

IT'S MORE THAN JUST THE LANGUAGE

Lúcio Ferrão
OutSystems



2001

Internet Bubble



Paulo Rosado







6 Months later



Funded from NeSBIC

2002



Manifesto for Agile Software Development

We are uncovering better ways of developing software by doing it and helping others do it.
Through this work we have come to value:

Individuals and interactions over processes and tools
Working software over comprehensive documentation
Customer collaboration over contract negotiation
Responding to change over following a plan

That is, while there is value in the items on the right, we value the items on the left more.

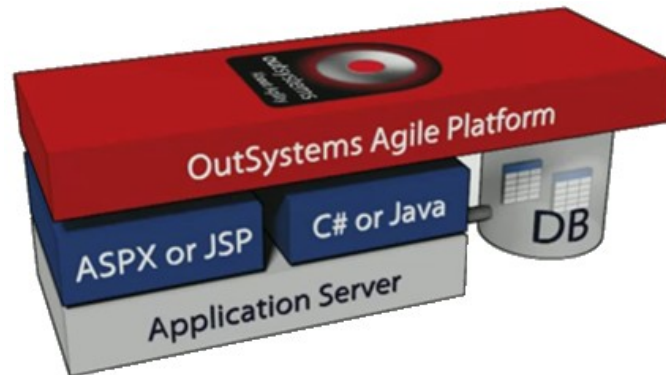
- Working Software
- Human
- Simple

agileplatform

Development Tool (service studio)



Operational Console (service center)



Cloud-Ready Server

Deliver custom enterprise web apps, the better way.

Overview

Fast Development and Change

Enterprise Grade Platform

Standard Architecture

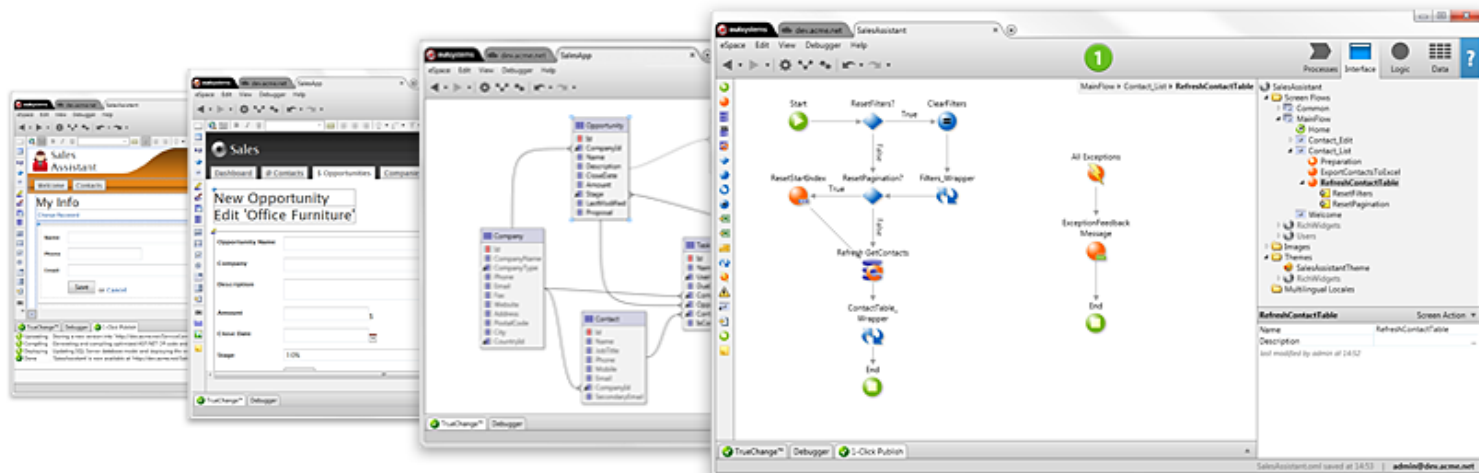
Fit to Your IT Process

Get Started!

Editions and Pricing

Free Download

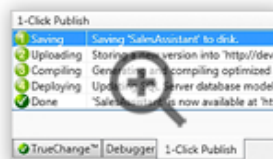
Tutorials and How-tos



The Agile Platform™ allows you to develop and change enterprise web apps faster, on a standard .Net or Java architecture, without locking you into proprietary technology.



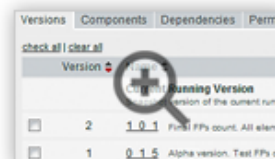
Develop and change applications very fast with minimal training



Develop rock solid and secure apps easily, and deploy them in minutes



Integrate and extend your apps using your technology standards



Manage the entire life cycle of your apps using one unified environment

agileplatform

20.900 Installations Worldwide

6.100 Community Members

200 Customers

59 Partners

700 Projects

130 Employees

Demo



Expenses

Create, submit and approve expenses

Log in to your account

Username

Password

☒ Remember login

Login

Click to log in as a sample user

[Log in as Patricia P. Wesley](#)

Approver

[Log in as Eddie R. Riedel](#)

Employee

[Log in as Kelsie R. Ramirez](#)

Employee

[Log in as Clark G. Parsons](#)

Financial Controller

[Home](#)[To Approve](#)[All Expenses](#)[My Expenses](#)

Expenses to Approve

Kelsie R. Ramirez	Package decision Submitted: 20 Jun	\$5.45
Clark G. Parsons	Startup meeting Submitted: 21 Jun	\$11.50
Eddie R. Riedel	Meeting with integrator Gluelt Submitted: 28 Jun	\$578.00

[See All](#)

New Expense Report

Pending Expenses

No expense reports to show...

Built with the OutSystems **agile**platform

Amount
me

\$0

[Import your](#)

3



[Home](#)[To Approve](#)[All Expenses](#)[My Expenses](#)

Expenses to Approve

Kelsie R. Ramirez	Package decision Submitted: 20 Jun	\$5.45
Clark G. Parsons	Startup meeting Submitted: 21 Jun	\$11.50
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[See All](#)

New Expense Report

Pending Expenses

No expense reports to show...

Amount
me

\$0

ort your

Taskbox



3 Activities

[Approve Expense](#)

'Startup meeting' by Clark G. Parsons

[Approve Expense](#)

'Package decision' by Kelsie R. Ramirez

[Approve Expense](#)

'Meeting with integrator Gluelt ' by Eddi...



Built v

[Home](#)[To Approve](#)[All Expenses](#)[My Expenses](#)[Create New Expense Report](#)[Print](#)**Uploaded Receipts**[Train tickets](#)

Startup meeting [Submitted]

by Clark G. Parsons

Submitted on 2011-06-21

#	Date	Type	Amount	Project	Description	Total
1	19 Jun	Other	11.5		Train tickets	\$11.50
						\$11.50

 or [Reject](#)

Approve Expense



'Startup meeting' by Clark G. Parsons

"Review and approve expense report"

Built with the OutSystems **agile**

[Home](#)[To Approve](#)[All Expenses](#)[My Expenses](#)

Startup meeting [Submitted]

by Clark G. Parsons

Submitted on 2011-06-21

#	Date	Type	Amount	Description	Total
1	19 Jun	Other	11.5		\$11.50
					\$11.50

[Approve](#) or [Reject](#)

Feedback

- ① Click on the screen to mark the point you refer in your feedback, if any.
- ② Type your feedback in the box below.

I need a description for expenses

☒ Send Screen Content

[Send](#)

[Create New Expense Report](#)[Print](#)**Uploaded Receipts**[Train tickets](#)

Approve Expense

'Startup meeting' by Clark G. Parsons

"Review and approve expense report"

Feedback List

[Export to Excel](#)

in (All fields) ▾

☐ Show hidden

Search

Reset

[More options... \[+\]](#)

	Id	Message	User's Name	Submitted at
<div>+ OPEN << HIDE</div>	3	I need a description for expen ... Expenses	Patricia P. Wesley patricia.wesley@observeeverything.example	23:37 (just now)

Startup meeting [Submitted]

by Clark G. Parsons

Submitted on 2011-06-21

#	Date	Type	Amount	Amount	Description	Total
1	19 Jun	Other	1			\$11.50
						\$11.50

Approve

 or [Reject](#)

From: Patricia P. Wesley
(patricia.wesley@observeeverything.example)

Message: I need a description for expenses

[Create New Expense Report](#)

[Print](#)

Uploaded Receipts
[Train tickets](#)

Approve Expense

'Startup meeting' by Clark G. Parsons

"Review and approve expense report"

- Overview
- Feedback List
- Rules
- Configuration

Feedback List

Export to Excel

in (All fields) ▾ ☐ Show hidden [More options... \[+\]](#)

	Id	Message	User's Name	Submitted at
 <input type="button" value="+ OPEN"/> <input type="button" value="HIDE"/>	3	I need a description for expen ... Expenses	Patricia P. Wesley patricia.wesley@observeeverything.example	23:37 (just now)

outsystemslocalhostExpenses

eSpaceEditViewDebuggerHelp

ProcessesInterfaceLogic

DashboardDashboard_FinanceDashboard_ManagerExpenseReport_EditExpenseReportIdReportTitleEmptyExpenseItemGrandTotal2DeletedIdsListFileDescriptionFileNamePreparationAddMoreRowsDeleteExpenseItemOnDistanceCalculatorOnProjectNotifySaveReportUpdateTotalExpenseReport_FinancePExpenseReport_FinanceVExpenseReport_ListAllExpenseReport_ListMineExpenseReport_ManagerExpenseReport_PrintExpenseReport_Show

ExpensesExpenseReport_Show

ApplicationLogged as u

HomeTo ApproveTo ValidateTo PayAll ExpensesMy Expenses

Trip to Security Expo [Draft]

by Andre Madeira

Approved by João Proença on 2011-01-01

#	Date	Type	Amount	Project	Description	Total
1	8 Oct(5 days ago)	Meals	Amount	nights X \$250.00	Project Code	Description
						\$234.50

Enter Rejection Comment

TrueChange™Debugger

Hidden WarningsThere are 4 hidden warnings.

OkThe eSpace is valid.

TrueChange™

Expenses uploaded yesterday at 08:49 | admin

outsystemslocalhostExpenses

eSpaceEditViewDebuggerHelp

Expenses

HomeTo ApproveTo ValidateTo PayAll ExpensesMy Expenses

Trip to Security Expo [Draft]by Andre Madeira

Approved by João Proença on 2011-01-01

#	Date	Type	Amount
1	8 Oct(5 days ago)	Meals	Amount nights X \$25

Enter Rejection Comment

Expenses > ExpenseReport_Show

ApplicationLogged as u:

Expenses

Entity Diagrams

Entities

ExpenseItem

ExpenseParameter

ExpenseReport

Id

Title

EmployeeId

Total

CreatedOn

SubmittedOn

ExpenseReportStatusId

ApprovedBy

ApprovedOn

ValidatedBy

ValidatedOn

PaidBy

PaidOn

RejectedBy

RejectionComment

LastUpdatedBy

LastUpdatedOn

CreateExpenseReport

CreateOrUpdateExpenseReport

Add Entity Attribute

Convert to Static Entity

Find UsagesF12

Find Usages in all eSpaces

Download all 'ExpenseReport' Consumers...

Refresh 'ExpenseReport' in all open Consumers

CutCtrl+X

CopyCtrl+C

PasteCtrl+V

DeleteDel

RenameF2

Create Action to Bootstrap Data from Excel...

Import Image for 'ExpenseReportPicture' Entity...

More...

TrueChange™

Debugger

Hidden WarningsThere are 4 hidden warnings.

OkThe eSpace is valid.

TrueChange™

Expenses uploaded yesterday at 08:49 | admin@localhost

outsystems

localhost

* Expenses

eSpaceEditViewDebuggerHelp

1

ProcessesInterfaceLogic

Data

Expenses

HomeTo ApproveTo ValidateTo PayAll ExpensesMy Expenses

New Expense Report

Edit 'Title'

Rejected by Mike Patton

Title

<FakeNotifyWidget> <FakeNotifyWidget>

#	Date	Type	Amount	Project
1	<div>14</div>	Meals	\$	

Calculate Distance

TrueChange™

Debugger

Hidden Warnings

There are 4 hidden warnings.

Ok

The eSpace is valid.

TrueChange™

Expenses uploaded yesterday at 08:49 | admin@localhost

ExpenseParameterExpenseReport

Id

Title

EmployeeId

Total

CreatedOn

SubmittedOn

ExpenseReportStatusId

ApprovedBy

ApprovedOn

ValidatedBy

ValidatedOn

PaidBy

PaidOn

RejectedBy

RejectionComment

LastUpdateBy

LastUpdateOn

Description

CreateExpenseReport

CreateOrUpdateExpenseReport

UpdateExpenseReport

GetExpenseReport

GetExpenseReportForUpdate

DescriptionEntity Attribute

Name	Description
Description	
Data Type	Text
Length	500
Decimals	
Is AutoNumber	No
Is Mandatory	No
Delete Rule	Protect
Default Value	
Label	Description

outsystemslocalhost

* Expenses

eSpaceEditViewDebuggerHelp

1

ProcessesInterfaceLogicData

Expenses

HomeTo ApproveTo ValidateTo PayAll ExpensesMy Expenses

New Expense Report

Edit 'Title'

Rejected by Mike Patton

Title

Description

<FakeNotifyWidget> <FakeNotifyWidget>

#	Date	Type	Amount	Project
---	------	------	--------	---------

ExpenseParameterExpenseReport

IdTitleEmployeeIdTotalCreatedOnSubmittedOnExpenseReportStatusIdApprovedByApprovedOnValidatedByValidatedOnPaidByPaidOnRejectedByRejectionCommentLastUpdatedByLastUpdatedOnDescription

CreateExpenseReportCreateOrUpdateExpenseReportUpdateExpenseReportGetExpenseReportGetExpenseReportForUpdate

Row

Name	
Style	
Extended Properties	
Name 1	
Value 1	

TrueChange™

Debugger

Hidden WarningsThere are 4 hidden warnings.

OkThe eSpace is valid.

TrueChange™

Expenses uploaded yesterday at 08:49 | admin@localhost

outsystems

localhost

* Expenses

eSpace

Edit

View

Debugger

Help

1

Processes

Interface

Logic

Data

Expenses

Home

To Approve

To Validate

To Pay

All Expenses

My Expenses

Trip to Security Expo [Draft]

by Andre Madeira

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#	Date	Type	Amount	Project	Description	Total
1	8 Oct(5 days ago)	Meals	Amount	nights X \$250.00	Project Code	Description
						\$234.50

Enter Rejection Comment

Application

Logged as u

ExpenseParameter

ExpenseReport

Id

Title

EmployeeId

Total

CreatedOn

SubmittedOn

ExpenseReportStatusId

ApprovedBy

ApprovedOn

ValidatedBy

ValidatedOn

PaidBy

PaidOn

RejectedBy

RejectionComment

LastUpdatedBy

LastUpdatedOn

Description

CreateExpenseReport

CreateOrUpdateExpenseReport

UpdateExpenseReport

GetExpenseReport

GetExpenseReportForUpdate

Description	Entity Attribute
Name	Description
Description	...
Data Type	Text
Length	500
Decimals	
Is AutoNumber	No
Is Mandatory	No
Delete Rule	Protect
Default Value	
Label	Description

TrueChange™

Debugger

Hidden Warnings

There are 4 hidden warnings.

Ok

The eSpace is valid.

TrueChange™

Expenses uploaded yesterday at 08:49 | admin@localhost

outsystems

localhost

Expenses

eSpace

Edit

View

Debugger

Help

1

Processes

Interface

Logic

Data

Expenses

ExpenseReport_Edit

Home

To Approve

To Validate

To Pay

All Expenses

My Expenses

New Expense Report

Edit 'Title'

Rejected by Mike Patton

Title

Description

<FakeNotifyWidget>

<FakeNotifyWidget>

#

Date

Type

Amount

Project

TrueChange™

Debugger

1-Click Publish

2 Compiling

3 Database Integrity Suggestion

Outdated Producer

Outdated Producer

3 Deploying

Generating and compiling optimized ASP.NET C# code and creating SQL scripts.

Inconsistent database table and entity definitions: column 'OSUSR_7jw_ExpenseReport.NOTES' e...

Producer eSpace 'ExpensesSampleData' uses outdated references. Please republish 'ExpensesSa...

Producer eSpace 'ExpensesSampleData' uses outdated references. Please republish 'ExpensesSa...

Updating SQL Server database model and deploying the web application to IIS.

Stop

Expenses

ExpenseParameter

ExpenseReport

Id

Title

EmployeeId

Total

CreatedOn

SubmittedOn

ExpenseReportStatusId

ApprovedBy

ApprovedOn

ValidatedBy

ValidatedOn

PaidBy

PaidOn

RejectedBy

RejectionComment

LastUpdatedBy

LastUpdatedOn

Description

CreateExpenseReport

CreateOrUpdateExpenseReport

UpdateExpenseReport

GetExpenseReport

GetExpenseReportForUpdate

Row

Name

Style

Extended Properties

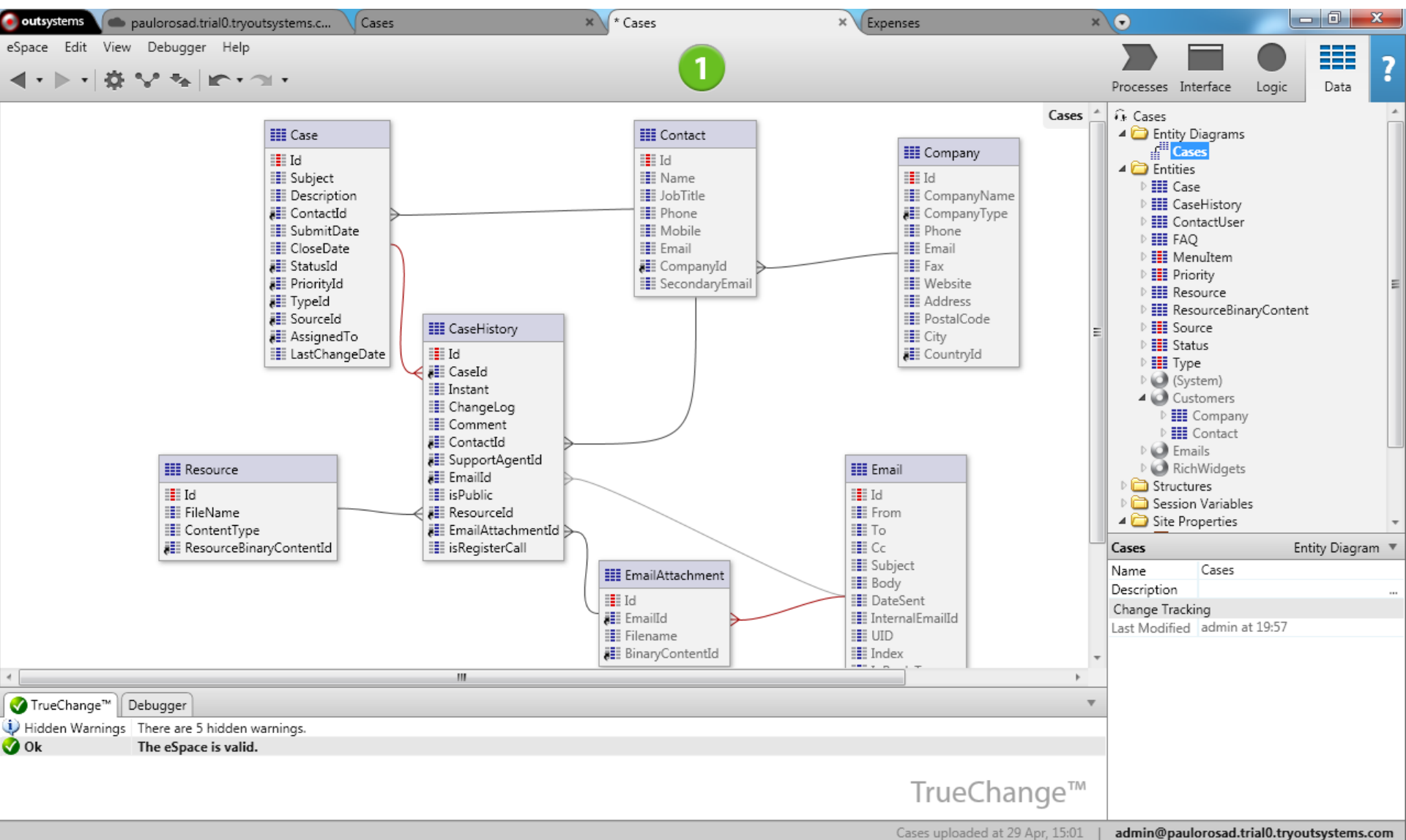
Name 1

Value 1

Expenses uploaded at 23:52

admin@localhost

Visual Database Model



Visual User Interface Editor

The screenshot displays the Visual User Interface Editor (VUE) environment. The main canvas shows a web application layout for a sales system. The top navigation bar includes links for Dashboard, @ Contacts, \$ Opportunities, and Companies. The main content area features a contact profile for Maria Anders @ Acme, inc., with fields for Job Title, Company, Phone, and Email. Below the profile is a table titled "Pending Opportunities with Acme, inc." with columns for Item, Due Date, and Amount. The right-hand sidebar contains a tree view of the application structure, including folders for Layout, Menu, ExternalURL, ContactsAndCompanies, Contact_Edit, Contact_List, Contact_Show, and MainFlow. The bottom status bar shows the TrueChange logo and a message indicating the eSpace is valid.

Application Structure (Tree View):

- Layout_email
- Layout_Normal
- Layout_Popup
- LoginInfo
- Menu
- ExternalURL
- ContactsAndCompanies
 - Company_Edit
 - Company_FullHistory
 - Company_List
 - Company_Show
 - Contact_Edit
 - ContactId
 - CompanyId
 - CancelURL
 - Preparation
 - AutoCompleteCompany
 - ChangePicture
 - Save
 - Contact_Import
 - Contact_List
 - Preparation
 - RefreshContactTable
 - Contact_Show
- MainFlow
 - Home
 - AccountManager_SetupQuotas
 - Dashboard
 - Dashboard_SalesManager
 - Opportunities_ListClosed
 - Preparation
 - RefreshOpportunitiesTable

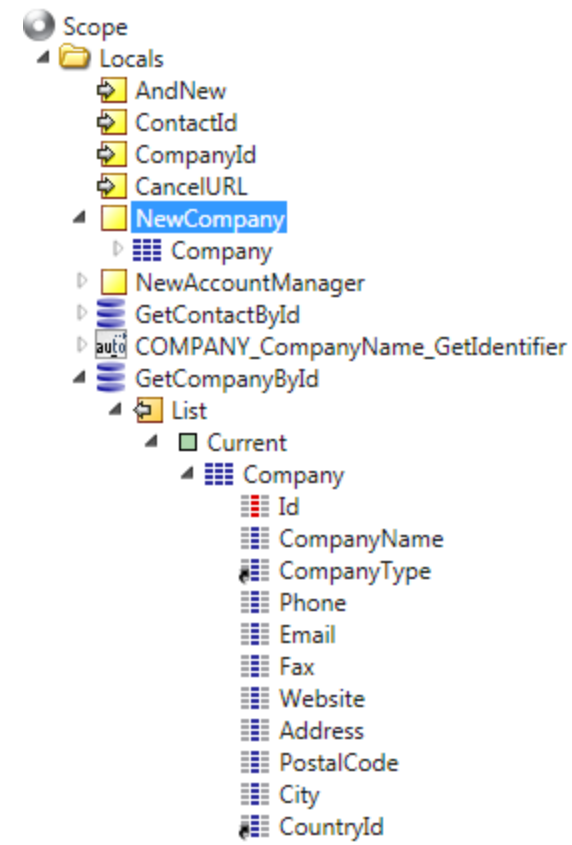
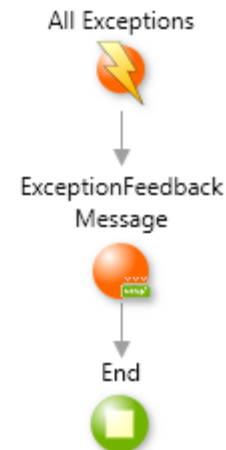
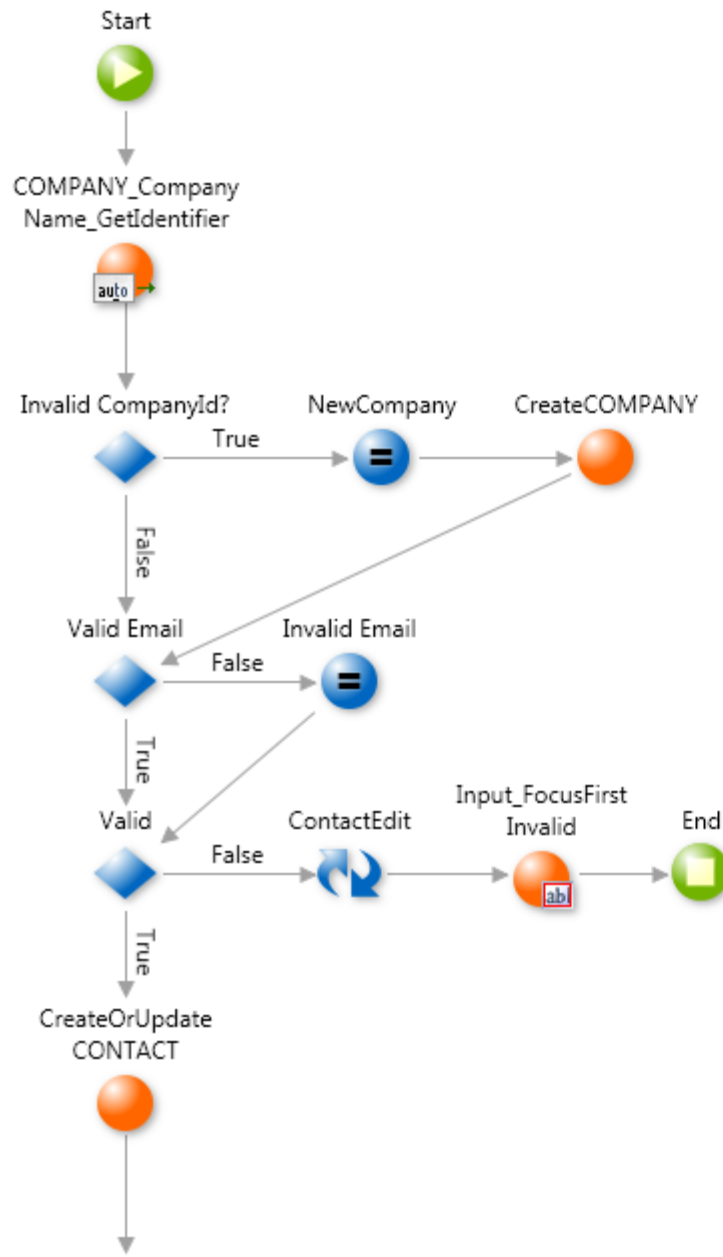
Properties Panel (Contact_Show):

Property	Value
Visible	True
Enabled	True
Is Default	No
On Click	
Method	Navigate
Validation	(none)
Confirmation Message	
Destination	ContactsAndCompanies\Company_Show
CompanyId	ContactShow.Record.CompanyId
(New Argument)	
Extended Properties	
Name 1	
Value 1	

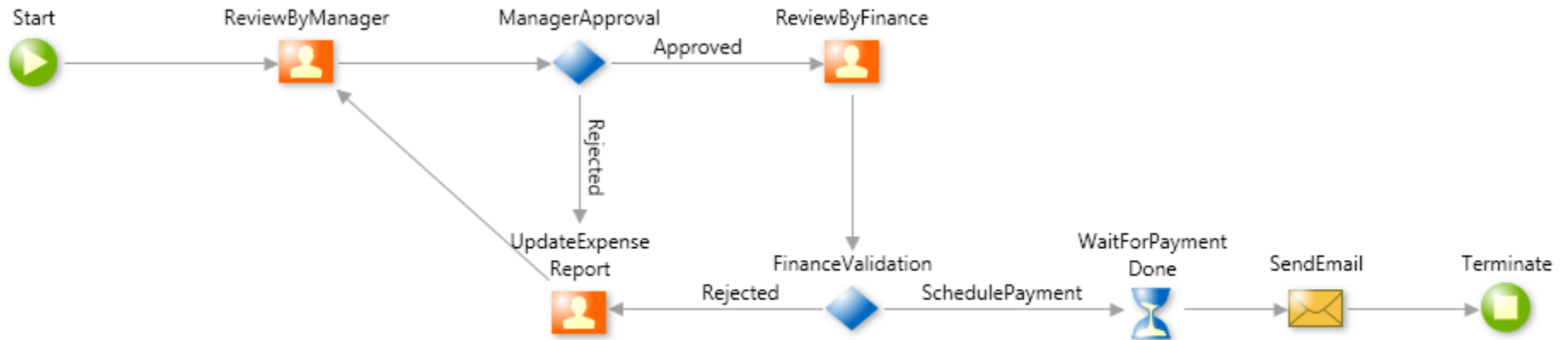
TrueChange™

Sales uploaded on 4 Oct at 16:28 by gmg | lef@vmsrvsoldev

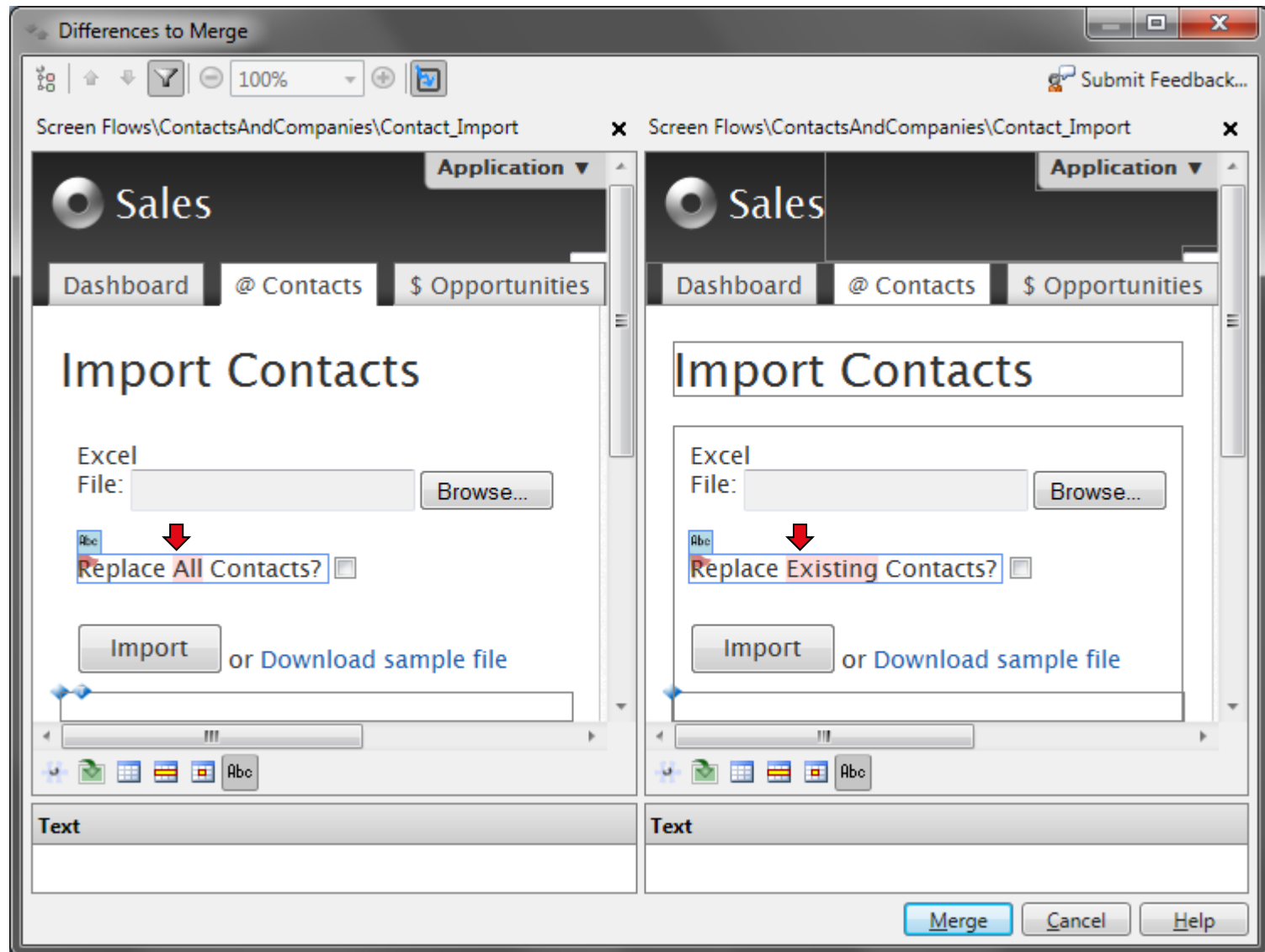
Visual Business Logic (Code)



Visual Process Workflow Editor



Visual Diff & Merge



Visual Debugger

The screenshot displays the OutSystems Visual Debugger interface. The top menu bar includes 'eSpace', 'Edit', 'View', 'Debugger', and 'Help'. The main workspace shows a flow diagram with nodes for 'Security Exception', 'All Exceptions', 'ExternalURL', 'NoPermission', 'InternalError', 'Footer', 'Menu', 'Company_List', 'Opport', 'InvalidPermissions', 'Login', 'LoginInfo', and 'MyInfo'. A red arrow indicates an exception path from 'NoPermission' to 'InvalidPermissions' and then to 'Login'. The right sidebar shows a file explorer with a tree structure under 'Sales' and 'Common', including 'Screen Flows' and 'ContactsAndCompanies'. The bottom panel is divided into 'Breakpoints', 'Users', 'In Use', 'Locals', 'Widgets', 'Session', 'Site', 'Watches', and 'Error Handler'. The 'Session' tab is active, showing a message: 'Session.ExceptionMessage "SalesManager role required"'. The 'Error Handler' tab shows a table with exception details.

Exception	Security Exception
Abort Transacti...	No
Log Error	No

Sales uploaded on 4 Oct at 16:28 by gmg | lef@vmsrvsoldev

Model Consistency

eSpace Edit View Debugger Help

1

Processes Interface Logic Data

Diagram 1

```
graph LR; ER[ExpenseReport] --> EI[ExpenseItem]; ER --> R[Receipt]; EI --> ET[ExpenseType]; R --> RB[ReceiptBin];
```

ExpenseReport

- Id
- Title
- EmployeeId
- Total
- CreatedOn
- SubmittedOn
- ExpenseReportStatusId
- ApprovedBy
- ApprovedOn
- ValidatedBy
- ValidatedOn
- PaidBy
- PaidOn
- RejectedBy
- RejectionComment
- LastUpdatedBy
- LastUpdatedOn

ExpenseItem

- Id
- ItemNumber
- ExpenseReportId
- ExpenseTypeId
- ProjectId
- Value
- Date
- Amount
- Description

ExpenseType

- Id
- Label
- Order
- Description

Receipt

- Id
- ExpenseReportId
- FileName
- MimeType
- UploadedOn
- FileDescription

ReceiptBin

- ReceiptId
- ReceiptContent

Expenses

- Entity Diagrams
 - Diagram 1
- Entities
 - ExpenseItem
 - Id
 - ItemNumber
 - ExpenseReportId
 - ExpenseTypeId
 - ProjectId
 - Value
 - Date
 - Amount
 - Description
 - CreateExpenseItem
 - CreateOrUpdateExpenseItem
 - UpdateExpenseItem
 - GetExpenseItem
 - GetExpenseItemForUpdate
 - DeleteExpenseItem
 - ExpenseParameter
 - ExpenseReport
 - ExpenseReportStatus
 - ExpenseType
 - MenuItem

Date Entity Attribute

Name	Date
Description	...
Data Type	Date
Length	
Decimals	
Is AutoNumber	No
Is Mandatory	No
Delete Rule	Protect
Default Value	
Label	Date

TrueChange™

Debugger Activity

Hidden Warnings There are 4 hidden warnings.

Ok The eSpace is valid.

Model Consistency

eSpace Edit View Debugger Help

Processes Interface Logic Data

Expenses ExpenseReport_Edit

Rejected by Mike Patton

Title

<FakeNotifyWidget> <FakeNotifyWidget>

#	Date	Type	Amount	Project
1		Meals	\$ nights X \$250.00	

Calculate Distance

<List_LateLoad: This web block's OnNotify action will run the first time the screen is loaded>

Add more rows

Save Draft Save & Submit or Cancel

Expenses

- Screen Flows
 - AdministrationFlow
 - Common
 - Exceptions
 - Expenses
 - ExpensesHome
 - Dashboard
 - Dashboard_Finance
 - Dashboard_Manager
 - ExpenseReport_Edit
 - ExpenseReport_FinancePayList
 - ExpenseReport_FinanceValidateList
 - ExpenseReport_ListAll
 - ExpenseReport_ListMine
 - ExpenseReport_ManagerApprove
 - ExpenseReport_Print
 - ExpenseReport_Show
 - Popup_DistanceCalculator
 - AmountOwedMe
 - CreateNewReport
 - DiscardExpenseReport
 - MyPendingEmployeeReportsList
 - PendingFinanceApprovalReportsList

ExpensesItem_ExpenseDate

Variable ExpenseItemTable.List.Cur

Parent Edit Re...

Mandatory False

Null Value #1900-01-01#

Max. Length 12

Width 12

Height 1

Style InputRightAligned

Visible True

Enabled True

TrueChange™ Debugger Activity

Invalid Variable Unknown variable in 'ExpensesItem_ExpenseDate' Input.

Invalid Expression Unknown object 'Date' in expression.

Invalid Expression Unknown object 'Date' in expression.

Invalid Expression Unknown object 'Date' in expression.

Invalid Expression Unknown object 'Date' in expression.

Invalid Expression Unknown object 'Date' in expression.

Invalid Expression Unknown object 'Date' in expression.

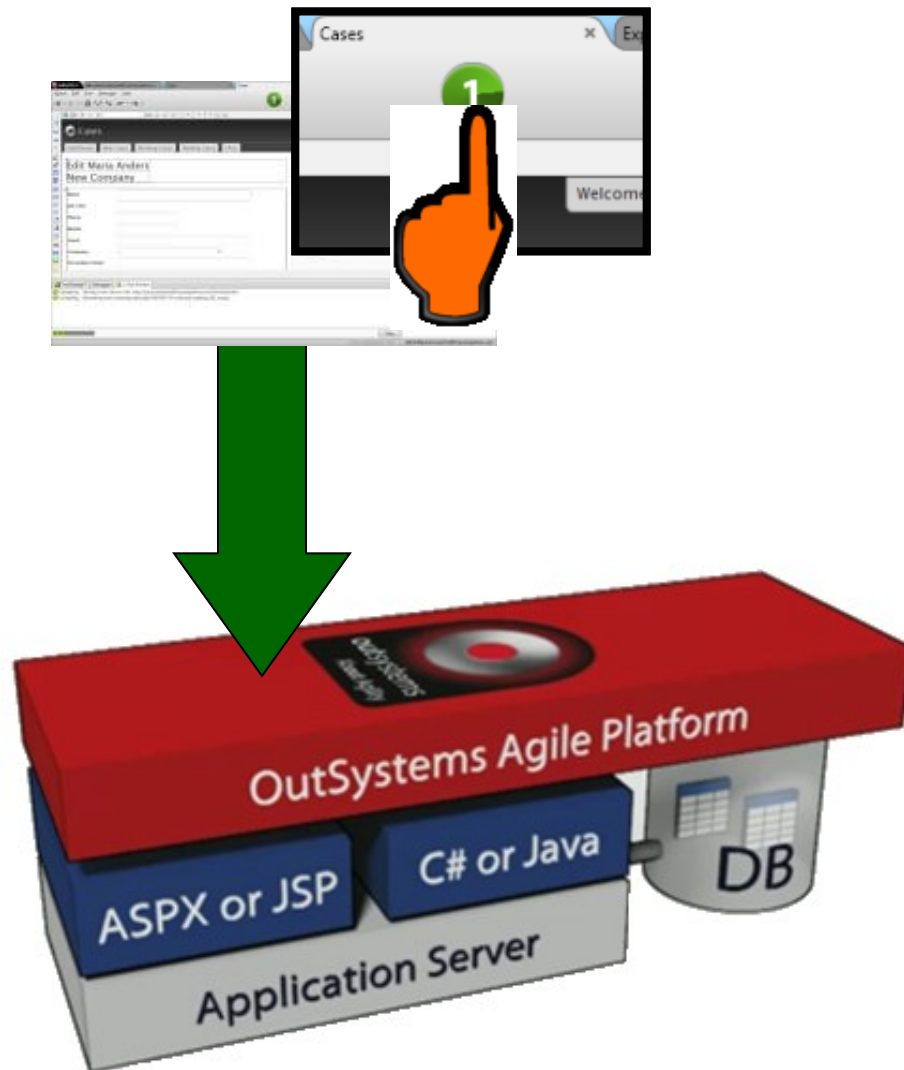
Invalid Expression Unknown object 'Date' in expression.

Invalid Expression Unknown object 'Date' in expression.

Hidden Warnings There are 4 hidden warnings.

Errors found The eSpace has 14 errors. Double-click the above messages to highlight the issue or right-click for more opt...

“1-Click Publish”



Why Visual?

- Describe Dependencies/Sequences/Parallelism
- Easy to capture and memorize
- Easy to spot complexity
- Simplify Knowledge Transfer

Why All-In-One?

- Minimize context switch
- Model Consistency
- Decrease “Technical Debt”

Why use a compiler?

- Optimize queries & code using dataflow analysis
- Strong static type validation
- Minimum runtime errors
- Runtime Scalability

Some Customers



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Subsidiary Companies
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ENTRE OS MELHORES
DO MUNDO.

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Na Escola do Porto foi onde aprendi técnicas e conhecimentos fundamentais para exercer na arte de bem receber. A sua formação teórica e prática facilitou-me decisivamente a en...

Mariana Lacerda
Directora Geral da Pousada do Freixo

A REDE ESCOLAR

Selecione...

AGENDA

- 27/09 18:30 - 31/12 20:30 : "Vamos receber à moda d...
- 03/10 19:00 - 16/01 22:00 : Curso de Cozinha - pós-labor...
- 08/10 10:00 - 10/12 14:00 : Sábados Vínicos da EHT Estoril...

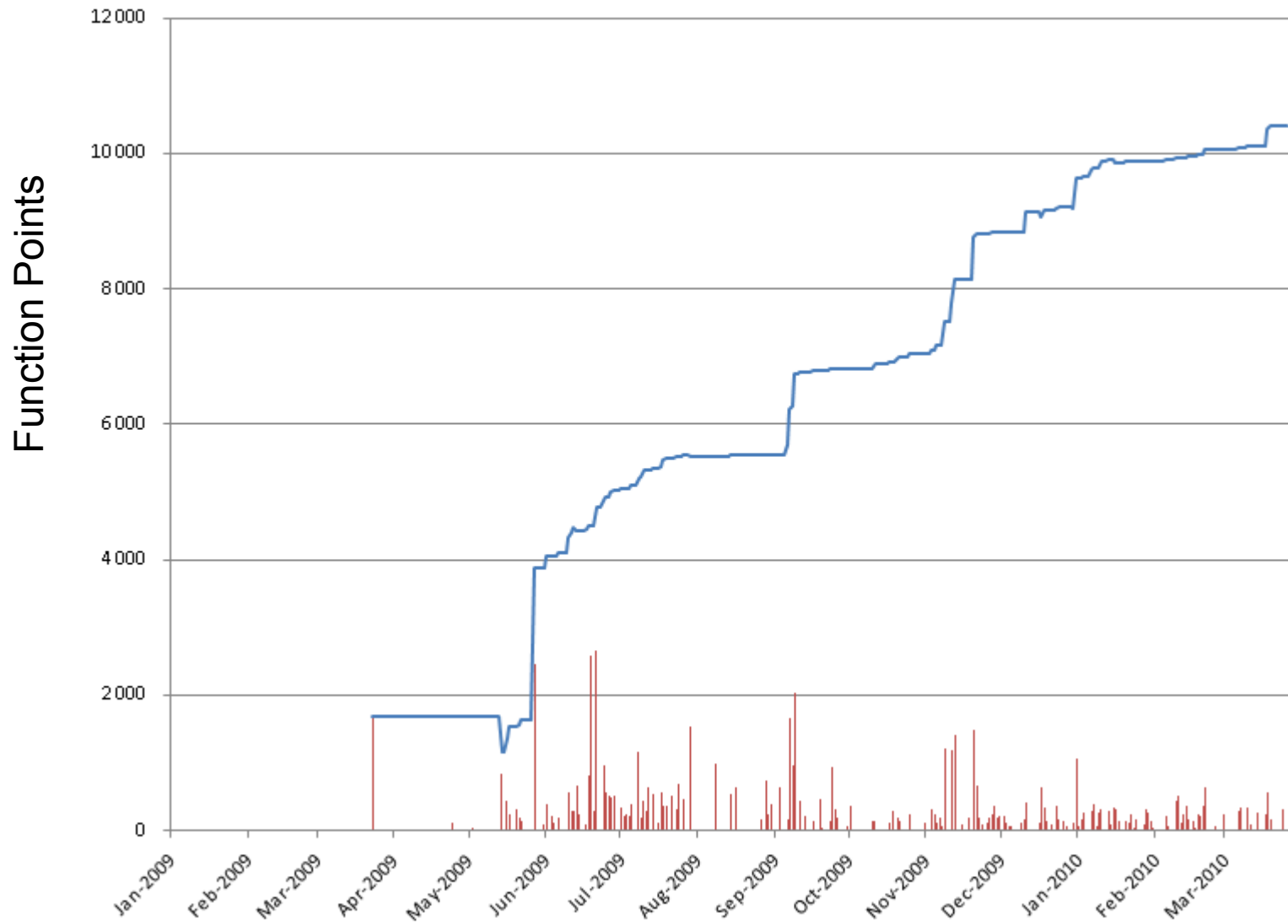
[VER TODOS](#)

FORMAÇÃO CONTÍNUA/PROFISSIONAL

EM DESTAQUE

MAIS NOTÍCIAS

- XII Encontro Nacional de Juventude na EHT Estoril
- Cerimónia de Entrega de Diplomas no 54º Aniversário da Escola de Hotelar...
- Rotary Club de Caldas da Rainha entrega prémio a aluna da Escola de Hote...



Developers

- Tech Savvy Business Users
- Developers of Outdated Technologies
- Developers more focused on business
- Developers who prefer copy/paste

Embedded Tutorials

The screenshot shows the outsystems VMSRVSolDev IDE interface. The main workspace displays a 'MainFlow' diagram with a 'Home' icon pointing to a 'HomePage' icon. A central orange dialog box titled 'Import Records from Excel' provides instructions for bootstrapping the 'Contact' table. The dialog includes a list of steps and a 'Click NEXT to continue.' prompt. The right-hand pane shows a tree view of the 'SalesAssistant' entity, with 'Contact' selected. Below the tree, the 'Contact' entity properties are listed in a table. The bottom status bar indicates 'TrueChange™' and 'The eSpace is valid.'.

Import Records from Excel

Let's bootstrap the Contact table by importing records from an Excel file: these records will be inserted automatically into the database.

1. Right-click on the **Contact**, choose **Create Action to Bootstrap Data from Excel...**
2. Choose the **Contacts.xlsx** file and click **Proceed**
3. Under **Logic**, and under the **Actions** folder double-click on **BootstrapContacts** to see how this sample data will be loaded into the database table

Click **NEXT** to continue.

STEPS **HELP**

SalesAssistant

- Entity Diagrams
- Entities
 - Contact**
 - Id
 - Name
 - JobTitle
 - Phone
 - Email
 - CreateContact
 - CreateOrUpdateContact
 - UpdateContact
 - GetContact
 - GetContactForUpdate
 - DeleteContact
 - MenuItem
 - (System)
 - RichWidgets
- Structures
- Session Variables
- Site Properties
- Resources

Contact Entity

Name	Contact
Description	...
Public	No
Identifier	Id
Label	...
Is Active	...
Order By	...
Expose Read...	Yes
Expose Proces...	No

TrueChange™

lef@vmsrvsoldev

Never start with a blank page

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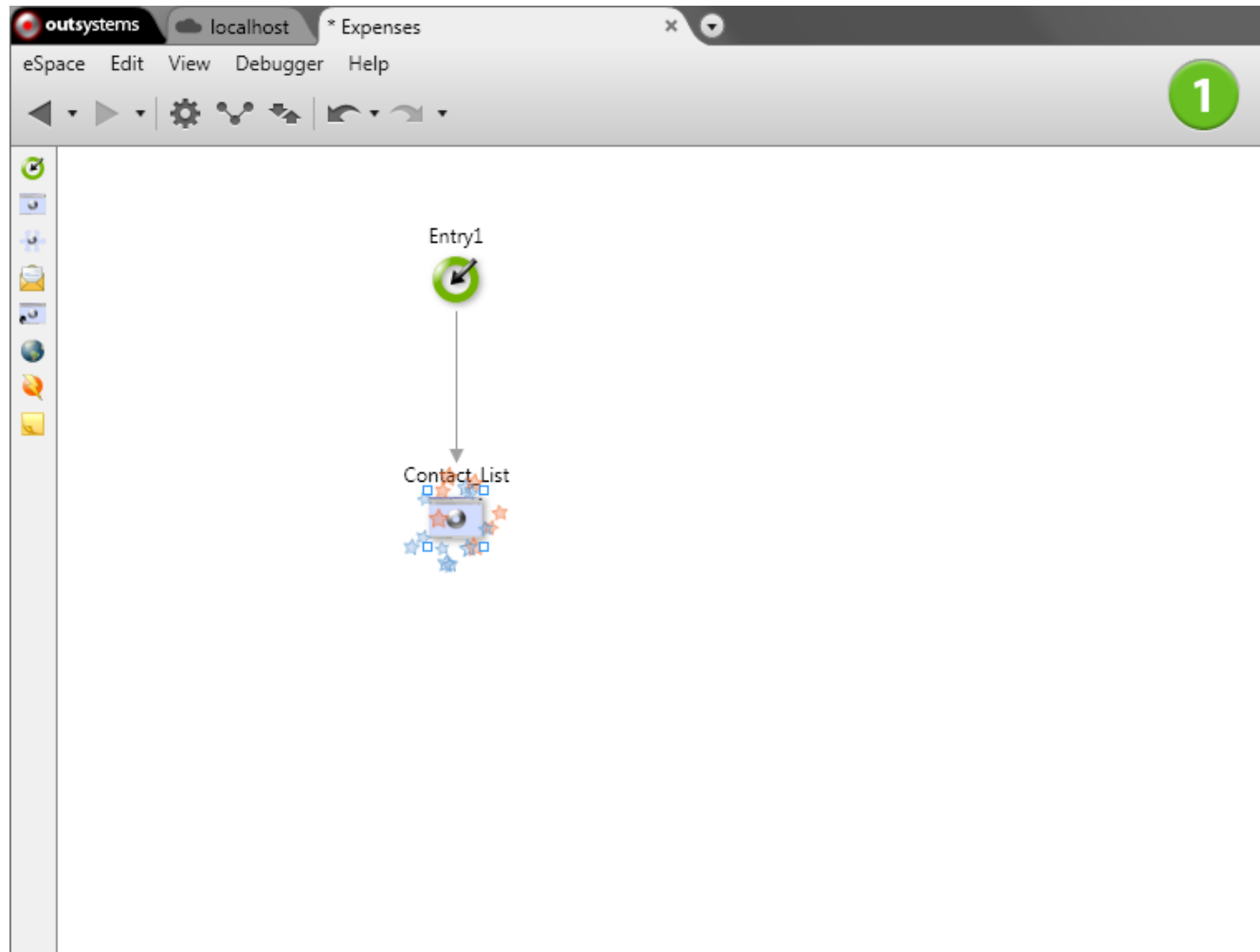


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max items in Combo box?

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NEW max items in Combo box? 0

by [Frits Frederiks](#) on 2011-10-07 13:06

Hi everybody,

Does somebody know how many items a combobox can handle? I have 700 articles which i select from a SQL query.

Thank you in advance

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NEW Re : max items in Combo box? 0

by [Ricardo Araújo](#) on 2011-10-07 13:50

DONT do that !!!!! Don't even think about it. :)

Frits,

Before you continue that question please [read this presentation on UIs](#)

The right answers in on page 14. "For a Finitive and large domain, use autocomplete".

Cheers,
RNA

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Lúcio Ferrão

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