SSPARANOF4 14.11.13 12:04:08
EDIT DATABASE RELATIONS Tutor-Modell
=> fm Rel lvl: DFN
? Typ Object Relation Seq Typ Referenced object
---
FIL fm_Address Defined as FIL fm_Address
---
FIL fm_AreaType Defined as FIL fm_AreaType
---
FIL fm_Building Defined as FIL fm_Building
---
FIL fm_Company Defined as FIL fm_Company
---
FIL fm_Country Defined as FIL fm_Country
---
FIL fm_Door Defined as FIL fm_Door
---
FIL fm_DoorType Defined as FIL fm_DoorType
---
FIL fm_Floor Defined as FIL fm_Floor
---
FIL fm_Object Defined as FIL fm_Object
---
FIL fm_ObjectType Defined as FIL fm_ObjectType
---
FIL fm_Person Defined as FIL fm_Person
---
FIL fm_RealEstate Defined as FIL fm_RealEstate
---
FIL fm_Room Defined as FIL fm_Room
---
FIL fm_State Defined as FIL fm_State
---
FIL fm_Unit Defined as FIL fm_Unit

Weitere ...
Z(n)=Details F=Functions E(n)=Entries S(n)=Select F23=More options
F3=Exit F5=Reload F6=Hide/Show F7=Fields F17=Services

MA D 05/002
1902 - Sitzung wurde erfolgreich gestartet. \\sv01es1\PE51146203 EIN Neo6:
```



Migrieren von CA 2E nach CA Plex...

Woher wir

```
Sitzung D - [24 x 80]
Datei Bearbeiten Ansicht Kommunikation Aktionen Fenster Hilfe
Host: DEGEN002 Port: 23

*PGMR TUTORMDL
EDIT DATABASE RELAT
=>   fm
? Typ Object
___  FIL fm_Address
___  FIL fm_Address
___  FIL fm_Address
___  FIL fm_Address
___  FIL fm_Address
___  FIL fm_Address
___  FIL fm_Address
___  FIL fm_Address
___  FIL fm_Address
___  FIL fm_Address
___  FIL fm_AreaType
___  FIL fm_AreaType
___  FIL fm_Building
___  FIL fm_Building
___  FIL fm_Building
___  FIL fm_Building
___  Z(n)=Details F=F
___  F3=Exit F5=Reloc

MA D
[1902 - Sitzung wurde erfolgreich gestartet.]
```

Model Editor - Diagram: *, ...

fm_Address is a ENT RelationalTable

Entity	<All>	Entity
fm_Address	is a	STORAGE/RelationalTable
	known by	tcApp/tcBusinessBaseOhneStd
	has	AddressID
	...optionality	Optional
	has	City
	...optionality	Optional
	has	Street
	...optionality	Optional
	has	Postbox
	...optionality	Optional
	has	Postbox_Postcode
	...optionality	Optional
	has	Comment
	...optionality	Optional
	refers to	fm_State
	...optionality	Optional
	...virtual	CountryName
		CountryCodeISO
		State
		StateCode
	message	Tools4Plex
fm_Area_Type	is a	STORAGE/RelationalTable
	known by	tcApp/tcBusinessBaseOhneStd
	has	AreaTypeID
	...optionality	Optional
	has	AreaType
	...optionality	Optional
	message	Tools4Plex
fm_Building	is a	STORAGE/RelationalTable

Object Browser

- fm_Address
 - BusinessBaseFunctions
 - BusinessExtraFunctions
 - Tools4Plex
 - Physical table
- Fetch
- FindBrowse
- Update
- fm_Area_Type
 - BusinessBaseFunctions
 - BusinessExtraFunctions
 - Tools4Plex
 - Physical table
- Fetch
- FindBrowse
- Update
- fm_Building
- fm_Company
- fm_Country
- fm_Door
- fm_Floor
- fm_Object
- fm_Object_Type
- fm_Person
- fm_Real_Estate
- fm_Room
- fm_Rooms_and_Doors
- fm_State
- fm_Unit

Ready. Messages:0 3234 Triples NUM

Migrieren von CA 2E nach CA Plex...

Ein Beispiel in Zahlen

Textilindustrie - ERP/PPS System erstellt mit CA 2E (Synon) auf iSeries

- 500 Entitäten
- 8.500 Felder
- mit 14.400 Labels
- 215.500 Values (incl. geerbten Values)
- 5.400 Attribute
- 18.500 ImplNames & FileNames (autonaming aktiv?)
- 400 Qualifier
- 490 Physische Tabellen
- 1.570 Logische Sichten
- = 85.000 Objekt Definitionen



An example in numbers...

Ein Beispiel in Zahlen

Textilindustrie - ERP/PPS System erstellt mit CA 2E (Synon)

= 85.000 Objekt Definitionen / Triples / usw...

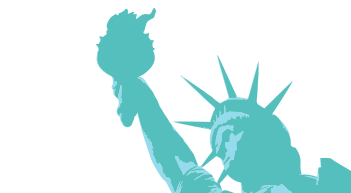
+ Korrektur von Fehlern

+ Qualitätskontrolle

= was denken Sie, wie lange das dauert?

Mit der Tools4Plex-Suite weniger als 1 Tag!

Ohne die Definitionen innerhalb des Tools, die für die Beschreibung der Namensregeln, DatenTyp-Mapping etc. notwendig sind. Hierfür kommen weitere 2-3 Tage dazu.



Migrieren von CA 2E nach CA Plex...

Agenda:

- Woher wir alle kommen...
- Die Produktivitäts-Suite für CA Plex
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Migrieren von CA 2E nach CA Plex...

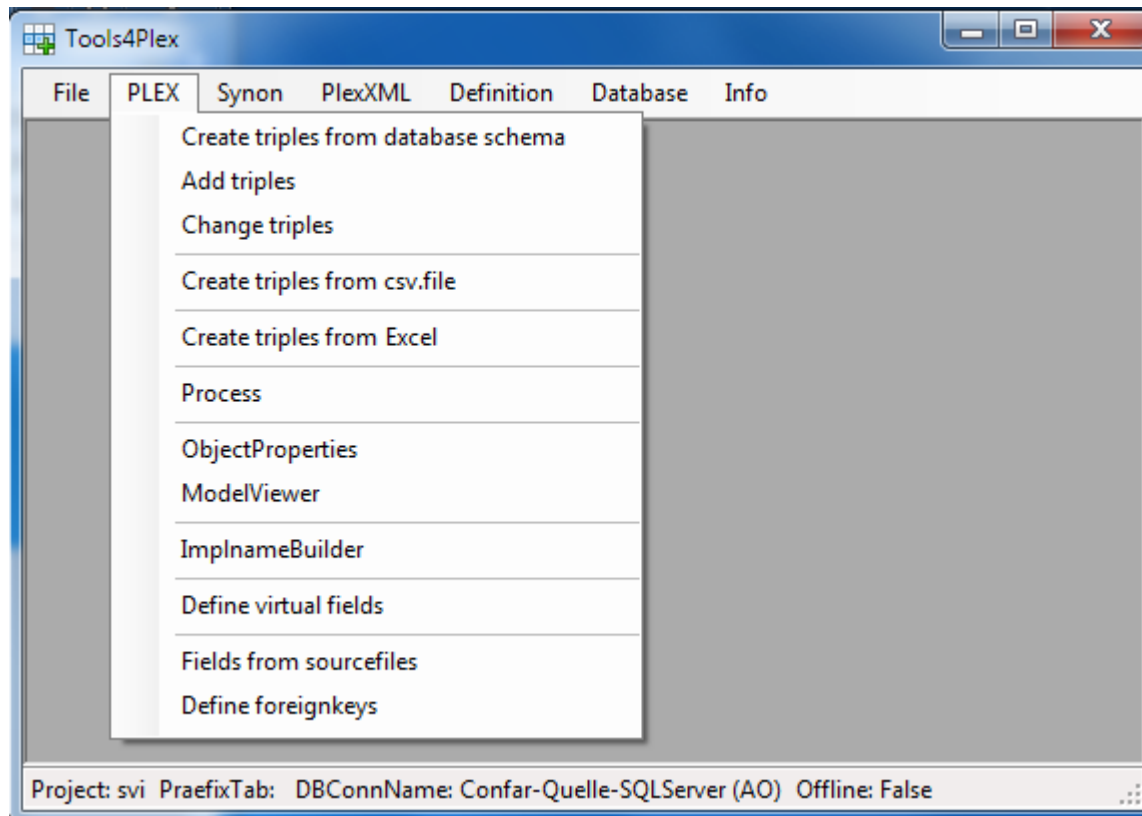
Automatisierung ist genau hier



DEMO

Migrieren von CA 2E nach CA Plex...

Die Produktivitäts-Suite für CA Plex

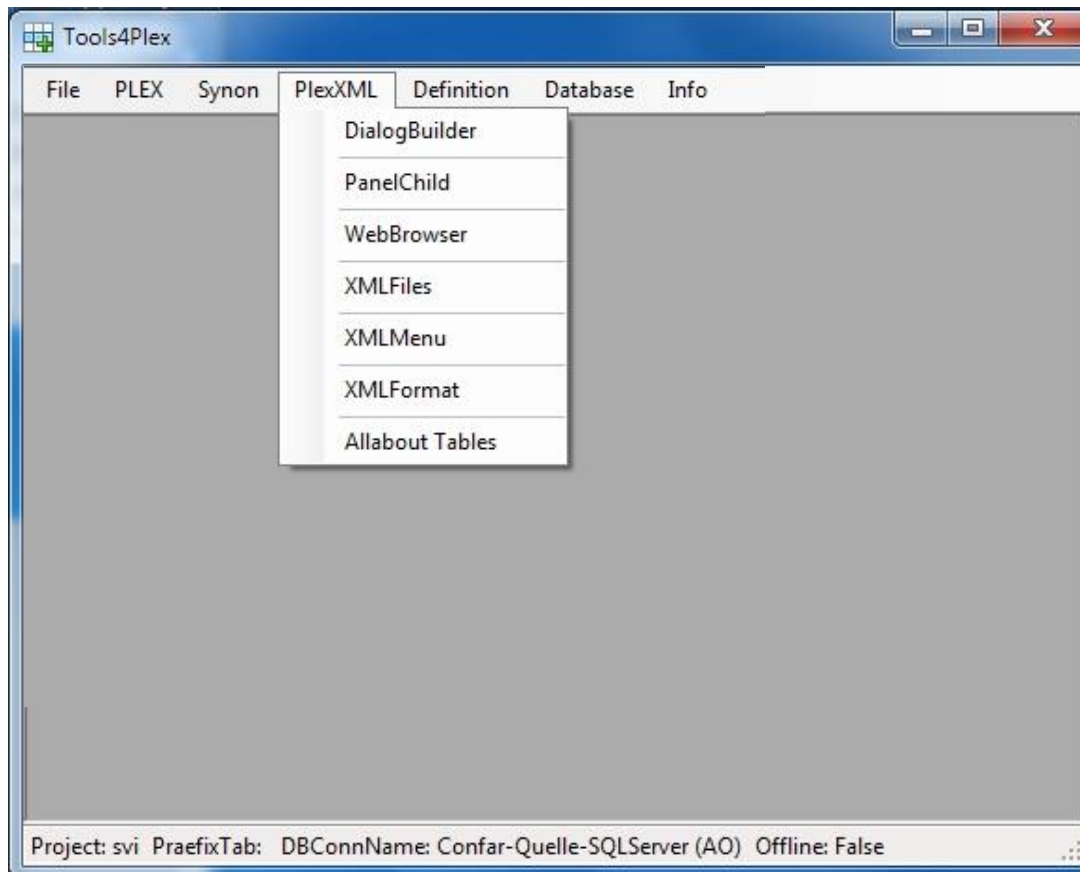


Unterstützt bei der Erstellung von Triples

- für Datenmodell und Vererbungsdefinitionen
- zum erstellen oder ändern von name triples
- zum erstellen von Values und Literalen
- aus .csv, Excel, Schematas
- **aus CA 2E**
- ...

Migrieren von CA 2E nach CA Plex...

Die Produktivitäts-Suite für CA Plex



PlexXML ist eines der UI-Frameworks die wir nutzen.

Tools4Plex unterstützt bei der Erstellung der Dialoge und der dafür nötigen .xml/.xsl Dateien für

- das Benutzerinterface
- diverse Funktionalität
- Controls (buttons, links, ...)

Tools4Plex unterstützt bei der Erstellung der Menüeinträge und legt das Wörterbuch für die Mehrsprachigkeit an



Positionierung Tools4Plex-Suite

Im Entwicklungs-Prozess:

Datenmodell Design

- Erstellen des Datamodells (in CA Plex)
 - Entitäten, Views & Indexes
 - Felder, Labels & Values
 - Relationen
 -
- Analyse der funktionalen Gruppen, Wahl der Vererbung
- Definieren und erstellen der Vererbungstriples
- Entwicklung der Funktionalität
- Zeit vergeht, neue Anforderungen, neue Systeme,....
- Refactoring und Migration

Tools4Plex
Tools4Plex
Tools4Plex

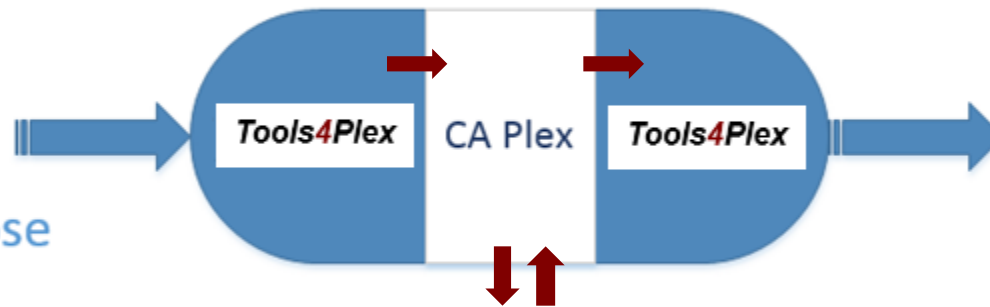
Tools4Plex

Tools4Plex
Tools4Plex

Positionierung Tools4Plex-Suite

Die Quintessenz von **Tools4Plex**

CA Erwin
Excel
.csv
Schema
Synon
Oracle
Rational Rose
JDE
XML
UML
...



Tools4Plex
Mass modeling

PlexXML
WebClient i+
.Net
Win FC
...others

Positionierung Tools4Plex-Suite

Mass modeling – Massenänderungen im Model

- Vielfaches Zufügen von Triples
- Vielfaches Ändern von Triples
- Refactoring von Namen
- Sprach-Übersetzung
- Model-Übersezung

Unterschiedliche Teile von Tools4Plex

- **PlexBox**
Rock around your Plex model
- **PlexXMLBox**
Rock around PlexXML Integration
- **SynonViewer**
Einsicht in ein Synon Model
Screens und ActionDiagramm, Properties
- **Synon AD Import**
PlexBox – „full“ Synon ActionDiagramm Import
PlexXMLBox – mehr komplex Dialoge und Charts



Über Tools4Plex...

- Die Produktivitäts-Suite für CA Plex
- Die Story hinter dem Werkzeug
- Was steht zur Verfügung
- Wo wollen wir noch hin



Unterschiedliche Aspekte von Tools4Plex

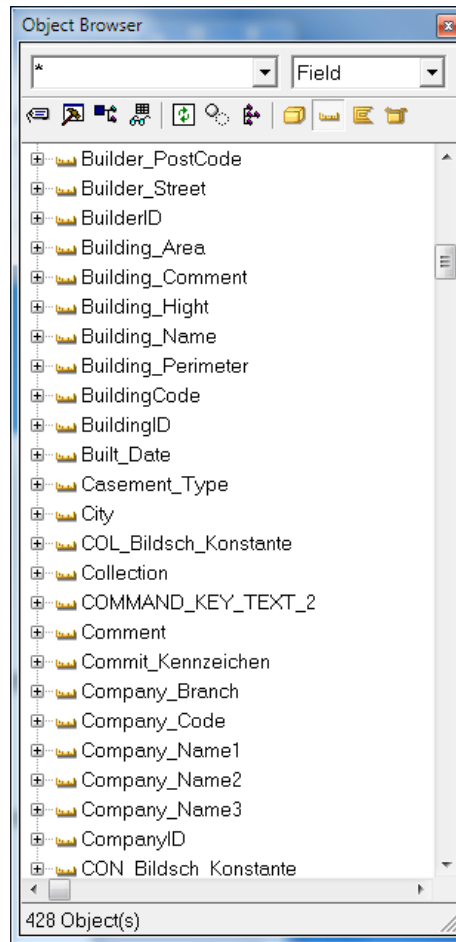
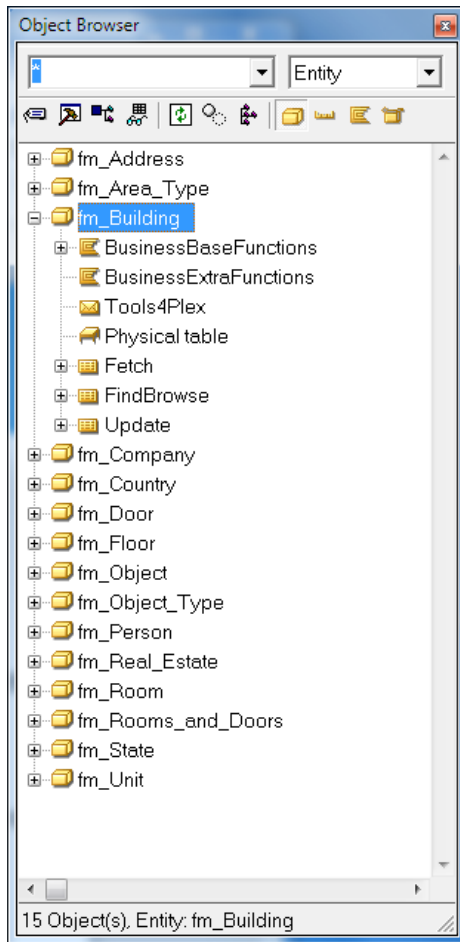
Haupt-Prozesse → Menü PLEX → *Create triples from Schema*

The screenshot displays the 'Create triple from database schema' application. The interface includes a menu bar with 'File', 'Choose tables...', 'Preview schema', 'Filter nodes', 'Check duplicate objects', 'Check tables', 'Fid=ImpINme', 'Preview triples', 'Filter triple', 'Make Real', 'Check TripleExists', 'Create triples', and 'Make Real'. The left sidebar shows a tree view of the database schema, with 'fm_Building' expanded to show its properties and associated triples. The main window displays a table of generated triples, with columns for TripleName, SourceObjName, VerbName, TargetObjName, TargetObjType, TargetIsTriple, TargetIsModifiable, IsScoped, ParentTripleID, and ContTriple. The table lists various relationships, such as 'Contains', 'EntIsEnt', 'EntKnownFld', and 'EntHasFld', along with their respective source and target objects and types.

TripleName	SourceObjName	VerbName	TargetObjName	TargetObjType	TargetIsTriple	TargetIsModifiable	IsScoped	ParentTripleID	ContTriple
fm_Building / EntIsEnt / RelationalTable	fm_Building	EntIsEnt	RelationalTable		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
fm_Building.Physical table / TblImpINme / fm_Building	fm_Building.Physical tab...	TblImpINme	fm_Building		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
fm_Building.Physical table / TblFileNme / fm_Building	fm_Building.Physical tab...	TblFileNme	fm_Building		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
fm_Building / EntKnownFld / BuildingID	fm_Building	EntKnownFld	BuildingID		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
BuildingID / FldIsFld / Decimal	BuildingID	FldIsFld	Decimal		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
BuildingID / FldLengthNbr / 9	BuildingID	FldLengthNbr	9		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
BuildingID / FldLeftLbl / BuildingID	BuildingID	FldLeftLbl	BuildingID		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
BuildingID / FldTopLbl / BuildingID	BuildingID	FldTopLbl	BuildingID		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
BuildingID / FldImpINme / BuildingID	BuildingID	FldImpINme	BuildingID		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
fm_Building / EntHasFld / BuildingCode	fm_Building	EntHasFld	BuildingCode		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Trp / TrpOptionalityAtrSys / Optional	Trp	TrpOptionalityAtrSys	Optional		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>
BuildingCode / FldIsFld / ShortDescription	BuildingCode	FldIsFld	ShortDescription		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
BuildingCode / FldLengthNbr / 20	BuildingCode	FldLengthNbr	20		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
BuildingCode / FldLeftLbl / BuildingCode	BuildingCode	FldLeftLbl	BuildingCode		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
BuildingCode / FldTopLbl / BuildingCode	BuildingCode	FldTopLbl	BuildingCode		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
BuildingCode / FldImpINme / BuildingCode	BuildingCode	FldImpINme	BuildingCode		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
fm_Building / EntHasFld / Building_Name	fm_Building	EntHasFld	Building_Name		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Trp / TrpOptionalityAtrSys / Optional	Trp	TrpOptionalityAtrSys	Optional		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>
Building_Name / FldIsFld / VaryCharacter	Building_Name	FldIsFld	VaryCharacter		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Building_Name / FldLengthNbr / 25	Building_Name	FldLengthNbr	25		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Building_Name / FldLeftLbl / Building_Name	Building_Name	FldLeftLbl	Building_Name		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Building_Name / FldTopLbl / Building_Name	Building_Name	FldTopLbl	Building_Name		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Building_Name / FldImpINme / Building_Name	Building_Name	FldImpINme	Building_Name		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
fm_Building / EntHasFld / Building_Area	fm_Building	EntHasFld	Building_Area		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Trp / TrpOptionalityAtrSys / Optional	Trp	TrpOptionalityAtrSys	Optional		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>
Building_Area / FldIsFld / Decimal	Building_Area	FldIsFld	Decimal		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Building_Area / FldLengthNbr / 9	Building_Area	FldLengthNbr	9		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>

Unterschiedliche Aspekte von Tools4Plex

Haupt-Prozesse → Menü PLEX → *Creating triples*



Ergebnis im ObjectBrowser

Alle Objekte sind „real“

Felder erben von den jeweiligen Basis-Feldern



Über Tools4Plex...

Um das alles schnell und mit hoher Qualität durchzuführen, bedarf es der Automatisierung.

Sie brauchen



oder 24 Stunden pro Tag + die Nacht



Über Tools4Plex...

Gleichgültig, ob es

- ein **neues Projekt** oder
- eine **Modernisierung** oder
- einfach **Refactoring** ist,

ob es

- mit **Synon**, mit **CA Plex** oder **native** entwickelt wird,

Die benötigte Zeit ist oft zu lang und am schlimmsten ist, es gibt immer auch stupide und langweilige Arbeit für einn Entwickler.

Unterschiedliche Aspekte von Tools4Plex

Haupt-Prozesse → Menü PLEX → *.csv-import*

Beispiel: Import eines Datenbank-Schemas im *.csv*-format

The screenshot shows the 'Schema1.csv - Editor' window. The main text area contains the following CSV content:

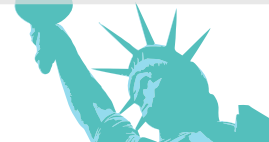
```
ENTITY;TABNAME;FIELD;AllowDBNull;KeyIndex;FldImplNme;FldIsFld;FldLengthNbr;FldTopLbl;FldLeftLbl
MyTable;MyTableImplName;Feld1;0;1;Feld1_Name;MyInheritedField;110;TopLabel_Feld1;Left_Label_Feld1
MyTable;MyTableImplName;Feld2;1;1;Feld2_Name;MyInheritedField;11;TopLabel_Feld2;Left_Label_Feld2
MyTable;MyTableImplName;Feld3;0;0;Feld3_Name;MyInheritedField;15;TopLabel_Feld3;Left_Label_Feld3
MyTable;MyTableImplName;Feld4;1;0;Feld4_Name;MyInheritedField;11;TopLabel_Feld4;Left_Label_Feld4
MyTable;MyTableImplName;Feld5;0;0;Feld5_Name;MyInheritedField;40;TopLabel_Feld5;Left_Label_Feld5
```

Below the editor, the 'Entitäten und Felder' tree view shows the following structure:

- Entitäten und Felder
 - MyTable
 - Physical table / TblImplNme / MyTableImplName
 - EntKnownFld / Feld1
 - EntKnownFld / Feld2
 - EntHasFld / Feld3
 - EntHasFld / Feld4
 - Trp / TrpOptionalityAtrSys / Optional
 - EntHasFld / Feld5
 - Feld1
 - RdImplNme / Feld1_Name
 - RdIsFld / MyInheritedField
 - RdLengthNbr / 110
 - RdTopLbl / TopLabel_Feld1
 - RdLeftLbl / Left_Label_Feld1

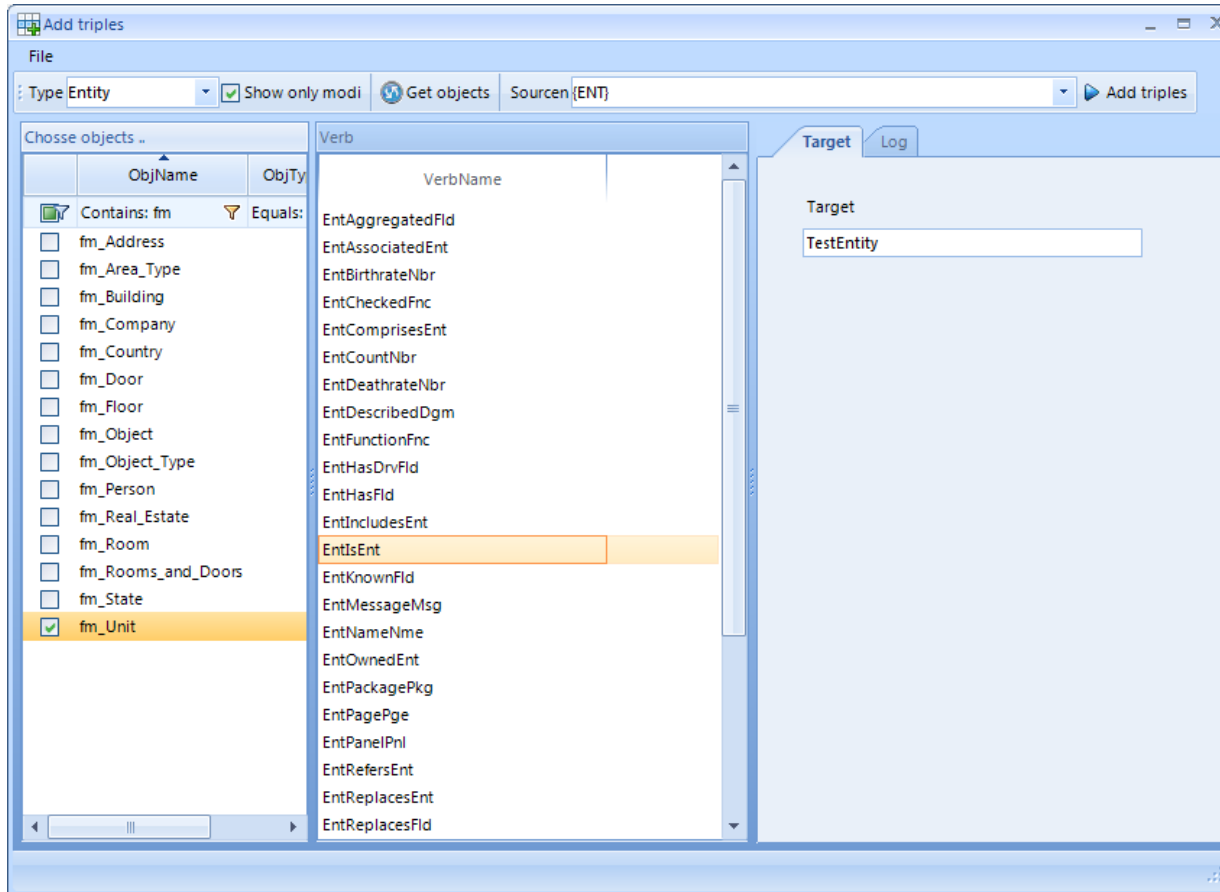
On the right, a table displays the properties for 'MyTable' and its fields:

MyTable	known by	Feld1
Feld1	is a	MyInheritedField
	length	110
	left label	Left_Label_Feld1
	top label	TopLabel_Feld1
	impl name	Feld1_Name
	known by	Feld2
Feld2	is a	MyInheritedField
	length	11
	left label	Left_Label_Feld2
	top label	TopLabel_Feld2
	impl name	Feld2_Name



Unterschiedliche Aspekte von Tools4Plex

Haupt-Prozesse → Menü PLEX → *Add Triples*



Abhängig von den
selektierten Objekten
und Verb-Namen
werden neue Triples
generiert.

Beispiel:
EntIsEnt

DEMO



Unterschiedliche Aspekte von Tools4Plex

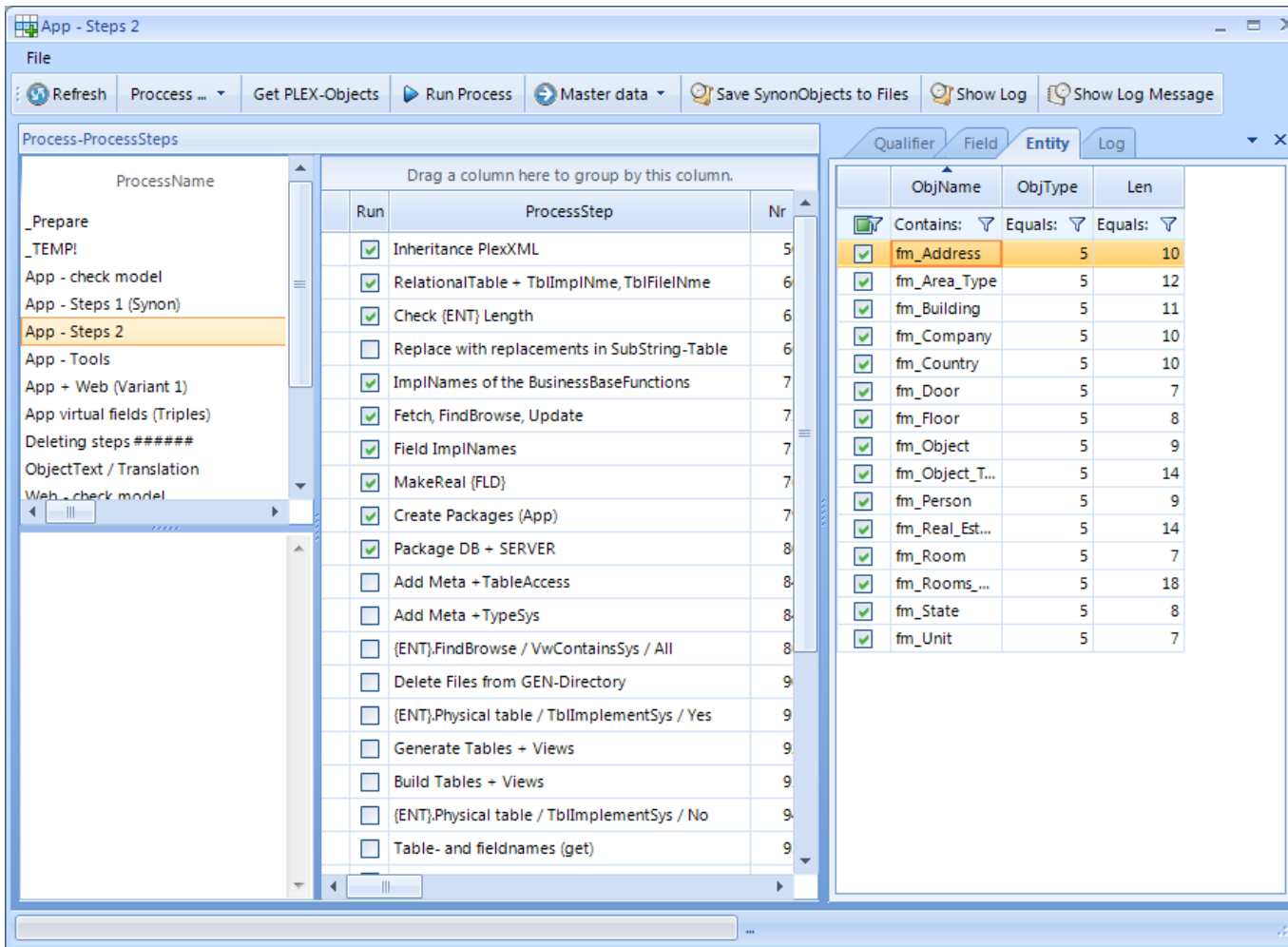
Haupt-Prozesse → Menü PLEX → *Change triples*

The screenshot shows the 'Change triples' application window. The interface includes a menu bar with 'File', a toolbar with 'Type Entity', 'Show only modi', 'Get objects', 'Sourcen (ENT).Physical table', 'Get triples', and 'Create new target Actions'. Below the toolbar are two panels: 'Chosse objects ..' and 'Chosse verben ...'. The 'Chosse objects ..' panel lists various object names, with 'fm_Door' selected. The 'Chosse verben ...' panel lists verbs, with 'TblImplementSys' selected. The main area displays a table of triples under the 'Triples' tab. The table has columns for 'SourceObjName', 'VerbName', 'TargetObjName', and 'TargetPreview'. The first row is highlighted in yellow. Below the table is a 'Change target' panel with options for 'Create preview' and 'Change substring in preview ...'. The 'Create preview' panel has dropdowns for 'Target new' (set to 'Yes') and 'Replacement' (set to 'Replacement'), and a 'Create preview' button. The 'Change substring in preview ...' panel has radio buttons for 'Function' (set to 'Replace') and 'Position' (set to 'Start'), and input fields for 'Old substring' and 'New substring', along with a 'Change preview' button.

SourceObjName	VerbName	TargetObjName	TargetPreview
Contains:	Contains:	Contains:	Contains:
fm_Address.Physical table	TblImplementSys	No	Yes
fm_Area_Type.Physical table	TblImplementSys	No	Yes
fm_Building.Physical table	TblImplementSys	No	Yes
fm_Company.Physical table	TblImplementSys	No	Yes
fm_Country.Physical table	TblImplementSys	No	Yes
fm_Door.Physical table	TblImplementSys	No	Yes
fm_Floor.Physical table	TblImplementSys	No	Yes
fm_Object.Physical table	TblImplementSys	No	Yes
fm_Object_Type.Physical table	TblImplementSys	No	Yes
fm_Person.Physical table	TblImplementSys	No	Yes
fm_Real_Estate.Physical table	TblImplementSys	No	Yes
fm_Room.Physical table	TblImplementSys	No	Yes
fm_Rooms_and_Doors.Physical table	TblImplementSys	No	Yes
fm_State.Physical table	TblImplementSys	No	Yes
fm_Unit.Physical table	TblImplementSys	No	Yes

Unterschiedliche Aspekte von Tools4Plex

Haupt-Prozesse → Menü PLEX → *Process*



The screenshot shows the 'Process-ProcessSteps' window in Tools4Plex. The window is divided into two main sections. On the left, there is a list of process steps, each with a 'Run' checkbox and a 'Nr' (number) column. On the right, there is a table with columns 'ObjName', 'ObjType', and 'Len'. The table contains a list of objects, with 'fm_Address' highlighted in orange. The 'ObjName' column has a dropdown menu open, showing 'Contains: Equals: Equals:'. The 'ObjType' column has a dropdown menu open, showing 'Equals:'. The 'Len' column has a dropdown menu open, showing 'Equals:'. The 'ObjName' column has a dropdown menu open, showing 'Contains: Equals: Equals:'. The 'ObjType' column has a dropdown menu open, showing 'Equals:'. The 'Len' column has a dropdown menu open, showing 'Equals:'.

Run	ProcessStep	Nr	ObjName	ObjType	Len
<input checked="" type="checkbox"/>	Inheritance PlexXML	5	fm_Address	5	10
<input checked="" type="checkbox"/>	RelationalTable + TblImpNme, TblFileNme	6	fm_Area_Type	5	12
<input checked="" type="checkbox"/>	Check (ENT) Length	6	fm_Building	5	11
<input type="checkbox"/>	Replace with replacements in SubString-Table	6	fm_Company	5	10
<input checked="" type="checkbox"/>	ImpINames of the BusinessBaseFunctions	7	fm_Country	5	10
<input checked="" type="checkbox"/>	Fetch, FindBrowse, Update	7	fm_Door	5	7
<input checked="" type="checkbox"/>	Field ImpINames	7	fm_Floor	5	8
<input checked="" type="checkbox"/>	MakeReal (FLD)	7	fm_Object	5	9
<input checked="" type="checkbox"/>	Create Packages (App)	7	fm_Object_T...	5	14
<input checked="" type="checkbox"/>	Package DB + SERVER	8	fm_Person	5	9
<input type="checkbox"/>	Add Meta + TableAccess	8	fm_Real_Est...	5	14
<input type="checkbox"/>	Add Meta + TypeSys	8	fm_Room	5	7
<input type="checkbox"/>	{ENT}, FindBrowse / VwContainsSys / All	8	fm_Rooms_...	5	18
<input type="checkbox"/>	Delete Files from GEN-Directory	9	fm_State	5	8
<input type="checkbox"/>	{ENT}, Physical table / TblImplementSys / Yes	9	fm_Unit	5	7
<input type="checkbox"/>	Generate Tables + Views	9			
<input type="checkbox"/>	Build Tables + Views	9			
<input type="checkbox"/>	{ENT}, Physical table / TblImplementSys / No	9			
<input type="checkbox"/>	Table- and fieldnames (get)	9			

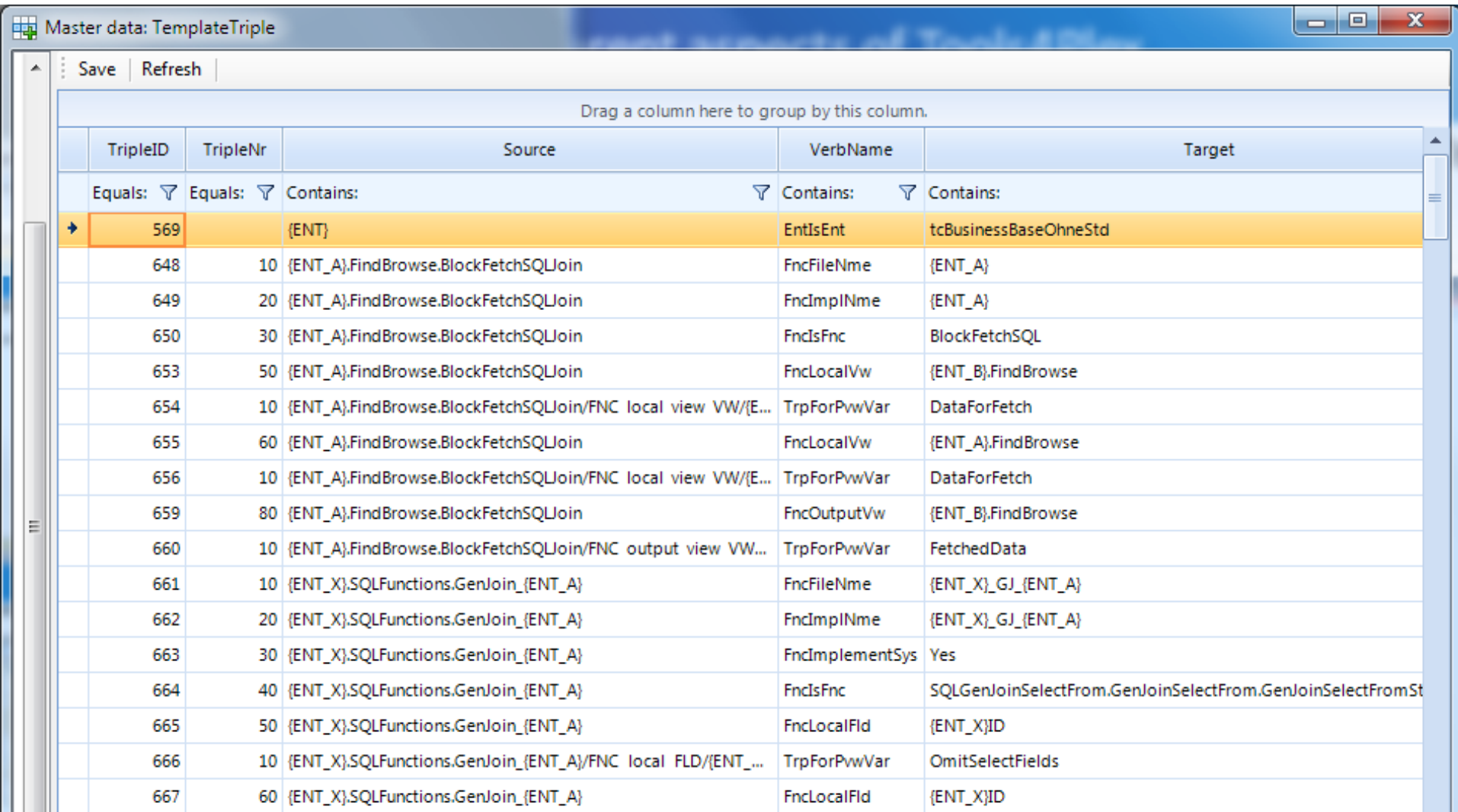
Alle diese Funktionen können über Prozess-Steps paketiert und für ausgewählte Objekte ausgeführt werden. Selbst Triples können so erstellt werden.



Unterschiedliche Aspekte von Tools4Plex

Haupt-Prozesse → Menü PLEX → *Template Triples*

Ansicht vordefinierter Template-Triples



Master data: TemplateTriple

Save Refresh

Drag a column here to group by this column.

TripleID	TripleNr	Source	VerbName	Target
569		{ENT}	EntIsEnt	tcBusinessBaseOhneStd
648	10	{ENT_A}.FindBrowse.BlockFetchSQLJoin	FncFileNme	{ENT_A}
649	20	{ENT_A}.FindBrowse.BlockFetchSQLJoin	FncImplNme	{ENT_A}
650	30	{ENT_A}.FindBrowse.BlockFetchSQLJoin	FncIsFnc	BlockFetchSQL
653	50	{ENT_A}.FindBrowse.BlockFetchSQLJoin	FncLocalVw	{ENT_B}.FindBrowse
654	10	{ENT_A}.FindBrowse.BlockFetchSQLJoin/FNC local view VW/{E...	TrpForPvwVar	DataForFetch
655	60	{ENT_A}.FindBrowse.BlockFetchSQLJoin	FncLocalVw	{ENT_A}.FindBrowse
656	10	{ENT_A}.FindBrowse.BlockFetchSQLJoin/FNC local view VW/{E...	TrpForPvwVar	DataForFetch
659	80	{ENT_A}.FindBrowse.BlockFetchSQLJoin	FncOutputVw	{ENT_B}.FindBrowse
660	10	{ENT_A}.FindBrowse.BlockFetchSQLJoin/FNC output view VW...	TrpForPvwVar	FetchData
661	10	{ENT_X}.SQLFunctions.GenJoin_(ENT_A)	FncFileNme	{ENT_X}_GJ_(ENT_A)
662	20	{ENT_X}.SQLFunctions.GenJoin_(ENT_A)	FncImplNme	{ENT_X}_GJ_(ENT_A)
663	30	{ENT_X}.SQLFunctions.GenJoin_(ENT_A)	FncImplementSys	Yes
664	40	{ENT_X}.SQLFunctions.GenJoin_(ENT_A)	FncIsFnc	SQLGenJoinSelectFrom.GenJoinSelectFrom.GenJoinSelectFromSt
665	50	{ENT_X}.SQLFunctions.GenJoin_(ENT_A)	FncLocalFld	{ENT_X}ID
666	10	{ENT_X}.SQLFunctions.GenJoin_(ENT_A)/FNC local FLD/{ENT_...	TrpForPvwVar	OmitSelectFields
667	60	{ENT_X}.SQLFunctions.GenJoin_(ENT_A)	FncLocalFld	{ENT_X}ID

Unterschiedliche Aspekte von Tools4Plex

Haupt-Prozesse → Menü PLEX → *Process*

Weitere Prozess-Steps können z.B. folgende Funktionen ausführen:

- Löschen von Dateien aus dem GEN-Directory
- Generate and Build Operationen
- Groupmodel Operationen
- Tools4Plex-Datenbank Operationen
- Prüfung der künftigen Länge von ImplNames und FileNames
- ...

DEMO



Unterschiedliche Aspekte von Tools4Plex

Haupt Prozesse → Menu PLEX → *ModelViewer*

The screenshot shows the PLEX Model-Viewer interface. On the left is a tree view (TreeView) showing a hierarchy of model objects. The selected object is 'fm_Object.Fetch.CheckRow'. On the right is a details pane showing the properties and metadata of this object.

Name	Value
ObjID	232826640
ObjName	fm_Object.Fetch.CheckRow
ObjType	7
ObjTypeAsText	Function
ObjFullName	Function: fm_Object.Fetch.CheckRow
OriginalName	
IsObjModifiable	True
IsObjModified	False
IsObjATriple	False
IsObjVirtual	False
IsTripleVirtual	False
Narrative	
LPTxt	
FULLPTxt	*+1 Function*+2 Comment Copyright 2004 Computer Associates International, Inc. All Rights Reserv...
ObjScope	377359440
ObjLastChangeDate	28.06.2013 16:43:40
ObjOwner	107333472
CountDep	

The details pane also shows a description and modification history:

*+1 Function
*+2 Comment Copyright 2004 Computer Associates International, Inc. All Rights Reserved.
*+2 Seq

Description
*+3 Pre Point Description
*+3 Edit Point Description
*+3 Post Point Description
*+3 Seq

Modification history
meta.#10087644 *+4 Comment 07-Apr-1999 AGS Define User meta variable for use in the message
meta.#10140727 *+4 Comment 28-Oct-1999 AGS Define +Terminate meta variable for use in the Terminate
Terminate.#12668997;02 *+4 Comment 13-Oct-2005 CDC Edit Point 'Terminate Processing' added to Subroutine
#14346413.
*+4 Pre Point Modification history
*+4 Edit Point Modification history
*+4 Post Point Modification history

*+2 Go Sub Initialize
*+2 Pre Point Execute
*+3 Go Sub Check row
*+2 Edit Point Execute
*+2 Post Point Execute
*+3 Go Sub Terminate
*+2 Sub Initialize
*+3 Pre Point Start initialize
*+4 Set Environment<*Returning status> = <*Returning status.*Successful>
*+3 Edit Point Start initialize
*+3 Post Point Start initialize
*+3 Seq

Message handling & termination setup
*+4 +++Undefine Field: OBJECTS/*Message delivery

Links (TreeView)
Entdecke alle
Typen von Objekten
mit ihren
Zielobjekten,
Triples, Attributen
und Anhängigkeiten

Rechts (Details)

- ObjectProperties
- ActionDiagram falls vorhanden

DEMO?

Unterschiedliche Aspekte von Tools4Plex

Haupt Prozesse → Menu PLEX → *Define virtual fields*

ProjectID	ParentEnt	Ent	Fid	ComboBox
fm5	fm_RealEstate	fm_Building	RealEstateName	<input type="checkbox"/>
fm5	fm_RealEstate	fm_Building	StateID	<input type="checkbox"/>
fm5	fm_RealEstate	fm_Building	Street	<input type="checkbox"/>
fm4	fm_RealEstate	fm_Building	City	<input type="checkbox"/>
fm4	fm_RealEstate	fm_Building	CountryID	<input type="checkbox"/>
fm4	fm_RealEstate	fm_Building	PostCode	<input type="checkbox"/>
fm4	fm_RealEstate	fm_Building	RealEstateCode	<input type="checkbox"/>
fm4	fm_RealEstate	fm_Building	RealEstateName	<input type="checkbox"/>
fm4	fm_RealEstate	fm_Building	StateID	<input type="checkbox"/>
fm4	fm_RealEstate	fm_Building	Street	<input type="checkbox"/>
fm3	fm_Real_Estate	fm_Building	City	<input type="checkbox"/>
fm3	fm_Real_Estate	fm_Building	CountryID	<input type="checkbox"/>
fm3	fm_Real_Estate	fm_Building	PostCode	<input type="checkbox"/>
fm3	fm_Real_Estate	fm_Building	RealEstate_Code	<input type="checkbox"/>
fm3	fm_Real_Estate	fm_Building	RealEstate_Name	<input type="checkbox"/>
fm3	fm_Real_Estate	fm_Building	StateID	<input type="checkbox"/>
fm3	fm_Real_Estate	fm_Building	Street	<input type="checkbox"/>
fm4	fm_Address	fm_Company	City	<input type="checkbox"/>
fm4	fm_Address	fm_Company	CountryID	<input type="checkbox"/>
fm4	fm_Address	fm_Company	PostCode	<input type="checkbox"/>
fm4	fm_Address	fm_Company	StateID	<input type="checkbox"/>
fm4	fm_Address	fm_Company	Street	<input type="checkbox"/>
fm3	fm_Address	fm_Company	City	<input type="checkbox"/>
fm3	fm_Address	fm_Company	CountryID	<input type="checkbox"/>
fm3	fm_Address	fm_Company	PostCode	<input type="checkbox"/>

Links (TreeView)
Alle Entitäten mit
Attributen, um virtuelle
Felder zu definieren,
wenn diese nicht im
Model definiert sind.

Das ist nötig für das
PlexXML UserInterface



Unterschiedliche Aspekte von Tools4Plex

Haupt Prozesse → Menu PLEX

Ende Teil 1

Brauchen Sie mehr?

Unterschiedliche Aspekte von Tools4Plex

Haupt Prozesse → Menu PlexXML

▪ **PlexXML DialogBuilder**

Erstellen von Browserbasierten Standardpanels für die Verwaltung von allen Tabellen in einem Atemzug.

- Listenansicht (Übersicht) mit Aufruf der Verwaltung pro Zeile
- Detailansicht mit Editier-Funktionen
- Kombinierte Übersicht mit Detailansicht(en)
- Kopf/Positionsansicht oder Kopf mit abhängigen Daten in Tabs

▪ **PanelChildBuilder**

Definition komplexer Dialoge durch kombinieren vorhandener Ansichten.



PlexXML... wie es begann

- Wer kennt PlexXML?
- Wer nutzt PlexXML?
- Was ist PlexXML?
 - ➔ ein dynamischer CA Plex WebClient mit Nutzung von XML und Ajax
- Start mit PlexXML 2009, mit schnellem Erfolg beim Tutorial...
- PlexXML basiert auf Java/xsl/xslt Technologie, was wir alles nicht sonderlich beherrschten, da wir immer mit Tools gearbeitet haben.
- Wir wollten alle schwierigen manuellen Tätigkeiten automatisieren
 - ➔ **Tools4Plex** für **PlexXML** war geboren
- **Tools4Plex** für **PlexXML** für die Erstellung der Funktionalität und das gewünschte Benutzerinterface wurde 2011/2012 fertiggestellt-

Unterschiedliche Aspekte von Tools4Plex

Haupt Prozesse → Menu PlexXML → *DialogBuilder*

The screenshot shows the Dialog-Builder application window. On the left is a tree view of dialog components, including 'All dialogs', 'Child Entities', 'Parent Entities', 'Dialogs', and various dialog types like 'FindBrowse', 'MasterDetail', and 'MasterTAB'. The main area displays a table with columns: Ent, DialogType, Template, and ContentText. The table lists various dialog configurations for the 'fm_Building' entity, such as 'FindBrowse', 'MasterDetail', and 'MasterTAB', each with its corresponding template file and content text.

Ent	DialogType	Template	ContentText
fm_Build	Contains	Contains	Contains
fm_Building	FindBrowse	FindBrowse_Buttons.xml	<?xml version="1.0" encoding="UTF-8"?> <xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
fm_Building	FindBrowse	Request_FB.xml	<!-- Building --> <webrequest name="fm_Building_XML_FB_FB"> <request name="fm_Building_XML_FB_FB" extends="FindBrowse"/> <response> <error type="default" name="DEFAULT"/> <reaction type="DEFAULT" target="DISPLAY" localized="true" name="/WEB-INF/TC_FM...> </response> </webrequest>
fm_Building	MasterDetail	Master_Detail.xslt	<?xml version="1.0" encoding="UTF-8"?> <xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
fm_Building	MasterDetail	Request_MD.xml	<!-- fm_Building_Comment_MD Master Detail --> <webrequest name="fm_Building Comment MD"> <?xml version="1.0" encoding="UTF-8"?> <xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
fm_Building	MasterDetail	Master_Detail.xslt	<xsl:import href="/WEB-INF/resources/common/DictionaryBase.xslt"/> <xsl:include href="/WEB-INF/customized/locale/messages.xslt"/> <xsl:include href="/WEB-INF/security/locale/messages.xslt"/>
fm_Building	MasterDetail	Request_MD.xml	<!--Master/Detail--> <!-- fm_Building_Floor_MD Master Detail --> <webrequest name="fm_Building Floor MD"> <?xml version="1.0" encoding="utf-8"?> <xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
fm_Building	MasterTAB	Master_TAB1.xml	<!-- fm_Building_IAB Master Tab --> <webrequest name="fm_Buildingn TAB"> <request-handler>
fm_Building	Update	Controler_FB_Select.xml	

Tools4Plex

TOOLS4PLEX

Unterschiedliche Aspekte von Tools4Plex

Haupt Prozesse → Menu PlexXML → *DialogBuilder*

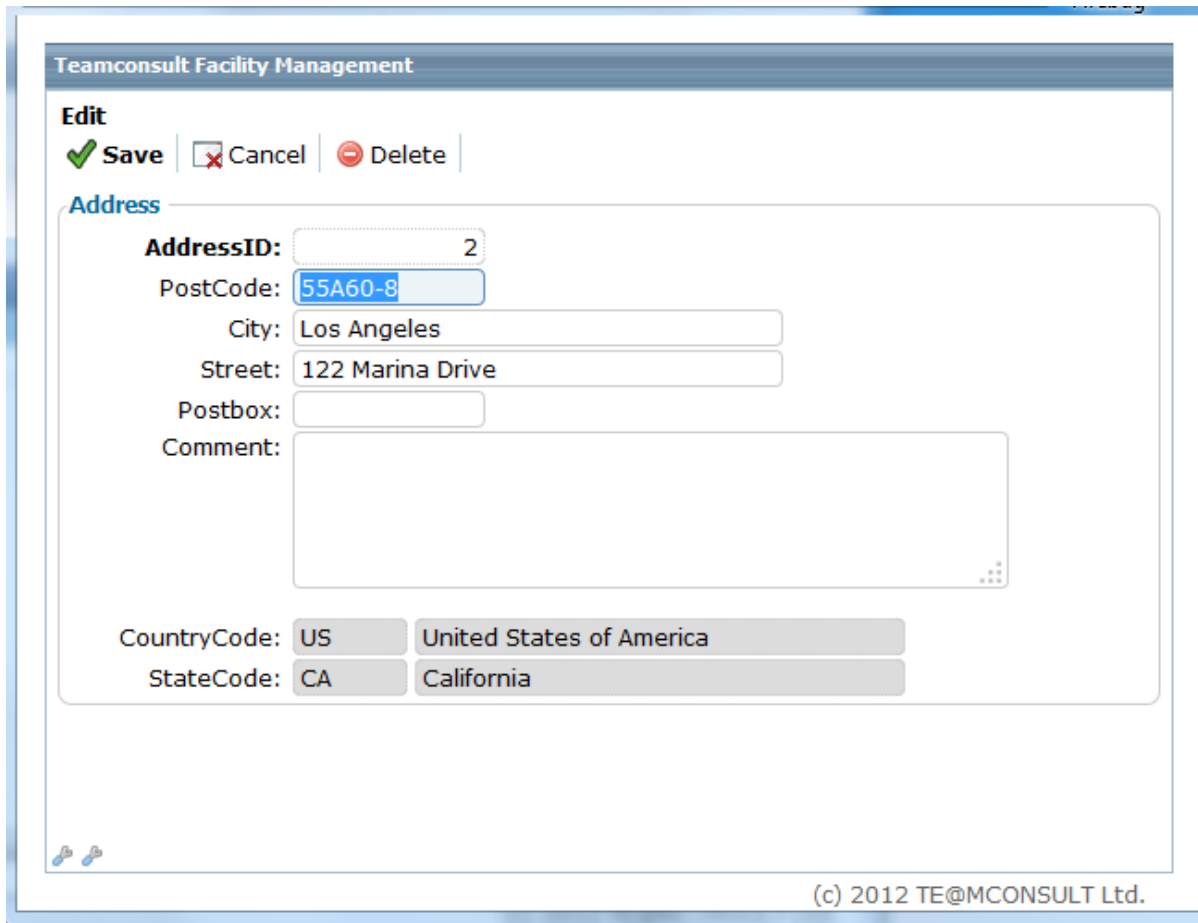
The screenshot displays the PlexXML application interface. On the left is a navigation tree with folders like 'fm4', 'PanelChild', and 'Special'. The main area shows a table titled 'Address' with columns: AddressID, PostCode, City, Street, CountryName, Countr..., State, and StateC... The table contains 7 records, with the third record (AddressID: 3, PostCode: 95014, City: Cupertino, Street: 1 Infinite Loop) selected. Below the table is an 'Edit' section with 'Save', 'Cancel', and 'Delete' buttons. A 'PanelChild Dialog' is open, showing input fields for AddressID (3), PostCode (95014), City (Cupertino), Street (1 Infinite Loop), Postbox, and Comment. It also features dropdown menus for CountryCode (US) and StateCode (CA). The dialog title is 'PanelChild Dialog'. The application footer shows '114 ms' and '(c) 2012 TE@MCONSULT Ltd.'.

AddressID	PostCode	City	Street	CountryName	Countr...	State	StateC...
1	65760	Eschborn	Hauptstr. 233	Germany	DE	Hessen	HE
2	55A60-8	Los Angeles	122 Marina Drive	United States of Am...	US	California	CA
3	95014	Cupertino	1 Infinite Loop	United States of Am...	US	California	CA
4	71034	Böblingen	Herrenberger Str. 140	Germany	DE	Baden-Württemberg	BW
5	71139	Ehningen	IBM-Allee 1	Germany	DE	Baden-Württemberg	BW
6	65824	Schwalbach i. Ts.	Am Kronberger Han...	Germany	DE	Baden-Württemberg	BW
7	65760	Eschborn	Hauptstr. 129-135	Germany	DE	Hessen	HE

PanelChild Dialog

Unterschiedliche Aspekte von Tools4Plex

Haupt Prozesse → Menu PlexXML → *DialogBuilder*



The screenshot shows a dialog box titled "Teamconsult Facility Management" with an "Edit" section. It contains several input fields and buttons:

- Edit** section with buttons: Save, Cancel, Delete
- Address** section with fields:
 - AddressID: 2
 - PostCode: 55A60-8
 - City: Los Angeles
 - Street: 122 Marina Drive
 - Postbox: (empty)
 - Comment: (empty text area)
- CountryCode: US (United States of America)
- StateCode: CA (California)

At the bottom right of the dialog, it says "(c) 2012 TE@MCONSULT Ltd."

Detailansicht mit
Editierfunktionalität

Unterschiedliche Aspekte von Tools4Plex

Teamconsult Facility Management

Edit
✓ Save | ✗ Cancel | ⓓ Delete

Company

PostCode:

City:

Street:

CountryID:

StateID:

CompanyID:

Company Code:

Company Name1:

Company Name2:

Company Name3:

Company Branch:

Legal Form:

Comment:

AddressID: 🔍

RealEstate Address-Real_Es | Company-Real_Es | DEFAULT | PC | SEL

⏪ ⏩ 🔍 Search 📄 📧 📄 + New

	AddressID	PostCode	City	Street
	<input type="text" value="1"/>	<input type="text" value="65760"/>	<input type="text" value="Eschborn"/>	<input type="text" value="Hauptstr. 233"/>
	<input type="text" value="4"/>	<input type="text" value="71034"/>	<input type="text" value="Böblingen"/>	<input type="text" value="Herrenberger Str. 140"/>

Record: 1 - 2 of 2

Haupt Prozesse
➔ Menu PlexXML
➔ *DialogBuilder*

MasterDetail Dialog

vorbehalten.



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Unterschiedliche Aspekte von Tools4Plex

Haupt Prozesse → Menu PlexXML → *DialogBuilder*

The screenshot shows a web browser window with the URL `localhost:8080/TC_FM/aServlet?request=fm_Address_TAB&rid=98&AddressID=1&h=0&Action=P`. The page title is "Teamconsult Facility Management".

Form fields include:

- AdressID: 1
- PostCode: 60437
- City: Frankfurt am Main
- Strasse: Hohe Brück 7
- Postbox: (empty)
- PostCode: (empty)
- Kommentar: Your best choice of all
- LandID: DE
- Bundesland: HE

Navigation tabs: Company, Person, RealEstate. The "Person" tab is active.

Table of contacts:

PersonID	Salutation	Firstname	Surname	Phone	MobilePhone	Fax	Email1
1	Herr	Axel	Oberländer	06101/5586764	0171/7601398	06101/5586766	axel.oberlaender@teamconsul...
8	Frau	Lisa	Hausmann	06101/5586764	0171/7601399	06101/5586766	lisa.hausmann@teamconsult.de
9	Herr	Willi	Mertens	06101/5586764	0171/7601395	06101/5586766	willi.mertens@teamconsult.de
10	Herr	Thomas	Vogler-Eckermann	06101/5586764	0171/7601397	06101/5586766	thomas.vogler-eckermann@te...
11	Frau	Talia	Mackmann	06101/5586764	0171/7601332	06101/5586766	talia.mackmann@teamconsult...
12	Herr	Gerhardt	Weiss-Schnurzel	06101/5586764	0171/7601396	06101/5586766	gerd.weiss-schnurzel@teamc...

Footer: (c) 2012 TE@MCONSULT Ltd.

MasterTab
Dialog

Unterschiedliche Aspekte von Tools4Plex

PlexXML bietet einfach zu erweiternde Mehrsprachigkeit

Alle Textelemente eines Dialogs können in unterschiedlichen Sprachen angezeigt werden, wenn die Sprachen im Wörterbuch zur Verfügung stehen. Die Anzeige wird abhängig vom angemeldeten Benutzer und der gewählten Sprache aufgebaut.

BundeslandID	Bundesland
LandID: CH	
BA	Basel
BE	Bern
GR	Graubünden
ZH	Zürich
LandID: DE	
BB	Brandenburg
BE	Berlin
BW	Baden-Württemberg
BY	Bayern
HB	Bremen
HE	Hessen
HH	Hamburg
MV	Mecklenburg-Vorpommern
NI	Niedersachsen
NW	Nordrhein-Westfalen
RP	Rheinland-Pfalz
SH	Schleswig-Holstein
SL	Saarland
SN	Sachsen
ST	Sachsen-Anhalt
TH	Thüringen
LandID: I	

StateID	State
CountryID: CH	
BA	Basel
BE	Bern
GR	Graubünden
ZH	Zürich
CountryID: DE	
BB	Brandenburg
BE	Berlin
BW	Baden-Württemberg
BY	Bayern

Unterschiedliche Aspekte von Tools4Plex

Haupt Prozesse → Menu PlexXML → *DialogBuilder*

DEMO

Unterschiedliche Aspekte von Tools4Plex

Haupt Prozesse → Menu PlexXML → *PanelChild*

The screenshot shows the PanelChild application window. On the left, a 'Choose request' dialog is open, displaying a table with request details. The table has three columns: Index, Value, and Count. The row with Index 179 and Value 'fm_Real_Estate_XML_FB_FB' is selected. Below the table are 'Apply' and 'Close' buttons. On the right, a 'Template' dialog is open, showing a list of requests with 'north' selected. Below this, there are fields for 'west', 'Region' (set to 'center'), 'Border', 'Request' (set to 'fm_Real_Estate_XML_FB_FB'), 'Height' (280), and 'Width' (450). At the bottom of the PanelChild window, there are fields for 'Prefix Request' and 'Request complete', along with a 'Save' button.

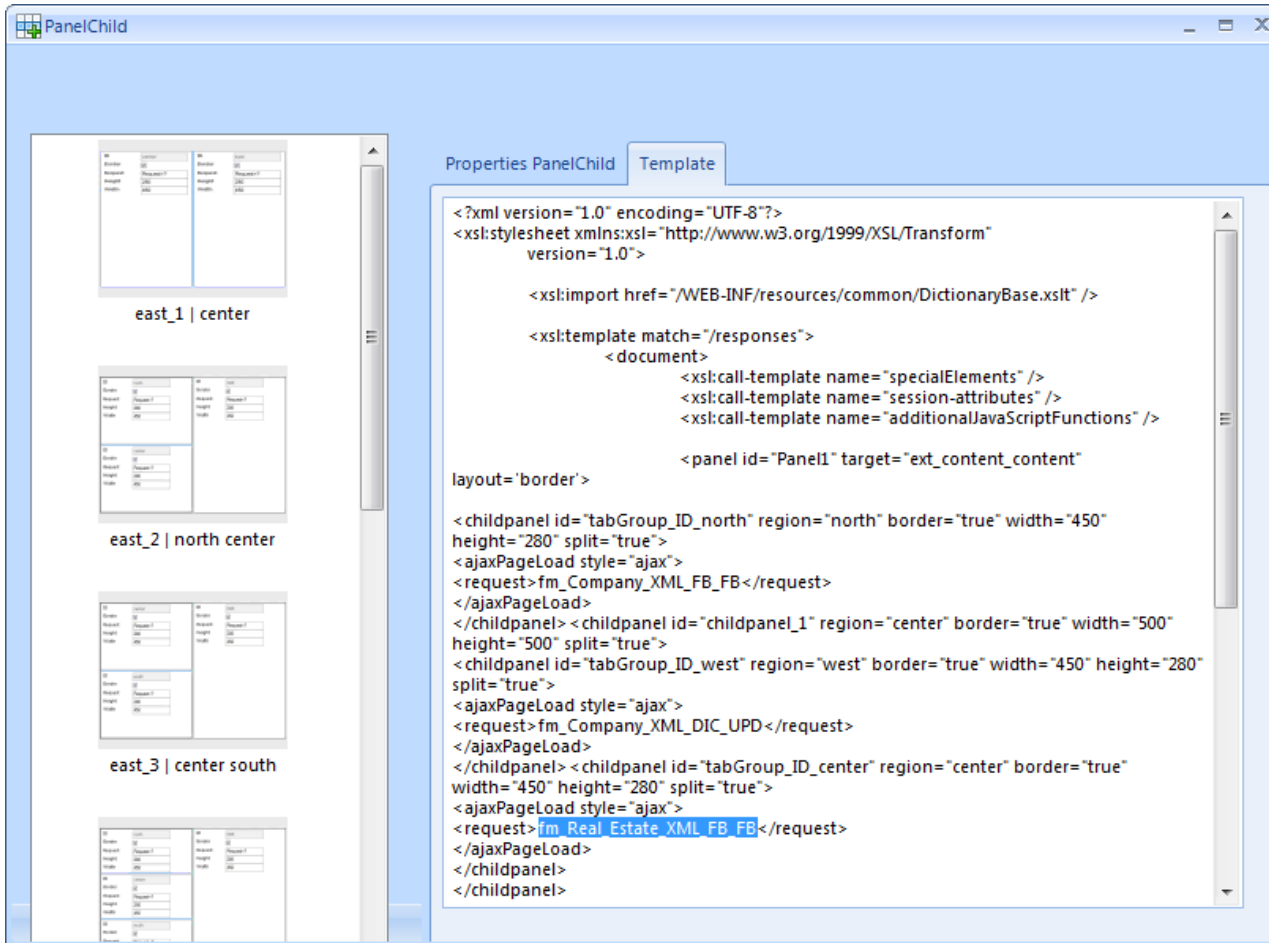
Index	Value	Count
177	fm_Person_XML_BS_SFT	1
179	fm_Real_Estate_XML_FB_FB	1
180	fm_Real_Estate_XML_DIC_INS	1
181	fm_Real_Estate_XML_DIC_UPD	1
183	fm_Real_Estate_Building_MD	1
185	fm_Real_Estate_TAB	1
187	fm_Real_Estate_XML_FB_FB_PC	1
189	fm_Real_Estate_PC	1
191	fm_Real_Estate_XML_FB_FB_Sel..	1
193	fm_Real_Estate_XML_BS_SFT	1
195	fm_Room_XML_FB_FB	1
196	fm_Room_XML_DIC_INS	1
197	fm_Room_XML_DIC_UPD	1
199	fm_Room_Object_MD	1
201	fm_Room_Rooms_and_Doors_...	1
203	fm_Room_TAB	1
205	fm_Room_XML_FB_FB_PC	1
207	fm_Room_PC	1
209	fm_Room_XML_FB_FB_Select	1
211	fm_Room_XML_BS_SFT	1
213	fm_Rooms_and_Doors_XMLFB...	1

Kombinieren von vorhandenen Dialogen, für neue und mächtige PanelChild Dialoge...



Unterschiedliche Aspekte von Tools4Plex

Haupt Prozesse → Menu PlexXML → *PanelChild*



The screenshot shows the **PanelChild** application window. On the left, there is a visual representation of a multi-pane interface with three sections labeled **east_1 | center**, **east_2 | north center**, and **east_3 | center south**. Each section contains a grid of data fields. On the right, the **Template** editor displays the following XML code:

```
<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
  version="1.0">

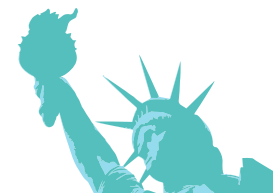
  <xsl:import href="/WEB-INF/resources/common/DictionaryBase.xslt" />

  <xsl:template match="/responses">
    <document>
      <xsl:call-template name="specialElements" />
      <xsl:call-template name="session-attributes" />
      <xsl:call-template name="additionalJavaScriptFunctions" />

      <panel id="Panel1" target="ext_content_content"
        layout='border'>

        <childpanel id="tabGroup_ID_north" region="north" border="true" width="450"
          height="280" split="true">
          <ajaxPageLoad style="ajax">
            <request>fm_Company_XML_FB_FB</request>
          </ajaxPageLoad>
        </childpanel> <childpanel id="childpanel_1" region="center" border="true" width="500"
          height="500" split="true">
          <childpanel id="tabGroup_ID_west" region="west" border="true" width="450" height="280"
            split="true">
            <ajaxPageLoad style="ajax">
              <request>fm_Company_XML_DIC_UPD</request>
            </ajaxPageLoad>
          </childpanel> <childpanel id="tabGroup_ID_center" region="center" border="true"
            width="450" height="280" split="true">
            <ajaxPageLoad style="ajax">
              <request>fm_Real_Estate_XML_FB_FB</request>
            </ajaxPageLoad>
          </childpanel>
        </childpanel>
      </document>
    </template>
  </xsl:stylesheet>
```

... **Tools4Plex**
generiert den
nötigen Code
dafür



Unterschiedliche Aspekte von Tools4Plex

Haupt Prozesse → Menu PlexXML → *Webbrowser*

Teamconsult Facility Management

Address

DEFAULT | PanelChild | SEL | State-Address

PostCode City Street Comment Sta

71034	Böblingen	Herrenberger Str. 140		BW
71139	Ehningen	IBM-Allee 1		BW
65824	Schwalbach i. Ts.	Am Kronberger Hang 6		BW
65760	Eschborn	Hauptstr. 129-135	Comment 7	HE
65760	Eschborn	Hauptstr. 233	Comment 1	HE
55A60-8	Los Angeles	122 Marina Drive		CA
95014	Cupertino	1 Infinite Loop		CA

Record: 1 - 7 of 7

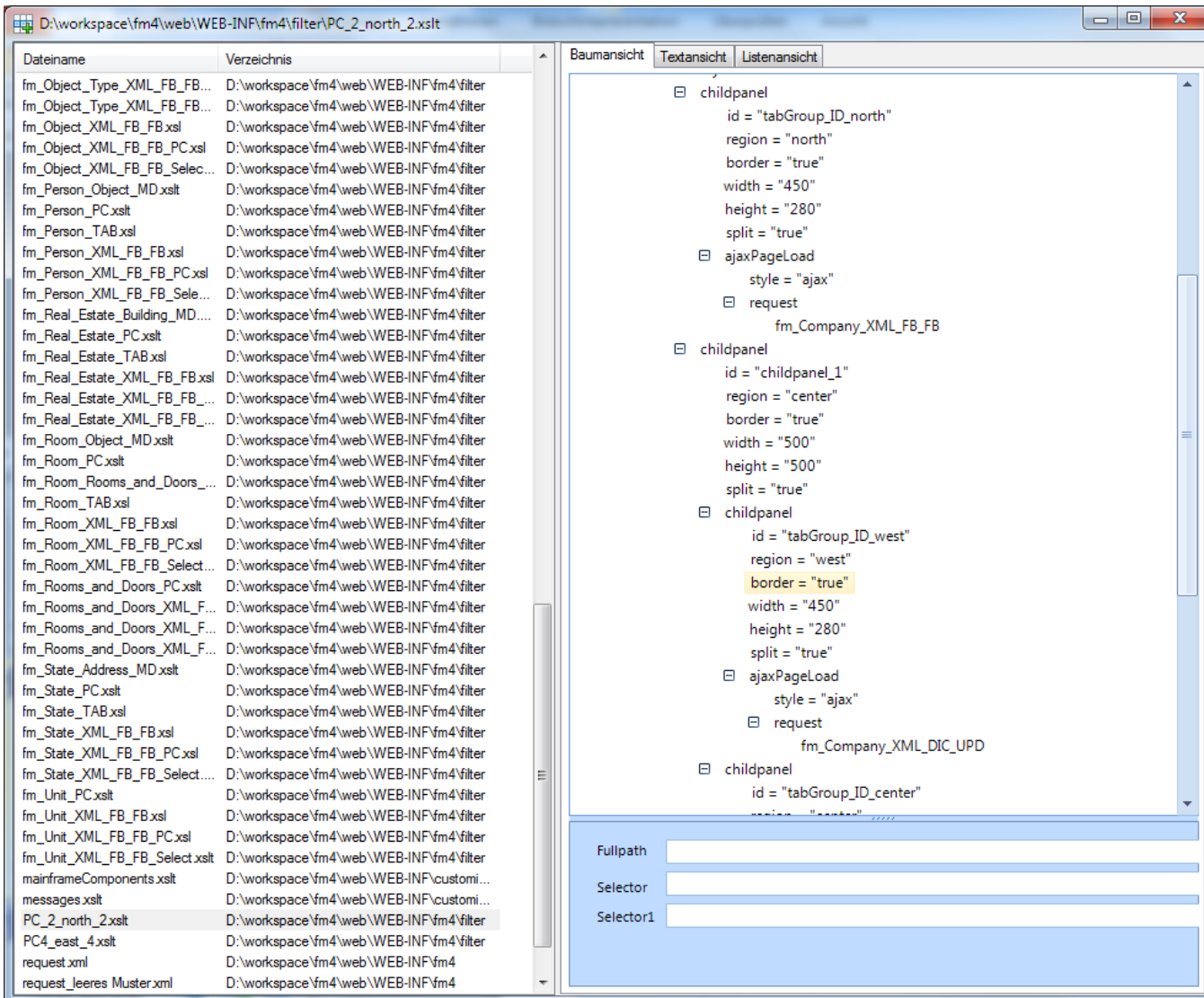
(c) 2012 TE@MCONSULT Ltd.

Automatische Navigation zu jeder generierten Aufruf der Applikation, um die Information in die PlexXML-Datenbank schreiben zu lassen



Unterschiedliche Aspekte von Tools4Plex

Haupt Prozesse → Menu PlexXML → XMLfiles



The screenshot displays the Tools4Plex application interface. On the left, a file explorer shows a list of files and folders, including various XML and XSLT files. The right pane shows a tree view of the XML structure, with the following content:

```
childpanel
  id = "tabGroup_ID_north"
  region = "north"
  border = "true"
  width = "450"
  height = "280"
  split = "true"
  ajaxPageLoad
    style = "ajax"
    request
      fm_Company_XML_FB_FB
  childpanel
    id = "childpanel_1"
    region = "center"
    border = "true"
    width = "500"
    height = "500"
    split = "true"
  childpanel
    id = "tabGroup_ID_west"
    region = "west"
    border = "true"
    width = "450"
    height = "280"
    split = "true"
    ajaxPageLoad
      style = "ajax"
      request
        fm_Company_XML_DIC_UPD
  childpanel
    id = "tabGroup_ID_center"
    region = "center"
    border = "true"
    width = "450"
    height = "280"
    split = "true"
    ajaxPageLoad
      style = "ajax"
      request
        fm_Company_XML_FB_FB
```

Below the tree view, there are input fields for Fullpath, Selector, and Selector1.

Lassen Sie sich alle generierten xml, xsl/xslt-Dateien und den generierten Code anzeigen

Unterschiedliche Aspekte von Tools4Plex

Haupt Prozesse → Menu PlexXML → XMLMenu

The screenshot displays the XMLMenu application interface. On the left, there is a table with columns 'Index', 'Value', and 'Count'. The table contains various menu items, with 'fm_Floor_XML_FB_FB' selected. On the right, there are two panels: 'Menu Treeview' and 'Menu Gridview'. The 'Menu Treeview' panel shows a hierarchical tree structure of menu items, including 'MyDevMenu', 'AllDialog', 'FindBrowse', and various sub-items like 'fm_Address', 'fm_Area_Type', etc. The 'Menu Gridview' panel shows a flat list of menu items with their IDs.

Index	Value	Count
1	fm_Address_XML_FB_FB	2
13	fm_Address_XML_FB_FB_PC	2
17	fm_Address_XML_FB_FB_Select	2
21	fm_Area_Type_XML_FB_FB	1
29	fm_Area_Type_XML_FB_FB_PC	1
33	fm_Area_Type_XML_FB_FB_Select	1
37	fm_Building_XML_FB_FB	1
45	fm_Building_XML_FB_FB_PC	1
49	fm_Building_XML_FB_FB_Select	1
53	fm_Company_XML_FB_FB	1
79	fm_Company_XML_FB_FB_PC	1
83	fm_Company_XML_FB_FB_Select	1
87	fm_Country_XML_FB_FB	1
95	fm_Country_XML_FB_FB_PC	1
99	fm_Country_XML_FB_FB_Select	1
103	fm_Door_XML_FB_FB	1
111	fm_Door_XML_FB_FB_PC	1
115	fm_Door_XML_FB_FB_Select	1
119	fm_Floor_XML_FB_FB	1
127	fm_Floor_XML_FB_FB_PC	1
131	fm_Floor_XML_FB_FB_Select	1
147	fm_Object_Type_XML_FB_FB	1
155	fm_Object_Type_XML_FB_FB_PC	1
159	fm_Object_Type_XML_FB_FB_Se...	1
135	fm_Object_XML_FB_FB	1
139	fm_Object_XML_FB_FB_PC	1
143	fm_Object_XML_FB_FB_Select	1

Erstellen aller Menü-
einträge für den
ersten Test – mit
einem Klick.

Danach können
diese per drag `n
drop zu den richtigen
Menüs verschoben
werden.

Unterschiedliche Aspekte von Tools4Plex

Haupt Prozesse → Menu PlexXML → XMLFormat

XMLFormat-Builder

File View http://localhost:8080/fm4/ Create Combobox Create Hyperlink Save Active Format Save Fields Save Group Action

Browser Fields

Drag a column here to group by this column.

ObjID	ObjName	ObjType	ObjTypeAsText	ObjFullName	IsObjModifiable	FidImplNme	SeqRow	Fr
291055144	AddressID	6	Field	Field: fm4App/AddressID	<input type="checkbox"/>	AddressID	1000	1
291109024	PostCode	6	Field	Field: fm4App/PostCode	<input type="checkbox"/>	PostCode	1100	1
291099904	City	6	Field	Field: fm4App/City	<input type="checkbox"/>	City	1200	1

Drag a column here to group by this column.

FrmFunc	FrmForm	FrmVar	FrmFld	Transl	FrmFSet	FrmLov	SeqRow	F
fm4Web973079862	Master	XMLOutput	AddressID	AddressID	1 0		1000	1
fm4Web973079862	Master	XMLOutput	City	City	1 0		1200	0
fm4Web973079862	Master	XMLOutput	Comment	Comment	1 0		1600	0
fm4Web973079862	Master	XMLOutput	CountryCodeISO	CountryCode	10 0		2000	0
fm4Web973079862	Master	XMLOutput	CountryID	CountryID	10 0		1700	0
fm4Web973079862	Master	XMLOutput	CountryName	CountryName	10 0		1900	0
fm4Web973079862	Master	XMLOutput	Postbox	Postbox	1 0		1400	0
fm4Web973079862	Master	XMLOutput	Postbox_PostCode	Postbox_PostCode	1 0		1500	0

Drag a column here to group by this column.

FrmFunc	FrmForm	FrmTty	FrmTNb	Transl
fm4Web973079862	Master	S	1	fm_Address
fm4Web973079862	Master	S	10	fm_State

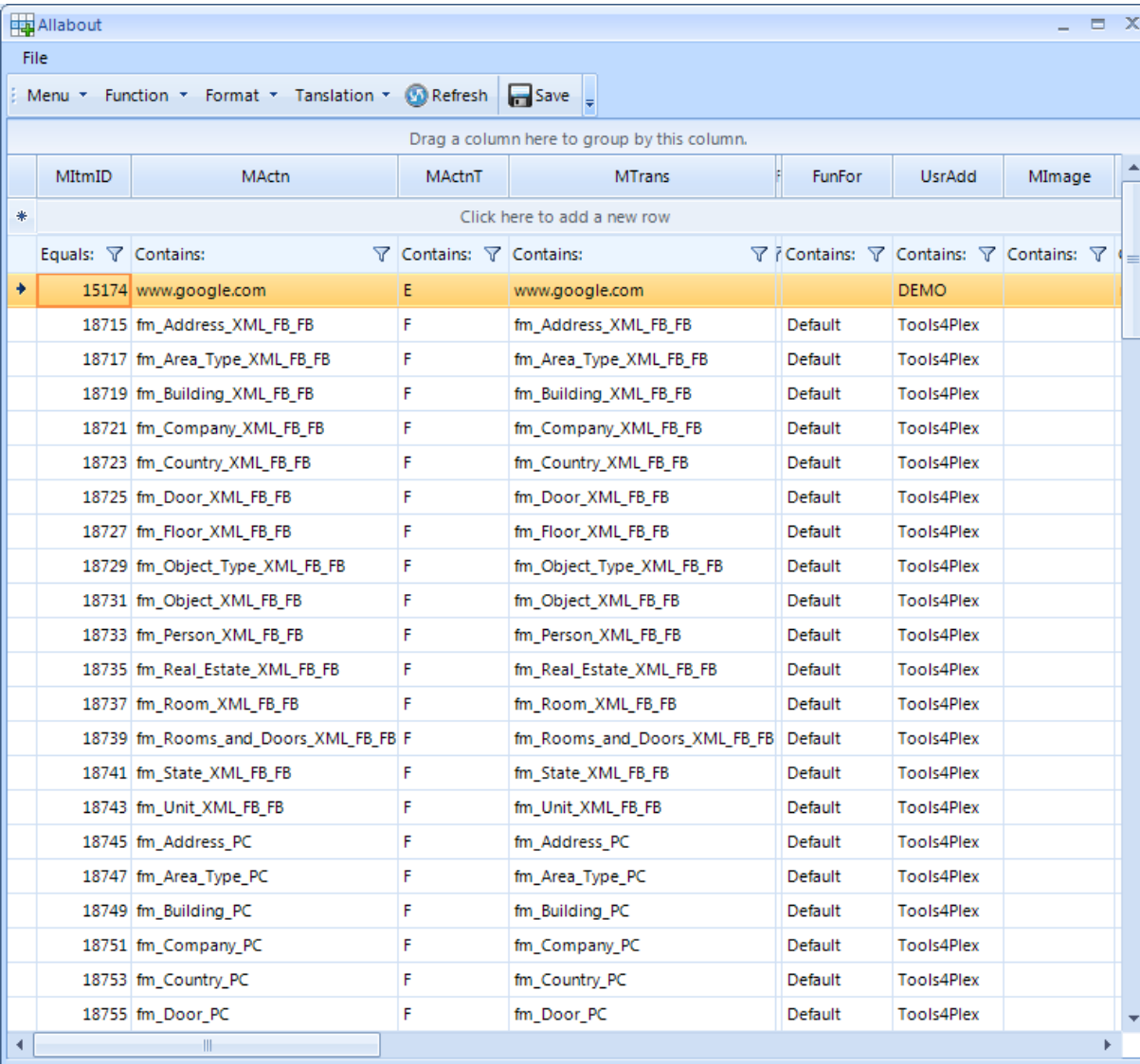
Die Übersicht von generierten Funktionen und Formaten.

Auswahl der Formate, für die Comboboxen und/oder Hyperlinks erstellt werden sollen.



Unterschiedliche Aspekte von Tools4Plex

Haupt Prozesse → Menu PlexXML → XMLAllabout



The screenshot shows the XMLAllabout application window. The title bar reads 'Allabout'. The menu bar includes 'File', 'Menu', 'Function', 'Format', 'Tanslation', 'Refresh', and 'Save'. Below the menu bar is a toolbar with a 'Refresh' button and a 'Save' button. The main area contains a table with the following columns: MltmID, MActn, MActnT, MTrans, FunFor, UsrAdd, and MImage. The table has a header row and a data row highlighted in yellow. The data row contains the following values: 15174, www.google.com, E, www.google.com, DEMO, and an empty cell. Below the data row are many other rows with similar structure, representing various PlexXML objects.

MltmID	MActn	MActnT	MTrans	FunFor	UsrAdd	MImage
*	Click here to add a new row					
↳ 15174	www.google.com	E	www.google.com		DEMO	
18715	fm_Address_XML_FB_FB	F	fm_Address_XML_FB_FB	Default	Tools4Plex	
18717	fm_Area_Type_XML_FB_FB	F	fm_Area_Type_XML_FB_FB	Default	Tools4Plex	
18719	fm_Building_XML_FB_FB	F	fm_Building_XML_FB_FB	Default	Tools4Plex	
18721	fm_Company_XML_FB_FB	F	fm_Company_XML_FB_FB	Default	Tools4Plex	
18723	fm_Country_XML_FB_FB	F	fm_Country_XML_FB_FB	Default	Tools4Plex	
18725	fm_Door_XML_FB_FB	F	fm_Door_XML_FB_FB	Default	Tools4Plex	
18727	fm_Floor_XML_FB_FB	F	fm_Floor_XML_FB_FB	Default	Tools4Plex	
18729	fm_Object_Type_XML_FB_FB	F	fm_Object_Type_XML_FB_FB	Default	Tools4Plex	
18731	fm_Object_XML_FB_FB	F	fm_Object_XML_FB_FB	Default	Tools4Plex	
18733	fm_Person_XML_FB_FB	F	fm_Person_XML_FB_FB	Default	Tools4Plex	
18735	fm_Real_Estate_XML_FB_FB	F	fm_Real_Estate_XML_FB_FB	Default	Tools4Plex	
18737	fm_Room_XML_FB_FB	F	fm_Room_XML_FB_FB	Default	Tools4Plex	
18739	fm_Rooms_and_Doors_XML_FB_FB	F	fm_Rooms_and_Doors_XML_FB_FB	Default	Tools4Plex	
18741	fm_State_XML_FB_FB	F	fm_State_XML_FB_FB	Default	Tools4Plex	
18743	fm_Unit_XML_FB_FB	F	fm_Unit_XML_FB_FB	Default	Tools4Plex	
18745	fm_Address_PC	F	fm_Address_PC	Default	Tools4Plex	
18747	fm_Area_Type_PC	F	fm_Area_Type_PC	Default	Tools4Plex	
18749	fm_Building_PC	F	fm_Building_PC	Default	Tools4Plex	
18751	fm_Company_PC	F	fm_Company_PC	Default	Tools4Plex	
18753	fm_Country_PC	F	fm_Country_PC	Default	Tools4Plex	
18755	fm_Door_PC	F	fm_Door_PC	Default	Tools4Plex	

Zentrale Sicht von PlexXML Tabellen. Menüs, Funktionen, Formate und für die Übersetzungen.

← Beispiel Menüs: Hier sind alle Menüeinträge zu sehen, die **Tools4Plex** erstellt hat.



Über Tools4Plex...

- Die Produktivitäts-Suite für CA Plex
- Die Story hinter dem Werkzeug
- Was steht zur Verfügung
- Was kommt als Nächstes?



Über Tools4Plex...

Was kommt als Nächste?

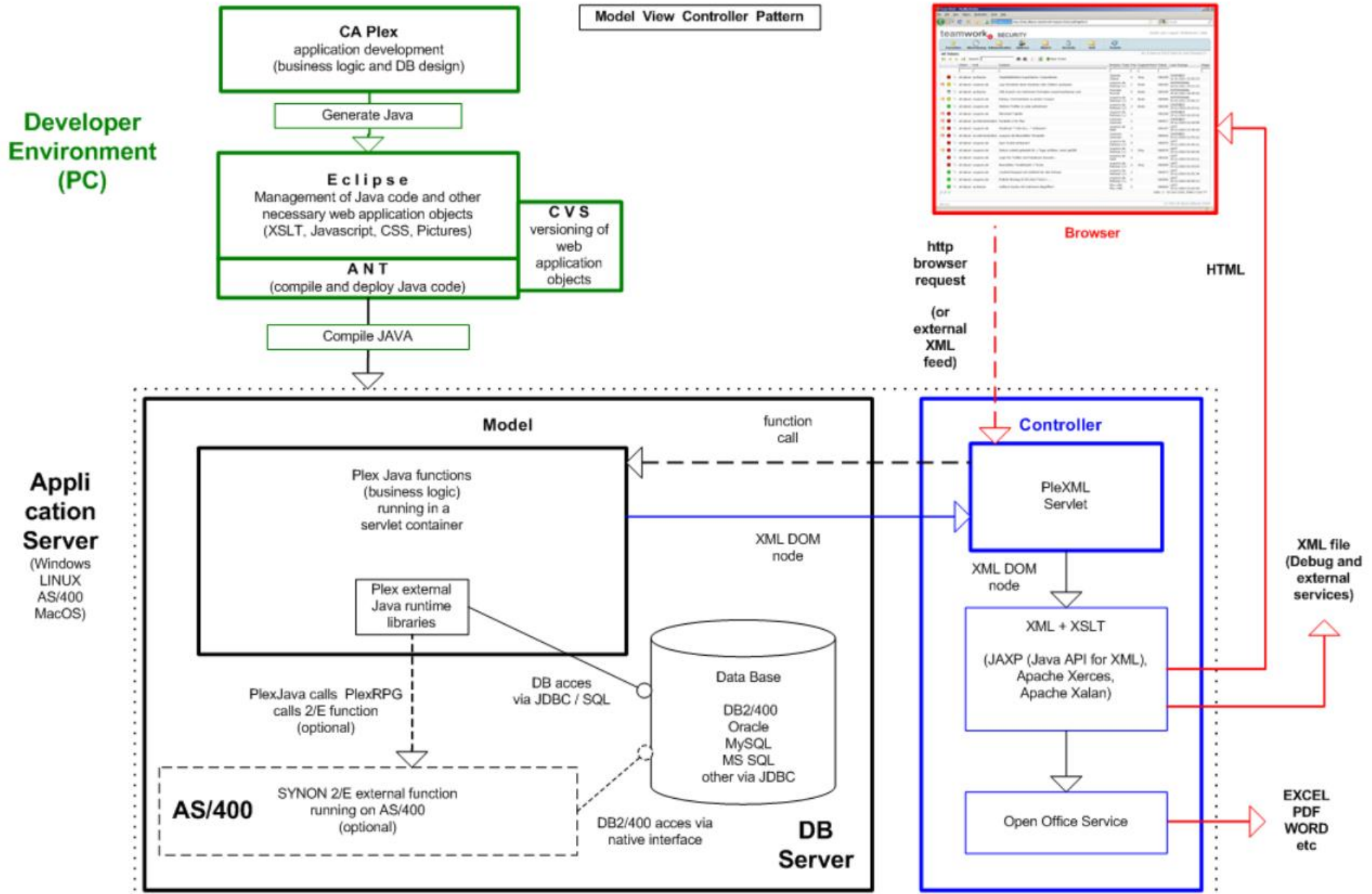
Die Integration von weiteren Präsentationsschichten geht weiter...

Wer möchte der Erste sein?

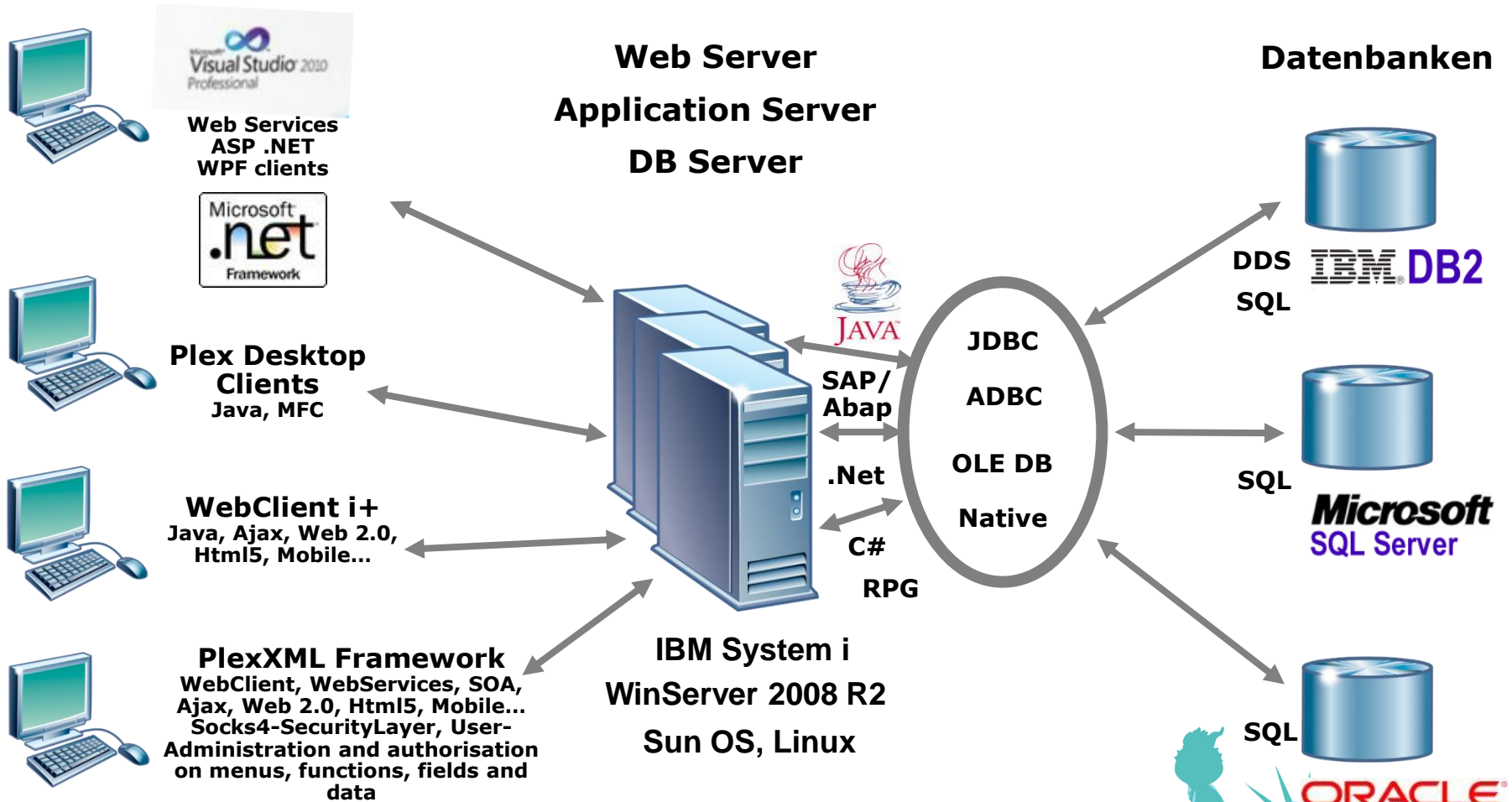
Danke für Ihre Geduld !

Plex-XML Environment

January 2011



Possible platforms



Speakers Bio

Name: Axel Oberländer
Developer: since 1983
CA 2E: since 1988
CA Plex: since 1995 (Obsydian r1.02)
Club Lava Member#: 32

Mail: axel.oberlaender@teamconsult.de
URL: www.teamconsult.de/tsd

Co-Speakers Bio

Name: James D. Ryan
Developer: since 1981
CA 2E: since 1987
CA Plex: since 1995 (Obsydian r1.02)

Mitarbeiter TSD(Gruppe)

9+(30)

- 5(12) Entwicklung
- 2(4) Beratung und Services
- 1(3) Marketing und Sales
- 1(3) Backoffice

•4(8) externe Mitarbeiter

Zugriff auf
•50 + externe Spezialisten

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5 in D, CH and I

Kunden

> 70 Firmen / Organisationen, in D-I-CH

