

CaptainCasa Structured Data Manager

CC-SDM

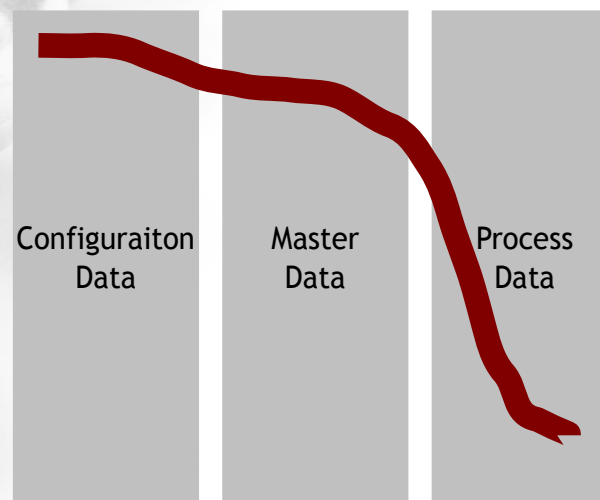
Structured Data Manager CC-SDM

- Solution for quickly creating the data driven part of an application, including:
 - Creation of entities and their data structures
 - Generation of data access and logic layer
 - Creation of User Interface
 - List of Entities
 - Detail of Entity

Usage Scenario (I)

- High level of functional standardization in the area of configuration and master data of an application

Functional Standardization



- Usage of CC-SDM to significantly reduce effort in this area + provide a consistent set of functions

Usage Scenario (II)

- Simple and fast creation of data driven applications
 - ...typically smaller applications e.g. for use within a workgroup
- Replacement of decentralized, data driven application scenarios, currently managed via
 - Spreadsheets
 - Microsoft Access
- ...by centralized, database based approach
 - with still leaving the responsibility for the application + its data structure within the workgroup

Defining the data structure...

The screenshot shows the 'ticket' entity configuration in the CaptainCasa Enterprise Client. The main window includes a 'Properties' table with the following data:

Property	Text	Is key	Is status	Data Type	Length	Regular Expression
ticketId	Ticket Id	<input checked="" type="checkbox"/>	<input type="checkbox"/>	guid	0	
creationUser	Creation - User	<input type="checkbox"/>	<input type="checkbox"/>	user	0	
creationDate	Creation - Date	<input type="checkbox"/>	<input type="checkbox"/>	Date	0	
textTitle	Text - Title	<input type="checkbox"/>	<input type="checkbox"/>	String	100	
textDescription	Text - Description	<input type="checkbox"/>	<input type="checkbox"/>	String	2.500	
status	Status	<input type="checkbox"/>	<input checked="" type="checkbox"/>	String	20	
topicId	Topic	<input type="checkbox"/>	<input type="checkbox"/>	String	20	

The right sidebar shows the 'Entity Management' section with a tree view of entities. The 'Application Generation' section includes buttons for 'Generate Application', 'Compile Application', and 'Reload Application'. The 'Application Test' section includes a 'Test' button. The 'Project Injection' section is also visible at the bottom.

...directly delivers the application!

The screenshot shows a Mozilla Firefox browser window displaying the CaptainCasa Ticket Management application. The browser's address bar shows the URL `http://localhost:50000/ccticket/`. The application interface is divided into several sections:

- Navigation Menu (Left):** Includes 'Ticketing' (with sub-items: List of tickets, Monitoring, Status report), 'Export / Import' (with sub-items: Import, Export), and 'Administration' (with sub-item: Customizing).
- List of tickets (Center-Left):** A table with columns 'Creation - User', 'Creation - Date', and 'Text - Title'. It contains 8 rows of data.
- Ticket Detail View (Center-Right):** Shows details for ticket ID '127866951093_5736'. Fields include 'Ticket Id', 'Creation - User' (manager), 'Creation - Date' (09.07.2010), 'Text - Title' (dsfsdf), 'Text - Description', 'Status' (CLOSED / Closed), 'Topic' (0001 / Bug), 'Assigned User' (manager), 'Importance Level', 'To be finished date', and 'Effort'. There is also an 'Attachments' section with 'Attachment' and 'Comment' fields.

The browser's status bar at the bottom right shows '249(687) ms'.

Standardized Set of Functions for each Entity

- Free-Style Query-ing
 - Saving Queries (either as private or public query)
- Locking
 - ...the pessimistic way
- IMAGE and BLOB-ATTACHMENT as column's data type
 - automated up/download functions
- Consistency Checks
 - By default: following foreign key definitions
 - Extensible by implementing Java exits
- 100% transactional writing of data into any relational database

Ad hoc Creation of Screen Variants

Page Variant: ticket/default

Home

Save

ticketId		
creationUser	1/def.	creationDate
creationDate	1/def.	
textTitle		
textDescription		
status		
topicId		
subtopicId		
assignedUser		
importanceLevel	1/def.	effort
toBeFinishedDate		
effort		
attachments		
activities		
distance		

1278666951093_5736

Home

Save OK Cancelled Delete...

Creation - User: manager Creation - Date: 09.07.2010

Status: CLOSED / Closed

Importance Level: Effort:

Text - Title: dsfsdf

Text - Description:

Topic: 0001 / Bug Subtopic:

Activities

Creation - User	Creation - D...	Description	Type
New Item Delete Item			

Attachments

Attachment	Comment
New Item Delete Item	

Built-in Multi Language & Image Mgmt.

The screenshot displays the CaptainCasa Enterprise Client interface, divided into several panes:

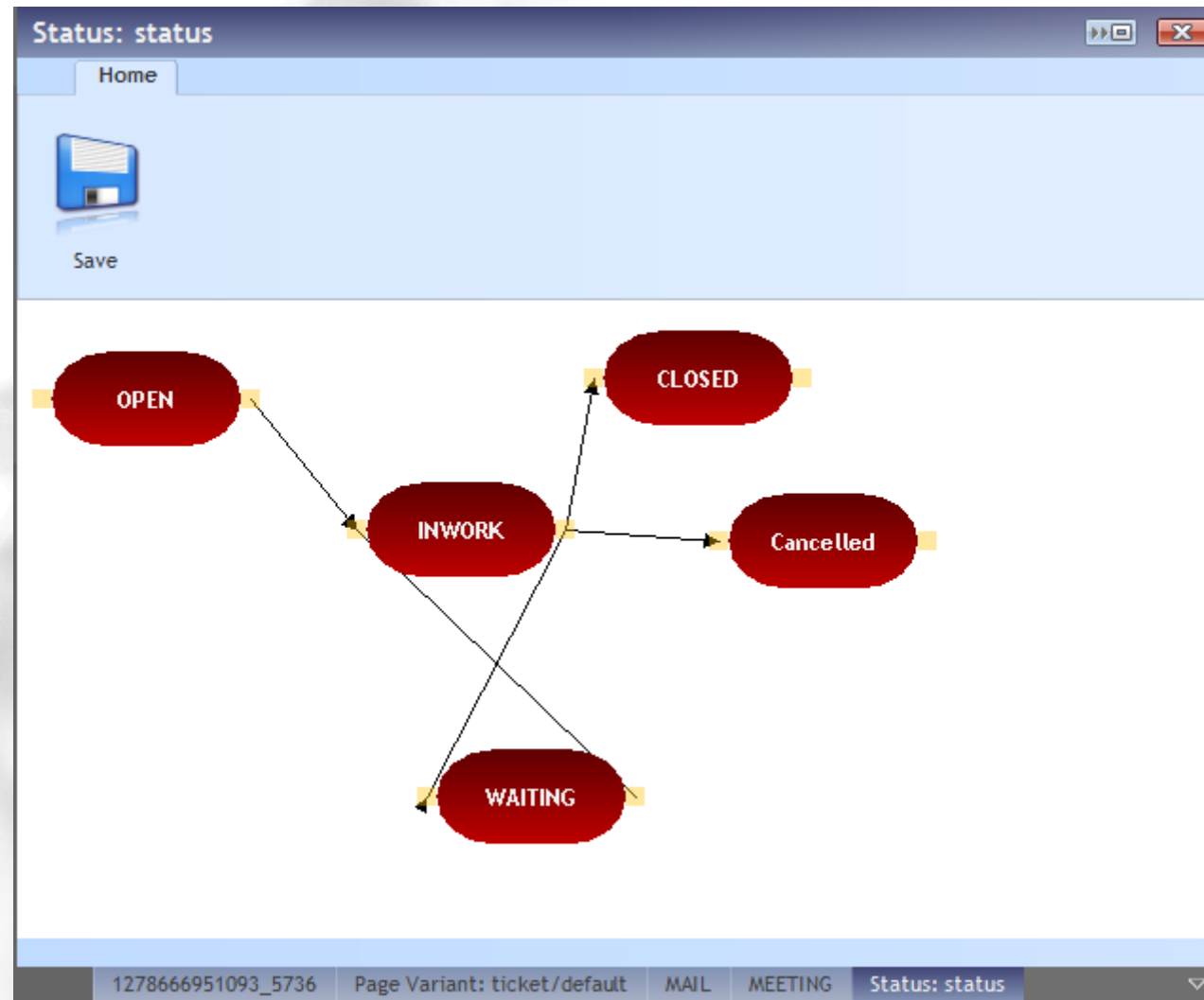
- Left Pane (Administration):** A tree view under 'Ticketing' with a 'Customizing' sub-section. It includes options for 'Basis' (Language, User), 'Ticketing' (Status, Topic, Activity Type, Effort, Importance, System configuration), and 'Entity configuration' (Entity).
- Activity Type Pane:** A table listing activity types. The 'Meeting' row is selected.

Text	Id
e-Mail	MAIL
Meeting	MEETING
Phone Call	PHONE
Postal Mail	POSTALMAIL
- MEETING Pane:** A form for editing a 'MEETING' entity. It includes:
 - Buttons: Save, OK, Delete...
 - Id field: MEETING
 - Images section: Four image upload slots with labels 'Image 16*16', 'Image 32x32', 'Image 100x100', and 'Image (original)'. Each slot has an 'Upload...' button and a 'Remove' button.
 - Texts section: A table for multi-language text entries.

Language	Text	Description
de	Meeting	
en	Meeting	

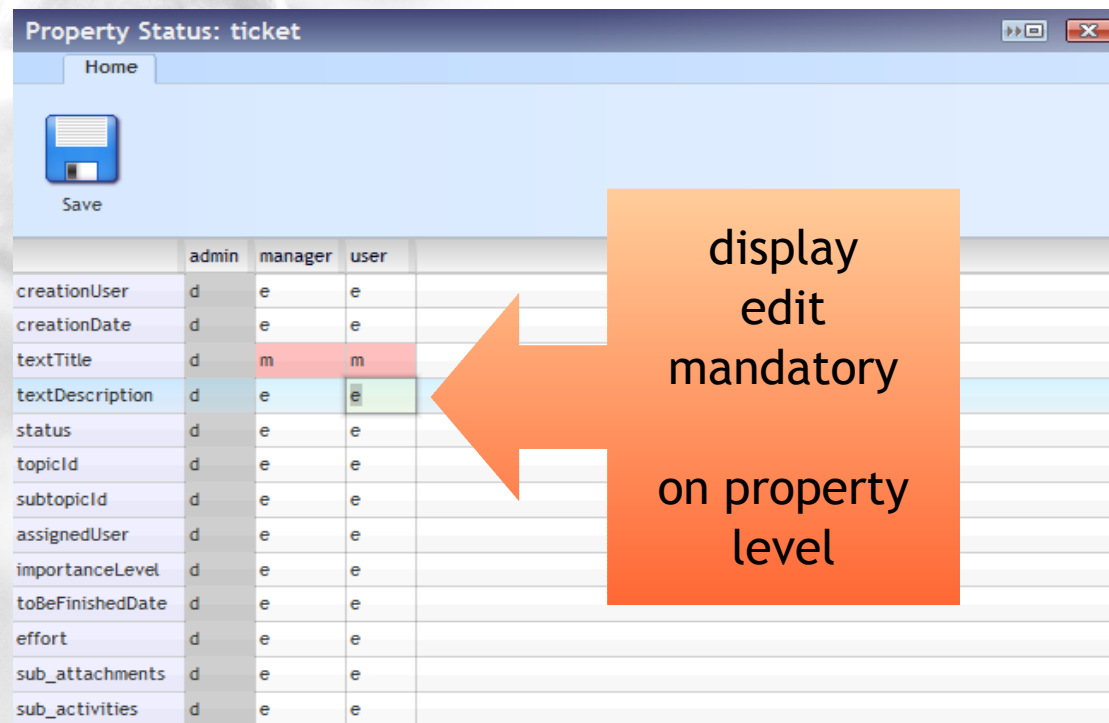
The bottom status bar shows navigation options: 'List of tickets', 'Entity', 'Status', 'Activity Type'. It also displays a ticket ID '1278666951093_5736' and page information: 'Page Variant: ticket/default MAIL MEETING'.

Built-In Status Management



Definition of Input Status

- on property level + dependent from user's role and dependent from entity's status



	admin	manager	user
creationUser	d	e	e
creationDate	d	e	e
textTitle	d	m	m
textDescription	d	e	e
status	d	e	e
topicId	d	e	e
subtopicId	d	e	e
assignedUser	d	e	e
importanceLevel	d	e	e
toBeFinishedDate	d	e	e
effort	d	e	e
sub_attachments	d	e	e
sub_activities	d	e	e

display
edit
mandatory
on property level

Status of CC-SDM

- „today“, July 2010
 - first beta released
 - download & documentation via www.CaptainCasa.com

