

MBA Smalltalk: to manage your objects

- About
- Idea
- Execution
- Demo



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About:

Us, our products, this presentation

- Cosmocows =
 - Founded in feb 2000
 - Product idea: “Something with squeak”
 - 2001: Cancelled this idea
 - 2001 & 2002: Smalltalk consultancy work



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About:

Us, our products, this presentation

- Cosmocows =
 - 2003 – 2005: Product development: “the ultimate contract & invoice configuration management system”
 - 2005 – current: Transformation of “the ultimate Contract & invoice configuration management system” into “MBA Smalltalk” + “Ready” and “Status”



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About:

Us, our products, this presentation

- “MBA Smalltalk” =
 - A tool to develop, deploy, maintain and monitor web based business administration systems



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About:

Us, our products, this presentation

- Demo “Ready”



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Product Toepassingen Klanten Support Over AG5

Als vakbekwaamheid van levensbelang is



AG5 - Vakbekwaamheid Management Systeem

AG5 helpt organisaties inzicht te krijgen in de vakbekwaamheid van hun medewerkers. Daartoe wordt op beroepsgroepen afgestemde software geleverd, waarmee alle belangrijke activiteiten omtrent vakbekwaamheid van medewerkers kunnen worden geregistreerd, beoordeeld, ingepland en gerapporteerd.

Speciaal voor de Ambulance, [Brandweer](#), [GHOR](#), [Gemeente](#), [Onderwijs](#), [Politie](#), Waterschappen, [Veiligheidsregio](#) en [uw beroepsgroep](#)

Nieuws

Juli '08
AG5 sluit mantelovereenkomst met Regionale Brandweer en de 21 Gemeentelijke korpsen Brabant Noord.....

[Lees meer](#)



AG5 Login

username

password

ENTER

[Password vergeten?](#)

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About:

Us, our products, this presentation

- Demo “Status”



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About:

Us, our products, this presentation

- “This presentation” =
 - Showing & explaining “MBA Smalltalk”



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The idea

- Separate disciplines
- “Does my discipline really need to think about this?”



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The execution:

MBA Smalltalk in a nutshell:

- Model description language
- Editor
- Code generator
- Renderer & styles
- Configuration & Lineup builder
- Auto deployer
- Repository
- Monitor



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Model description language

- Schemas
- Slots
- (Demo)



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The Editor (first version)

Mathieus Ameland 2.1-6.100 Afmelder

Brandweerkorps Meerssen admin

Modellen | Overzicht

Model toevoegen

Sleutel	Omschrijving	Aantal interfaces	Aantal slots	Options
 BrandweerKorps	Oefenbeheer	0	0	 

The Editor (first version)

Mathieus Ameland 2.1-6.100 Afme

Brandweerkorps Meerssen Mathieu van Echte

Slot toevoegen
Nieuw slot:

SubInterfaces
Schema toevoegen

Sleutel	Omschrijving	Sorteringsindex	Options
Declaratie	Declaratie	30	
JaarVergoedingAanvraag	Jaaraanvraag	0	
OefenUrenAanvraag	Oefen uren	10	
UitrukAanvraag	Uitruk	20	

Interface toevoegen

The Editor (first version)

Mathieus Ameland 2.1-6.100

Afmeld

Mathieu van Echtelt

- Organisatie
 - Organisatie
 - Persoon
- Rapportage
- Stamdata
- Defening
- Uitruk
- Vergoeding
- Design
 - Schema
 - Import - Export
 - Zoeken
 - System data

Brandweerkorps Meerssen

WaardeSlots

Schema	Persoon (Medewerker)
Sleutel	achternaam
Omschrijving	Achternaam
Type	StringAttributeType
Sorteringsindex	5
is ClassSlot	<input type="checkbox"/>
Verplicht veld	<input checked="" type="checkbox"/>
In lijstoverzicht tonen	<input type="checkbox"/>
Onzichtbaar tijdens tonen	<input type="checkbox"/>
Onzichtbaar tijdens bewerken	<input type="checkbox"/>
Niet wijzigen via UI	<input type="checkbox"/>



Kenmerken

Kenmerk toevoegen

Toevoegen

Omschrijving	Waarde	Options
editModeVisibleSelector		
editRemark		
forceUiReadonlySelector		
Height	1	
hideInMatrixEditMode	false	
hideInMatrixViewMode	false	

The Editor (second version)

Modeler for model HVR

Package HVR Organisatie	Partij	adres
	Create Schema... Rename Schema to... Delete schema Switch to class side Create subclass...	Create Slot... Rename Slot... Remove Slot... Move Slot to Selected Package Senders of #adres... Implementors of #adres... Deselect Slot
HVR	<input type="text" value="Partij"/> <input type="button" value="Zoek"/>	
HVR Authorisatie	Organisatie	20 adres EV
HVR Base	Partij	23 land EV
HVR Brandweer	AmbulanceDienst	30 telefoonNummer EV
		40 faxNummer EV
		43 email EV
		45 website EV

The Editor (second version)

Partij>>adres [Value]

isPrimaryKey	<input type="checkbox"/>
onChange	# <input type="text"/>
dataType	AddressAttributeType <input type="text"/>
isMandatory	<input type="checkbox"/>
displayString	<input type="text" value="Bezoekadres"/>
editModeVisibleSelector	# <input type="text"/>
editRemark	<input type="text"/>
hideInEditMode	<input type="checkbox"/>
hideInViewMode	<input type="checkbox"/>
indentationLevel	<input type="text" value="0"/>
remark	<input type="text"/>
renderLabelAtTop	<input type="checkbox"/>
showEditLink	<input type="checkbox"/>
showInList	<input checked="" type="checkbox"/>
uiReadOnly	<input type="checkbox"/>
uiReadOnlySelector	# <input type="text"/>
uiSequenceIndex	<input type="text" value="20"/>
viewModeVisibleSelector	# <input type="text"/>
viewRemark	<input type="text"/>
widgetIndentationLevel	<input type="text" value="5"/>
AccessControl	>>

The Editor (third version)

Mathieu Ameland 2.2-4.16 Afmeld

Modeler for model HVR as Valkenswaard (Gemeentelijke brandweer) mathieu@ag5.nl as Paul Beekveld

> >> Partij>>website 45 : spawn method in browser

Website

<< << Partij>>veiligheidRegio 47 : spawn method in browser

dataFormat properties	default	edit	view	preview	list	print	report
isMandatory	<input checked="" type="checkbox"/>						>>
behavior properties	default	edit	view	preview	list	print	report
choiceRootSchemaDescriptorLocation	spawn	VeiligheidsRegio					>>
choicesGetter							>>
getNewValueForKeySelector							>>
gnortDefaultValueInitializer	nil						>>
isPrimaryKey	<input type="checkbox"/>						>>
lazyInitialize	<input type="checkbox"/>						>>
onChange							>>
sortAspect	sortValue				spawn implementors	spawn senders	>>
ui properties	default	edit	view	preview	list	print	report
autoSubmit	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
collectionType	niy						>>
displayString	Veiligheidsregio						>>
displayStringSelector	displayString				spawn implementors	spawn senders	>>
indentationLevel	0						>>
isVisible	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
remark							>>
renderLabelAtTop	<input type="checkbox"/>						>>
slotVisibleSelector							>>
tab							>>
uiReadOnly	<input type="checkbox"/>						>>
uiReadOnlySelector							>>
uiSequenceIndex	47						>>
widgetIndentationLevel	0						>>

Propertywijzigingen opslaan (Object wordt ook gecommit)

Veiligheidsregio Brabant Zuid Oost (Veiligheidsregio)

> >> Partij>>gemeente 49 : spawn method in browser

Gemeente Asten (Gemeente)

> >> Partij>>postAdres 51 : spawn method in browser

Postadres **Straat + Nr** Postbus 290

The Editor (third version)

> >> UitrustBasis>>veiligheidRegio

Veiligheidsregio ⚡ Brabant Zuid Oost

< >> UitrustBasis>>gemeente

dataFormat properties

isMandatory

ui properties

displayString

displayStringSelector [spawn implementors](#) | [spawn senders](#)

uiSequenceIndex

behavior properties

choiceRootSchemaDescriptorLocation [spawn Gemeente](#)

choicesGetter [spawn implementors](#) | [spawn senders](#)

[Propertywijzigingen opslaan \(Object wordt ook gecommit\)](#)

Gemeente *

> >> UitrustBasis>>opgemaaktDoor

Opgemaakt door (max 15 karakters)

The Editor (last version)

The screenshot displays the IDE interface for the 'Person' class. The top menu bar includes 'Browser', 'Edit', 'Find', 'View', 'Package', 'Class', 'Protocol', 'Method', 'Tools', and 'Help'. Below the menu is a toolbar with various icons and a 'Find:' search box. The main workspace is divided into several panes:

- Package Hierarchy:** A tree view on the left showing the package structure, with 'FX Implementation HVR Esug' selected.
- Class Hierarchy:** A list of classes including 'Assignment', 'Employment', 'EsugMenuBar', 'Function', 'FunctionAssignment', 'Location', 'Organisation', 'Person' (highlighted), 'Reporting', and 'Telephone'.
- Instance/Class/Shared Variable/Instance Variable:** A pane on the right showing the 'Person' class structure, including 'accessing', 'methods', 'testing', and 'slot' definitions.
- Code Editor:** The main area showing the 'name' property definition:

```
name
  <type: #Value>
  <propertyAt: #dataType put: #String>
```
- SchemaSource/Comment/TypeInfo/Definition/Rewrite/Code Critic:** A toolbar above the code editor.
- DeducedReturnType:** A field showing '--No methodSlot--'.
- Slot:** A button on the right side of the code editor.

The bottom left pane shows the 'Person' class's attributes and methods, including 'address', 'birthDate', 'document', and 'driversLicense'.

In combination with:

The screenshot shows a Mozilla Firefox browser window with the title 'Mathieu Ameland - Mozilla Firefox'. The address bar contains the URL 'http://localhost:8007/Frames?sessionID=SHAIFNMPPRRPXRLXLWRCK'. The browser's menu bar includes 'File', 'Edit', 'View', 'History', 'Bookmarks', 'Tools', and 'Help'. The browser's toolbar shows navigation buttons (back, forward, home, refresh) and a search icon. The browser's tabs include 'AGS Status Intern', 'AGS B.V. Mail - Inbox (104) - mathieu@...', 'Pier: News', and 'Mathieu Ameland'. The main content area displays the 'Mathieu Ameland' web application interface. The interface has a blue header bar with the text 'Mathieu Ameland' and a sub-header 'Modeler for model HVR as Drenthe (Veiligheidsregio)'. Below the header, there is a navigation menu with 'Design', 'Organisatie', 'Admin', 'Esug', and 'Help'. The 'Esug' menu is expanded, showing 'Person' and 'Organisation'. The main content area shows a breadcrumb trail 'Esug > Person > asdf'. Below the breadcrumb, there are tabs for 'Basis', 'Employments', and 'Logboek'. The 'Employments' tab is selected. The main content area displays a list of log entries for the 'Person' object. The log entries are as follows:

```
> >> LogObject>>algemeenTab 10 : spawn
> >> Person>>employmentsTab 20 : spawn
> >> LogObject>>logTab 1000 : spawn
> >> Person>>name 5 : spawn
      Name asdf
> >> Person>>address 20 : spawn
      Address Straat + Nr
              Postcode
              Plaats
> >> Person>>birthDate 30 : spawn
      Birthdate
```

Code Generator, renderer, styles

- Demo
- Demo model
 - Person
 - Name, address
 - Employments
 - Organisation
 - Function assignments



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Code Generator, renderer, styles

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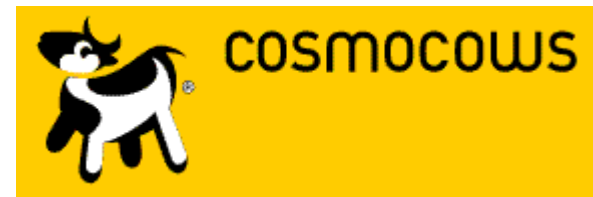
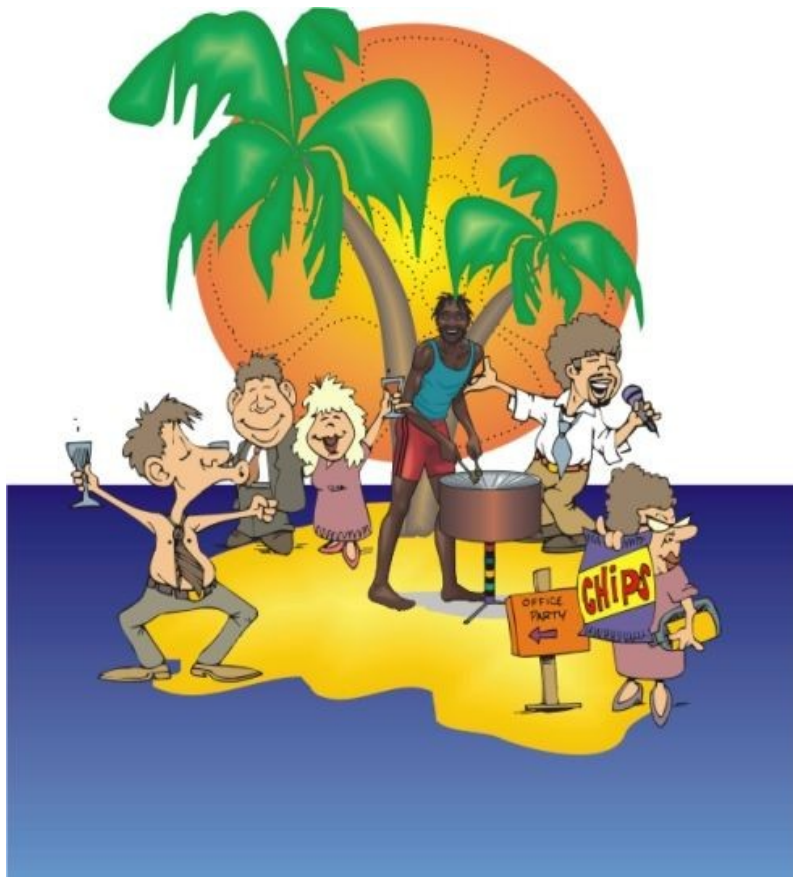
<Advertisements>



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<Cosmocows reception>

- This evening!



<WebTerminal presentation>

- Thursday, 16.45



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Smalltalk not a prerequisite, design principles are!