infonova

BearingPoint. Management &Technology Consultants

How a telco successfully migrated to OpenCms

Showcase track

10.05.2011

Selver Softic

OpenCms DAYS 2011

Agenda

- Introduction
- Showcase
- Our solution
- Special Features
- Velocity in OpenCms
- Conclusion
- Technical Discussion

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About me

Selver Softic

Technology Consultant at Infonova

Department: Portals & Content

Worked for several years in R&D

Interests:

- Content Management
- Knowledge Management
- Social Media
- Semantic Web

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Who are we?

Technology consultants since more than 15 years

A Bearing Point Company

Our Customers:

- Telcos
- Cable provides
- Energy Suppliers
- Automotive branch

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What we do

We offer:

- Billing Solution (R6)
- IT – Infrastructure Solutions
- Tailor Made Solution
- Content Management Solutions

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Showcase 1/4

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Showcase Introduction 2/4

Requirements:

Migrate from old Vignette OpenText CMS

Reduce Licence costs

Reduce Maintanance costs

Support Internationalisation

Support Replication

Provide Quick Support

Handle up to 2 Million Hits per day

Increase Usability for Editors

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Showcase Introduction 3/4

Requirements continued:

Support import products from telekom shop

Support Hrefs

Support Home made search

Provide Direct Edit for Editor

Dock onto technical infrastructure

- Maven
- Oracle
- Java
- Solaris

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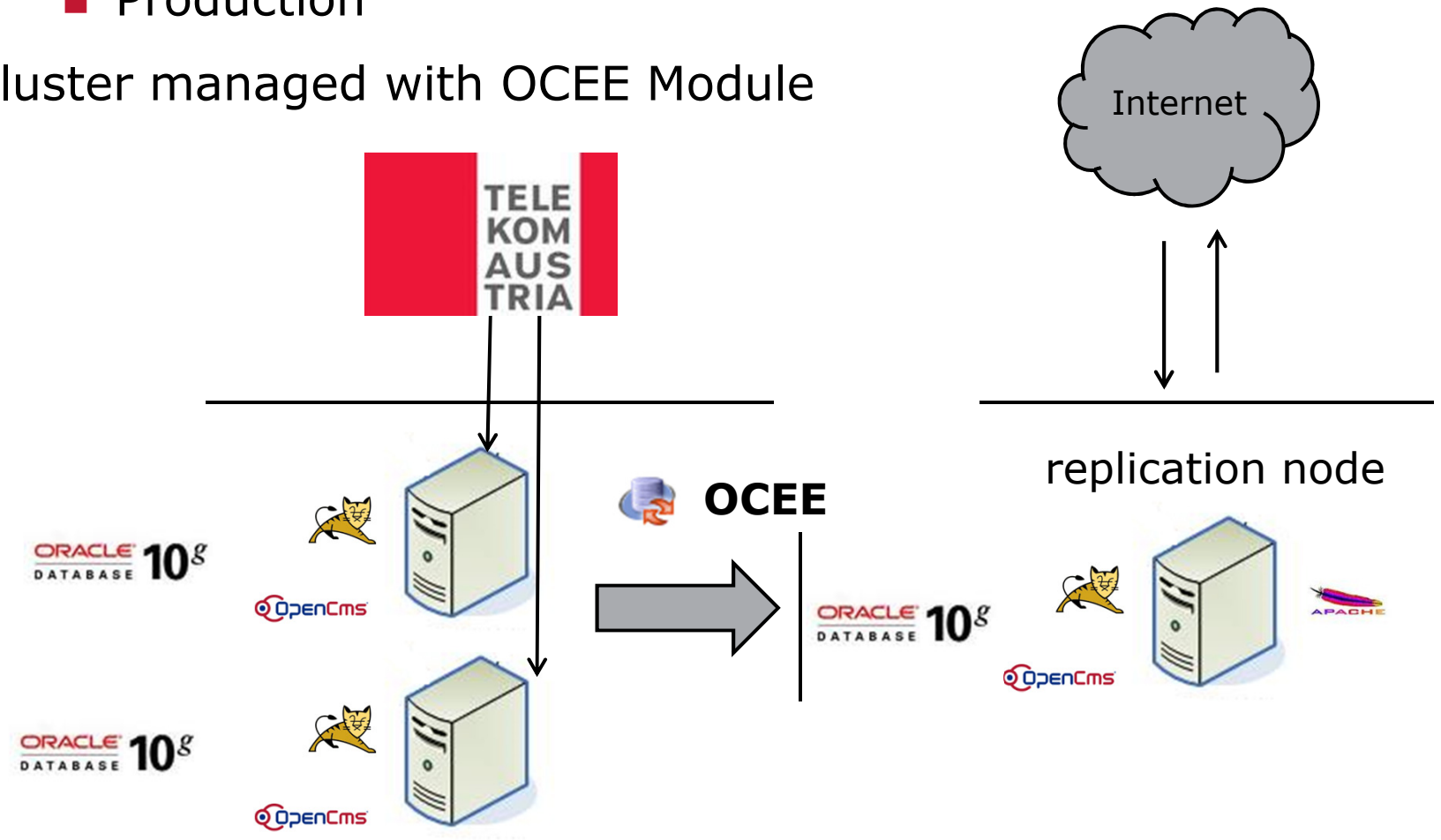
Showcase Introduction 4/4

- Integration
- Production

Cluster managed with OCEE Module



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Our Solution

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Frontend by Velocity

- Java Template Engine
- Allows referencing Java Object
- Quite fast
- Flexible

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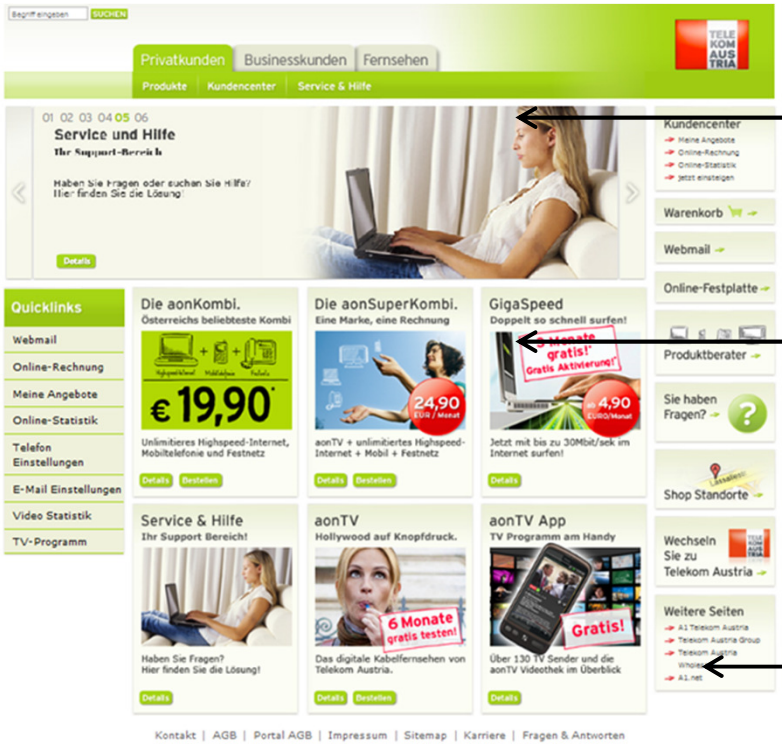
Our Solution



Merchandising flash

Teasers

Link lists

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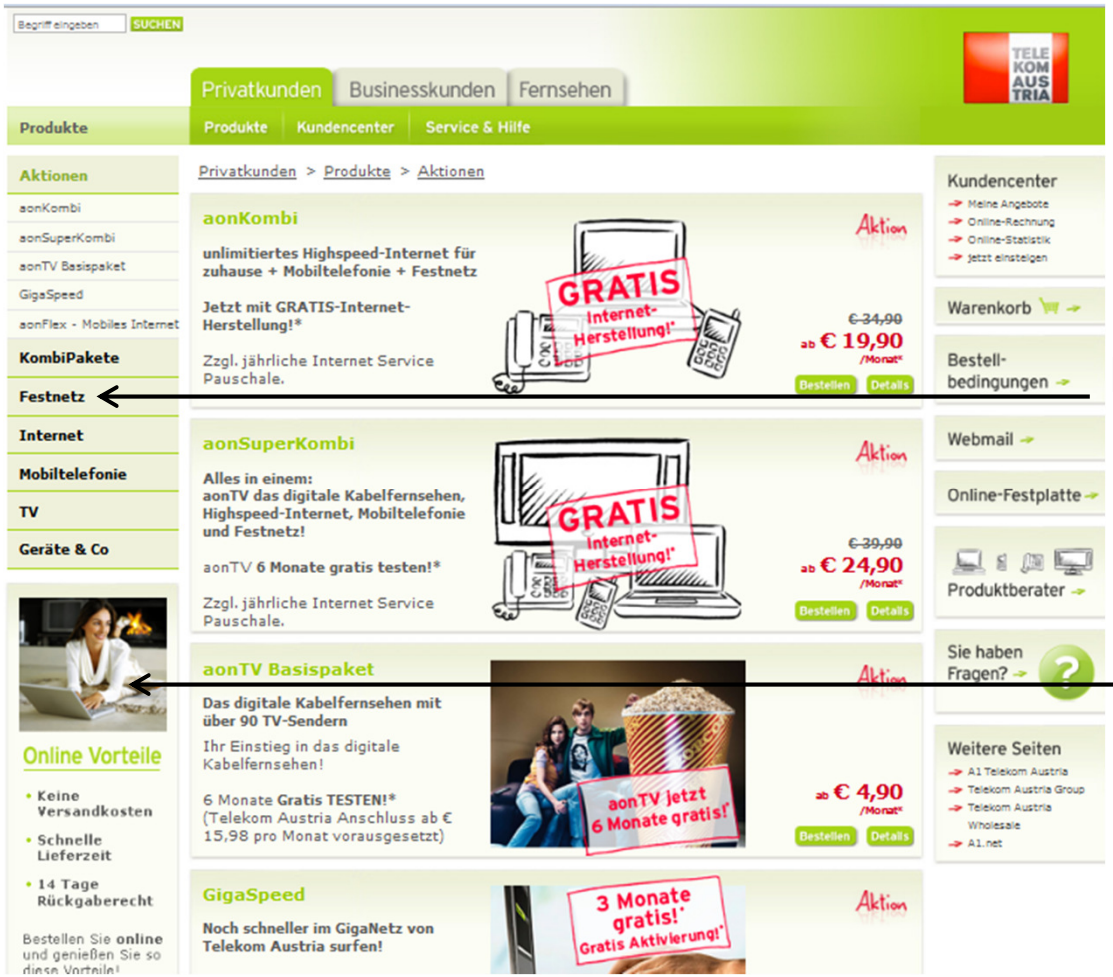
Our Solution



Navigation

Ads

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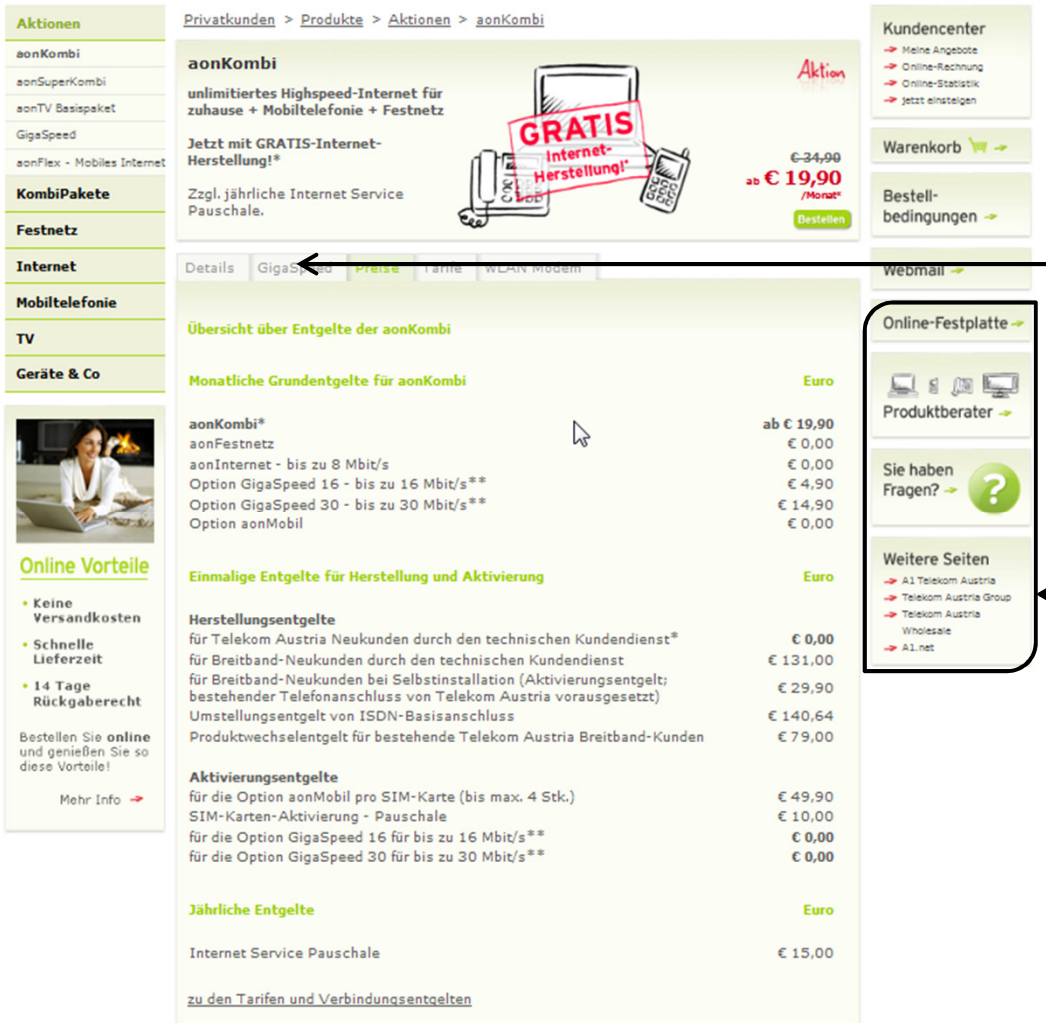
Our Solution



Shareable Product Info

Configurable areas

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Our Solution

- Formulars
- Social Media
- XSL/XSLT transformations
- Shared Content
- Iframes … etc.

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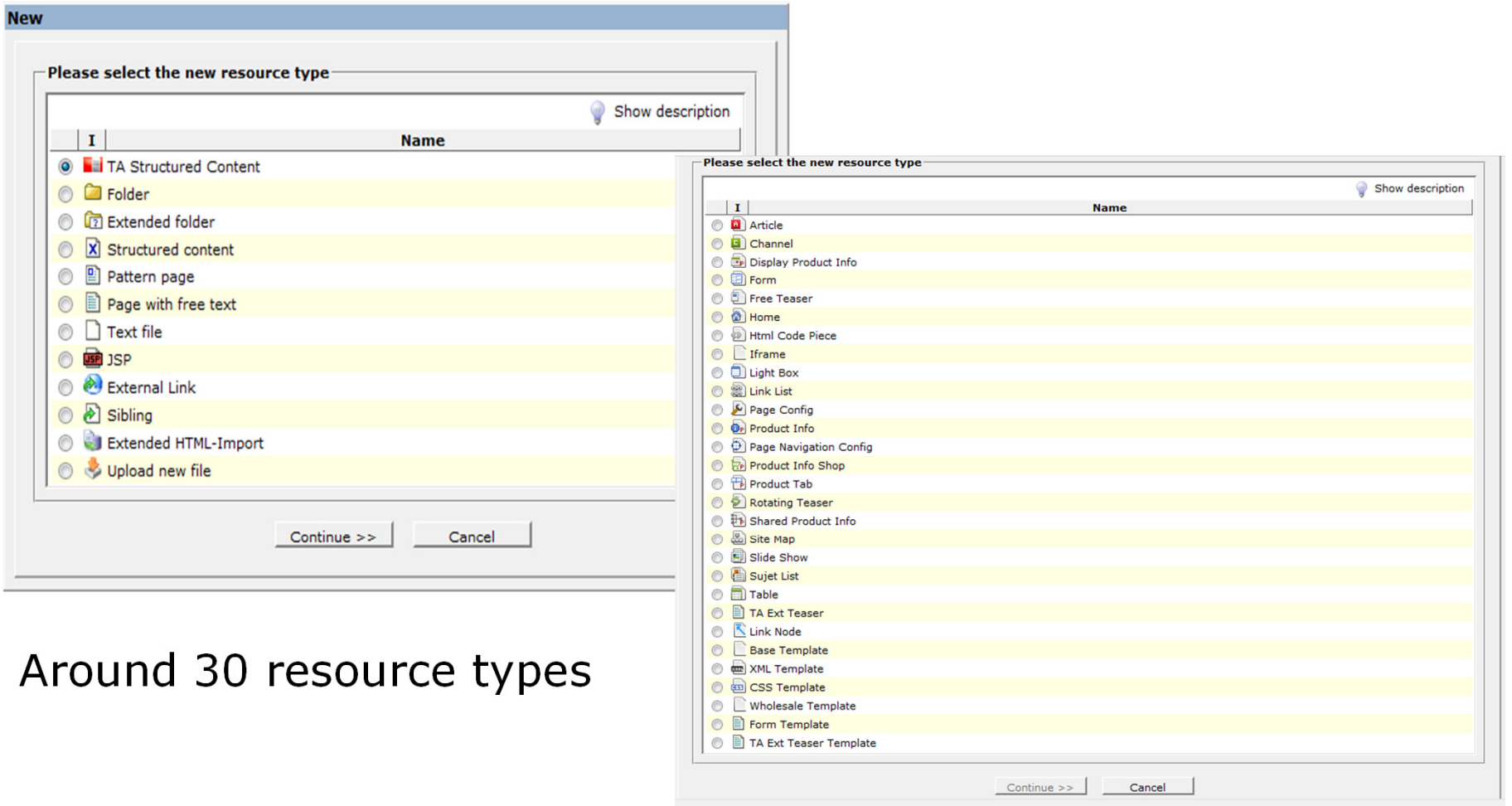
Our Solution



Around 30 resource types

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Our Solution

Metrics

- Couple of thousands of structured content instances
- Up to 2 million hits at peak time

Caching

- Flex cache for start page
- Additional caching features for Velocity
- Our flex cache patch is already included in v. 7.5.4.1

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Special Features

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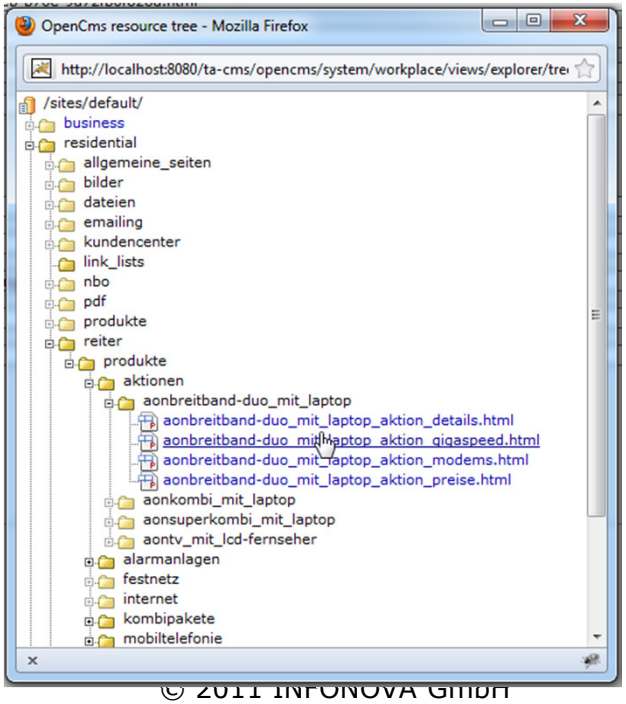
Special Features

File (Filter)

- Extension of File Selector Widget

```
<xsd:element name="ProdTabs" type="OpenCmsVarLink" minOccurs="1" maxOccurs="1" />
```

```
<layout element="ProdTabs" widget="VfsFileWidget"
configuration="hidesiteselector|includefiles|projectaware|resourcetypeNames=TAProductTab" />
```



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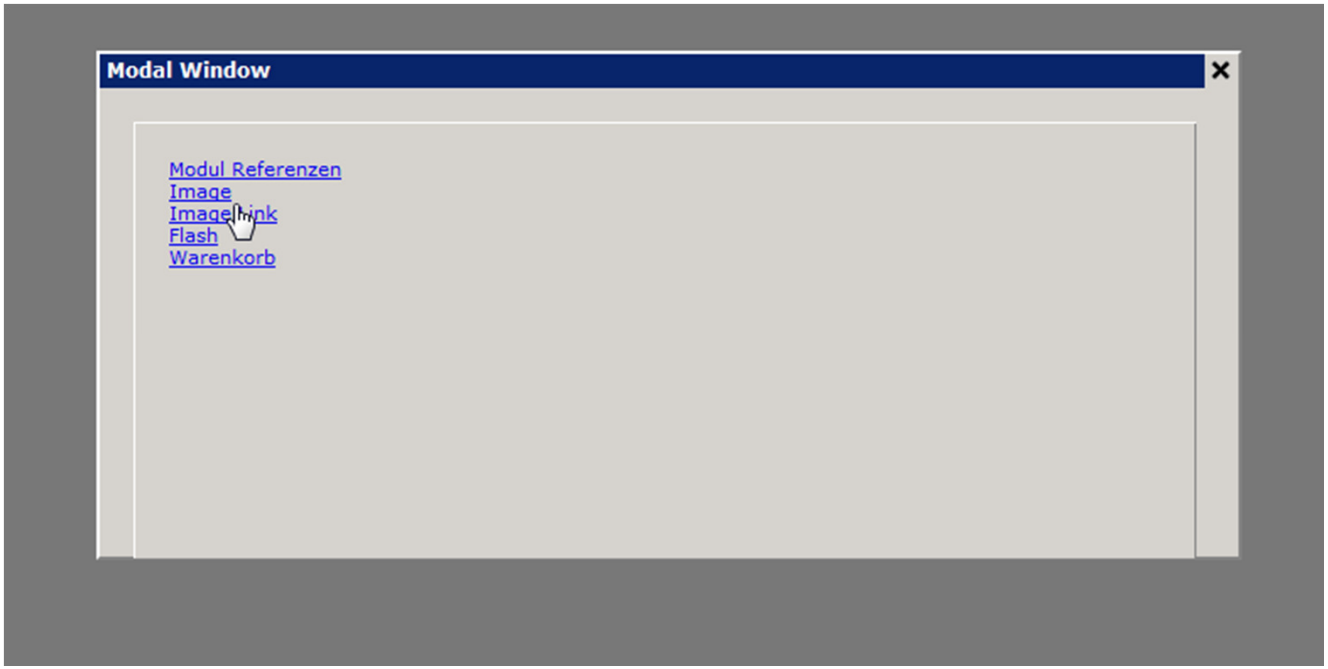
Special Features

<xsd:choice> as extension for restrictive selection

```
<xsd:choice>
    <xsd:element name="ModRef" type="OpenCmsVfsFile" minOccurs="0" />
    <xsd:element name="Image" type="OpenCmsVfsFile" minOccurs="0" />
    <xsd:element name="ImageLink" type="OpenCmsTAImageLinkElement" minOccurs="0" />
    <xsd:element name="Flash" type="OpenCmsTAFlashLinkElement" minOccurs="0" />
    <xsd:element name="ShoppingCart" type="OpenCmsTAShoppingCartElement" minOccurs="0" />
  </xsd:choice>
```



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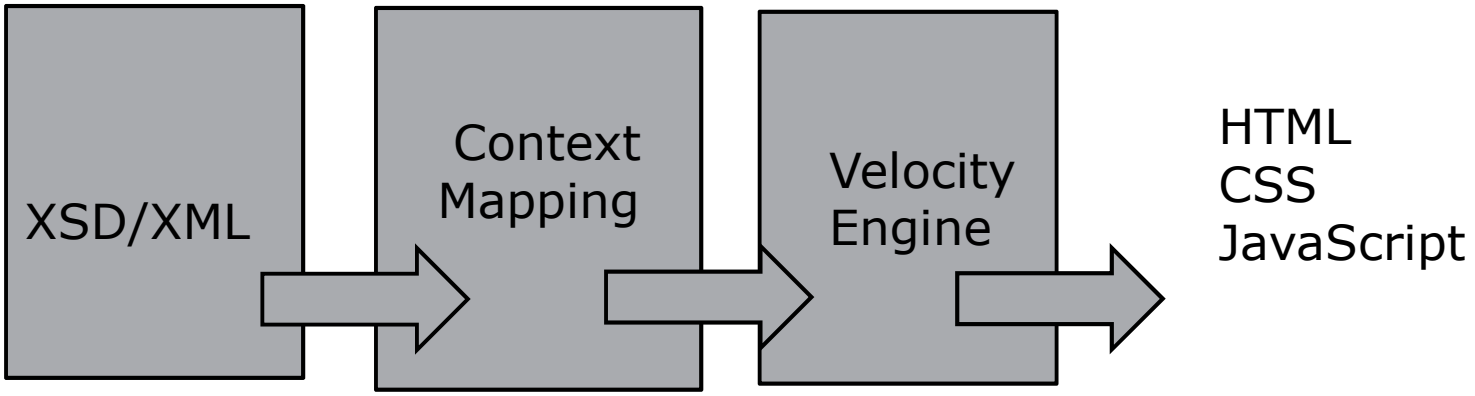
Velocity in OpenCms

- Based on Java Velocity
- Modules:
  - at.infonova.opencms.modules.commons
  - at.infonova.opencms.modules.templatehelper
  - at.infonova.opencms.modules.velocity

Rendering Pipeline



http://sourceforge.net/projects/bp-cms-commons/

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Velocity in OpenCms

OCD.xsd

provides

```
<OCD>
   <Visitor>
      <Name> Selver Softic</Name>
      <Company>Infonova  GmbH</Company>
   </Visitor>
    ….
   <Visitor/>
</OCD>
```

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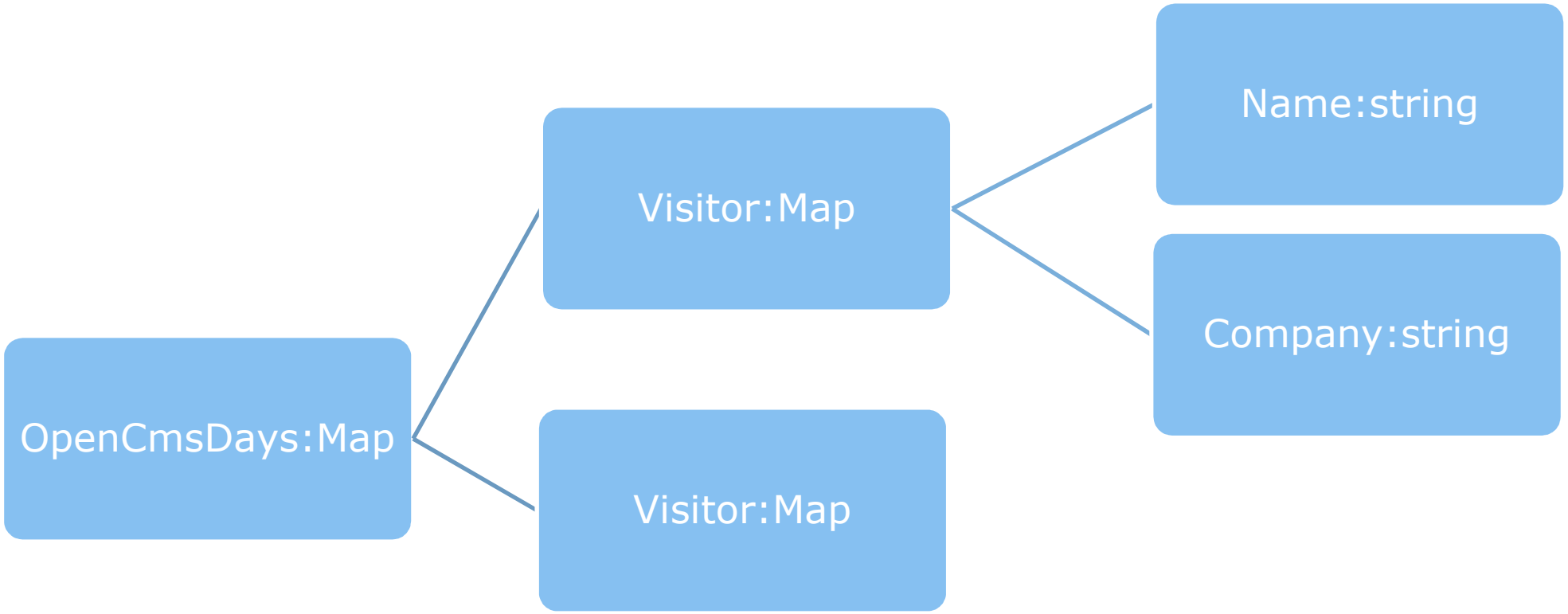
Velocity in OpenCms



Additionally Supported types: bool, date

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Velocity in OpenCms

Currently out the box:

- cms
- servlet
- functions
- velocity

Additionaly implemented for telco solution:

- ta

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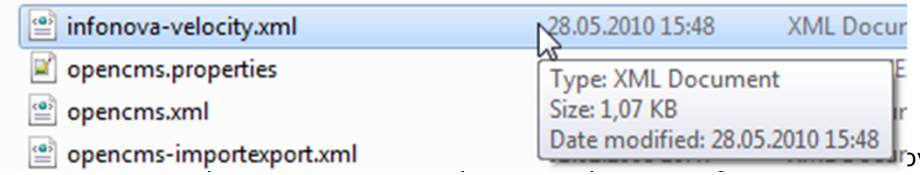
Velocity in OpenCms 101



ova-velocity.dtd">

```
<opencms>
    <velocity>
        <velocity-context-objects>
            <velocity-context-object name="fn"
                factory-class="at.infonova.opencms.modules.velocity.contextobjects.FunctionsContextObject$Factory" />
            <velocity-context-object name="servlet"
                factory-class="at.infonova.opencms.modules.velocity.contextobjects.ServletContextObject$Factory" />
            <velocity-context-object name="velocity"
                factory-class="at.infonova.opencms.modules.velocity.contextobjects.VelocityContextObject$Factory" />
            <velocity-context-object name="directEdit"
                factory-class="at.infonova.opencms.modules.velocity.contextobjects.DirectEditContextObject$Factory" />
            <velocity-context-object name="cms"
                factory-class="at.infonova.opencms.modules.templatehelper.CmsVelocityTemplateHelper$Factory" />
            <velocity-context-object name="ta"
                factory-class="at.telekom.ppp.cms.template.TelekomVelocityContextObject$Factory" />
        </velocity-context-objects>
    </velocity>
</opencms>
```

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Our contributions to OpenCms

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Used Version: Infonova own built Version based on 7.5.3.1

- Infonova Modules :
  - http://bp-cms-commons.sourceforge.net/m2site/infonova/infonova-opencms-demo/7.5.3.1/

at.infonova.opencms.modules.commons	INFONOVA Commons-Help-Classes	INFONOVA Module	1.0
at.infonova.opencms.modules.demo.content	INFONOVA Demo Content-Module	INFONOVA Module	1.0
at.infonova.opencms.modules.demo.template	INFONOVA Demo Template-Module	INFONOVA Module	1.0
at.infonova.opencms.modules.formgenerator	INFONOVA PPP - FormGenerator	INFONOVA Module	1.0
at.infonova.opencms.modules.springmanager	INFONOVA Commons-SpringManager-Module	INFONOVA Module	1.0
at.infonova.opencms.modules.templatehelper	INFONOVA TemplateHelper-Module	INFONOVA Module	1.1
at.infonova.opencms.modules.velocity	INFONOVA Velocity-Module	INFONOVA Module	1.0.2

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Conclusion

Project finished before deadline

Happy editors ☺

Fully integrated solution into technical structure

Licence costs reduced

On time delivery of requirements

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Thank You!

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