

OpenCms @ Danske Spil A/S



Danske Spil
til glæde og til gavn

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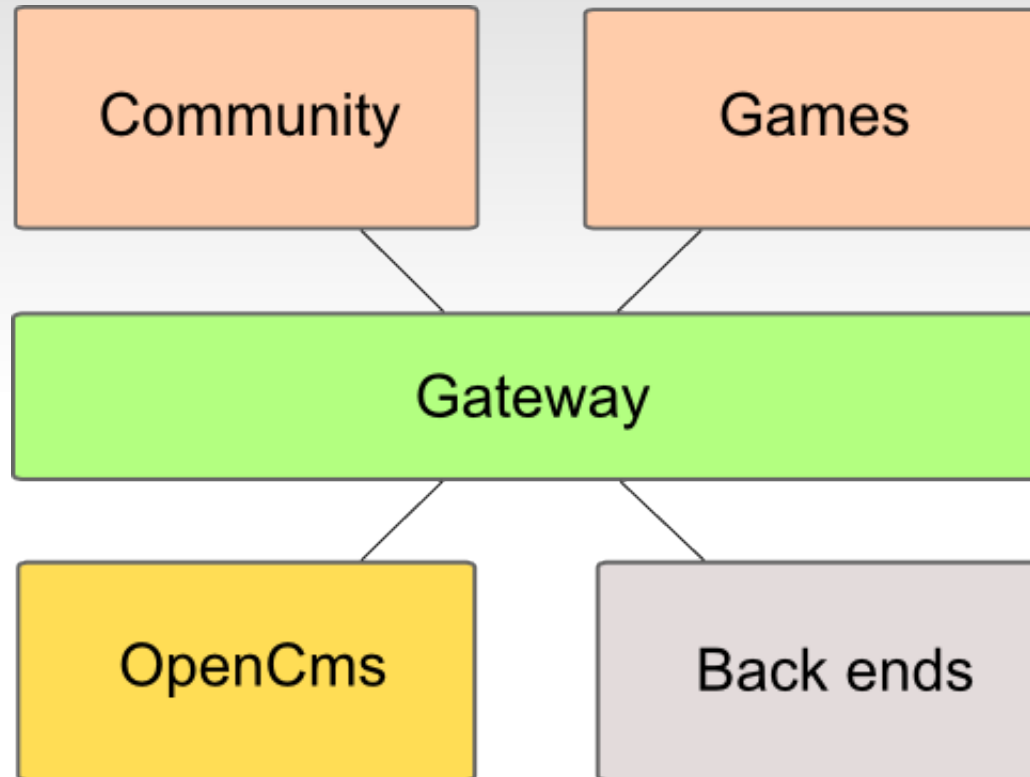
Danske Spil A/S

- Founded in 1948
- Provides number-, sports- and instant scratch games
- Profit is distributed to sporting, cultural and other non-profit purposes
- There are 3,800 dealers nationwide
- The largest e-commerce site in Denmark
- And it is growing...

Flex Client

The screenshot displays the Lotto website interface with a red background. At the top left is a navigation menu with links: Forside Lotto, Nyheder, Vindertal, Statistik, Joker, and Sådán spiller du Lotto. The main header features the 'LOTTO' logo and three buttons: 'SPIL NU', 'LOTTO', 'ONSDAGS LOTTO', and 'LOTTO PLUS ABONNEMENT'. The central area is dominated by two large circular graphics. The left one is red and black, announcing a '1. Præmiepuljen 10 mio.' for 'lørdag' with a 'SPIL NU' button. The right one is blue and black, announcing a '1. Præmiepuljen 7 mio.' and 'SuperPuljen 8 mio.' for 'onsdag' with a 'SPIL NU' button. To the right of these is a yellow box showing the 'Trækning 10. Jun. 2009' results: '4 - 13 - 42 - 43 - 47 - 48', 'Tillægstal 30 - 36', and 'Supertal 25'. Below this is a table of prize tiers: 6 rigtige (0) for 3.734.549 kr., 5 rigtige+1 (4) for 50.210 kr., 5 rigtige (45) for 3.003 kr., 4 rigtige (2.892) for 108 kr., and 3 rigtige (51.192) for 42 kr. At the bottom, there are three sections: 'LOTTO' with a 'SPIL' button and a message about the Joker prize; 'NYHEDER' with a headline 'Onsdagsmillioner til Finland' and a 'Vinderhistorien' link; and 'SENESTE VINDER' with a headline '5.000.000 Vundet ved en fejl' and a map of Finland. A large banner on the right says 'Fortæl os din mening om det nye Lotto og deltag i lodtrækningen om en iPod Nano' over an image of a lottery terminal. A 'FLERE NYHEDER >' link is at the bottom center.

Architecture



XML Schemas

- At this point we have appr. 75 schemas
 - Appr. half of them are nested schemas
 - Typically between 2 and 20 fields (not counting repeating ones)
- Appr. 10 handlers for custom validation
 - For complex field validation
 - And form validation (inter-field relations)
- A couple of new collectors

Custom UI

- Simplify the UI
 - Remove unnecessary features from the UI
 - Mimic existing look and feel
- "Hide" files and folders
 - Show titles, not filenames
 - Hide "complex" folder structures
- Provide specialized views
 - Timeline view
 - Thumbnail view

Custom UI

The screenshot displays a custom user interface for OpenCms. On the left is a dark green sidebar menu with the following items: Start, Nyheder, Kampagner, Kampagnestyring, Promotions, **Forside** (highlighted in yellow), Lotto, Krydssalg, Globalt, Vinder-interviews, Billeder, Sider, Spil, and Log af. The main content area has a light green background and contains a table of active items. Above the table are two dropdown menus set to 'Aktive' and 'Standard', and a button labeled 'Opret ny'. The table has columns for Status, Titel, Fra, Til, and Af. Each row includes a '[Rediger]' link, a status icon, and a flag icon.

Status	Titel	Fra	Til	Af
[Rediger]	Oddset Celtic	11/11/08 10:43	14/06/09 16:00	Admin
[Rediger]	Lotto 35 millioner	11/11/08 15:09	13/06/09 17:00	Admin
[Rediger]	Dobbelt Jackpot i Onsdags Lotto	13/06/09 10:00	17/06/09 17:00	Admin
[Rediger]	Zezam	15/06/09 08:00	06/10/09 10:45	Admin
[Rediger]	Quick Bingo	11/11/08 10:43	06/10/09 10:44	Admin
[Rediger]	Corporate	19/12/08 14:32	25/09/09 14:32	Admin

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The main content area features a control bar with three dropdown menus: 'Aktive', 'Tidsstyring', and 'Opret ny'. Below this is a table with columns for dates from 11/06 to 20/06. The table lists several items with their status, title, and active dates:

Status	Titel	11/06	12/06	13/06	14/06	15/06	16/06	17/06	18/06	19/06	20/06
[Rediger]	Oddset Celtic	Active	Active	Active	Active	Active	Active	Active	Active	Active	Active
[Rediger]	Lotto 35 millioner	Active	Active	Active	Active	Active	Active	Active	Active	Active	Active
[Rediger]	Dobbelt Jackpot i Onsdags Lotto	Active	Active	Active	Active	Active	Active	Active	Active	Active	Active
[Rediger]	Zezam	Active	Active	Active	Active	Active	Active	Active	Active	Active	Active
[Rediger]	Quick Bingo	Active	Active	Active	Active	Active	Active	Active	Active	Active	Active
[Rediger]	Corporate	Active	Active	Active	Active	Active	Active	Active	Active	Active	Active

Custom UI

Start

Nyheder

Kampagner

Kampagnestyring

Promotions

Krydssalg

Globalt

Vinder-interviews

Billeder

Sider

Spil

Log af

Aktive

Status	Titel	Region	11/06	12/06	13/06	14/06	15/06	16/06	17/06	18/06	19/06	20/06
[Rediger]	Pill: Det bliver en sprinteretape	Lotto										
[Rediger]	Nr. 1 ugarderet i V75	Lotto										
[Rediger]	Lørdagens V75	Lotto										
[Rediger]	Nr. 1 ugarderet i V75	Lotto										
[Rediger]	SAS Liga ekspert-forslag - spændende bud fra både vinderen af EM Manager	Lotto										
[Rediger]	VM sælvinder i V5	Lotto										
[Rediger]	Dobbelt Jackpot i Onsdags Lotto - med mere tekst i titlen	Lotto										
[Rediger]	Top mod bund i Århus	Lotto										
[Rediger]	Vandt over 100.000 kroner !	Lotto										

Custom Widgets

- Special purpose widgets
- Widgets for special galleries
- Tweaking existing widgets

Custom Widgets

Sprog dansk

Titel:

Fra:


Til:

Titel	13/06	14/06	15/06	16/06	17/06	18/06	19/06	20/06
-- nuværende placering --	[Yellow bar]							
Lotto 35 millioner	[Yellow bar]							
Dobbelt Jackpot i Onsdags Lotto	[Yellow bar]							
Zezam					[Yellow bar]			
Quick Bingo	[Yellow bar]							
Corporate	[Yellow bar]							
	13/06	14/06	15/06	16/06	17/06	18/06	19/06	20/06

Prioritet:

Flash:
Link: (Klik på "Tilføj ny"-knappen til højre for at aktivere dette element)
Parameter: (Klik på "Tilføj ny"-knappen til højre for at aktivere dette element)

Billede: (Klik på "Tilføj ny"-knappen til højre for at aktivere dette element)

Ikon:  thumbnail_oddset

Bruger (Admin) logget på 13-06-09 09:54 fra 127.0.0.1

Custom Widgets

- Special purpose widgets
- Widgets for special galleries
- Tweaking existing widgets
- Dynamic list widgets
- Widgets depending on other fields

Custom Widgets


Sprog dansk

Titel: SAS Liga ekspert-forslag - spændende bud fra både vinderen af EM Manager

Teaser: Vi skyder vores SAS Liga-ekspertdyst i gang med spændende bud fra både vinderen af EM Manager og DM i Oddset. De holder begge på Randers i 1. runde.

Forside billede: Billedfil: oddset_nyheds_sas

Billede: (Klik på "Tilføj ny"-knappen til højre for at aktivere dette element)

Visning: 

Artikel: Vi skyder vores SAS Liga-ekspertdyst i gang med spændende bud fra både vinderen af EM Manager og DM i Oddset. De holder begge på Randers i 1. runde.
Fire vindere af Danske Spil-konkurrencer i sidste sæson har sagt ja tak til at komme med fiduser til SAS Ligaens første 5. runder her på danskespil.dk.

Fra: 12/06/2009 13:00

Til: 15/06/2009 15:00

Prioritet: Normal

Ej på forside:

Placering: Lotto

Kategori: Lotto

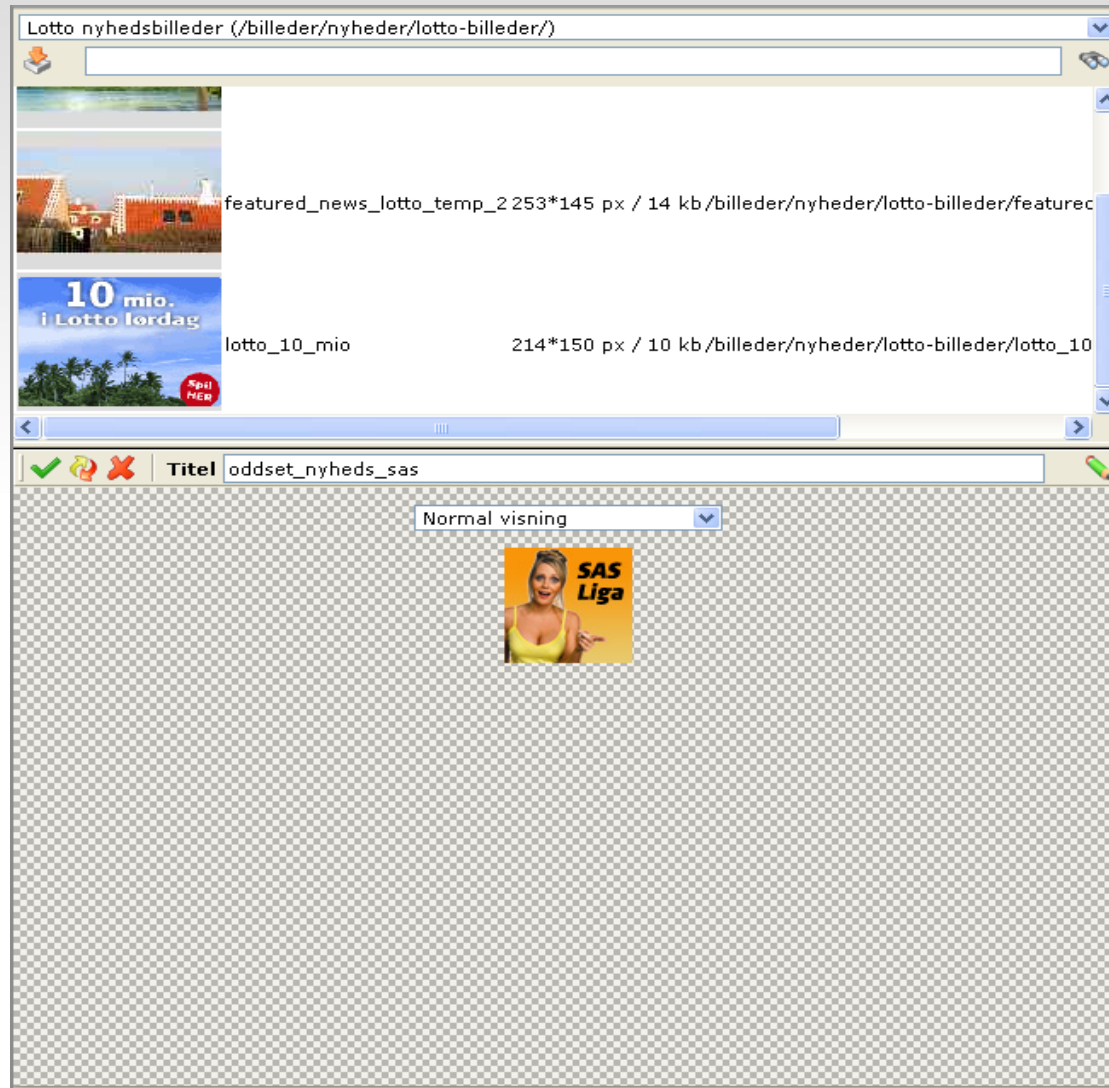
Spilboks: (Klik på "Tilføj ny"-knappen til højre for at aktivere dette element)

Bruger (Admin) logget på 13-06-09 09:54 fra 127.0.0.1

Custom Widgets

- Special purpose widgets
- Widgets for special galleries
- Tweaking existing widgets
- Dynamic list widgets
- Widgets depending on other fields
- Tweaked galleries
- Galleries to integrate to backend

Custom Widgets



Deployment

- Generally straight forward, almost just a WAR
- Four layers of testing and QA, numerous setups at some levels
 - Manuel "upload" of modules
 - Scripted by means of cmsshell
 - Looking at using Groovy for scripting
- Read-only mount of webapps directory
- Using JNDI for database connection

Conclusion

- OpenCms serves well as:
 - XML Content editor
 - Back end for Flex client
 - Integration with middle tier
 - Platform to build on, extensions points fits most needs
- Quirks:
 - Subclassing UI creates strong dependencies on the core
 - A few missing API requires replacing core classes

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Q & A

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Thank you