

Web Applications with CA Plex and WebsyidianExpress

The Next Level

Presenter

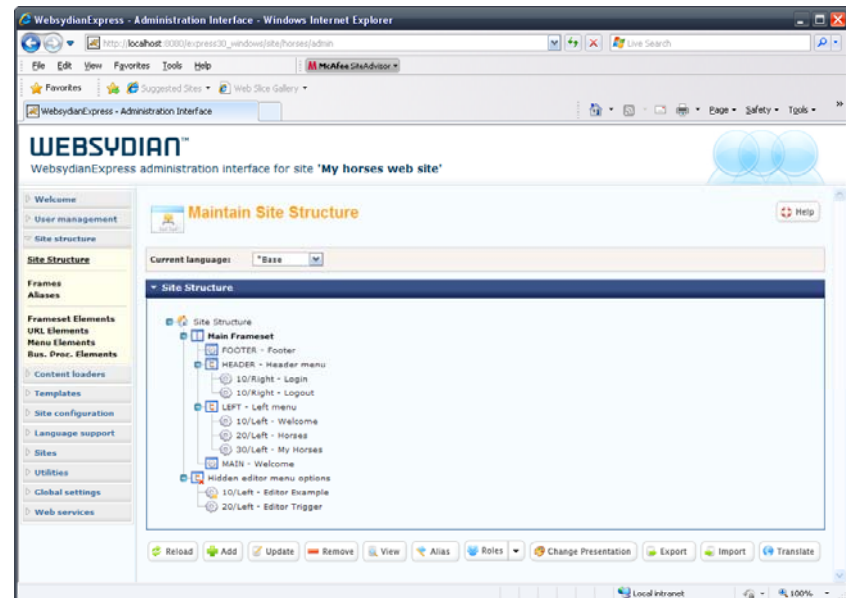


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Lead Architect

Overview

- Reusing existing business processes
- Role driven menus and layout
- Language support

- Live demos

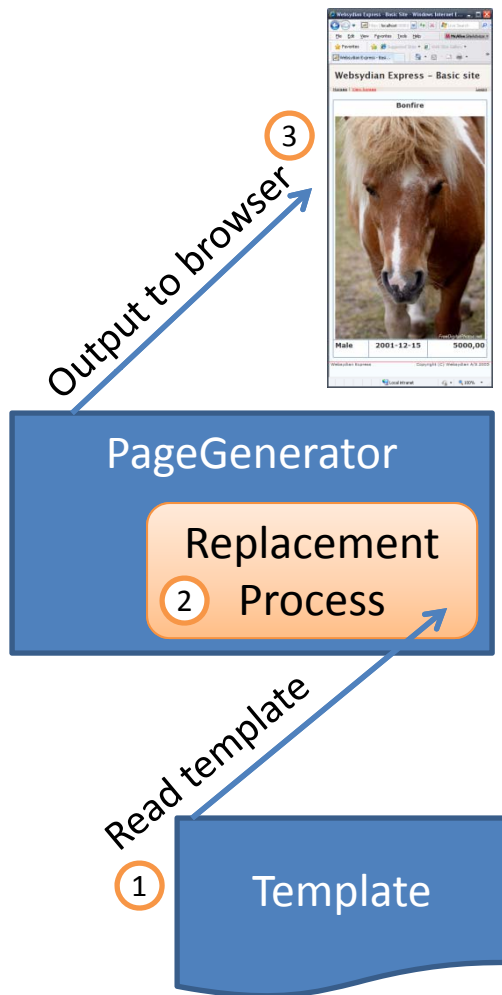


Reuse

- Using existing business process
 - Do not bother the developer
 - You can remove functionality
 - You can change the layout
-
- Introducing templates and presentations



Templates

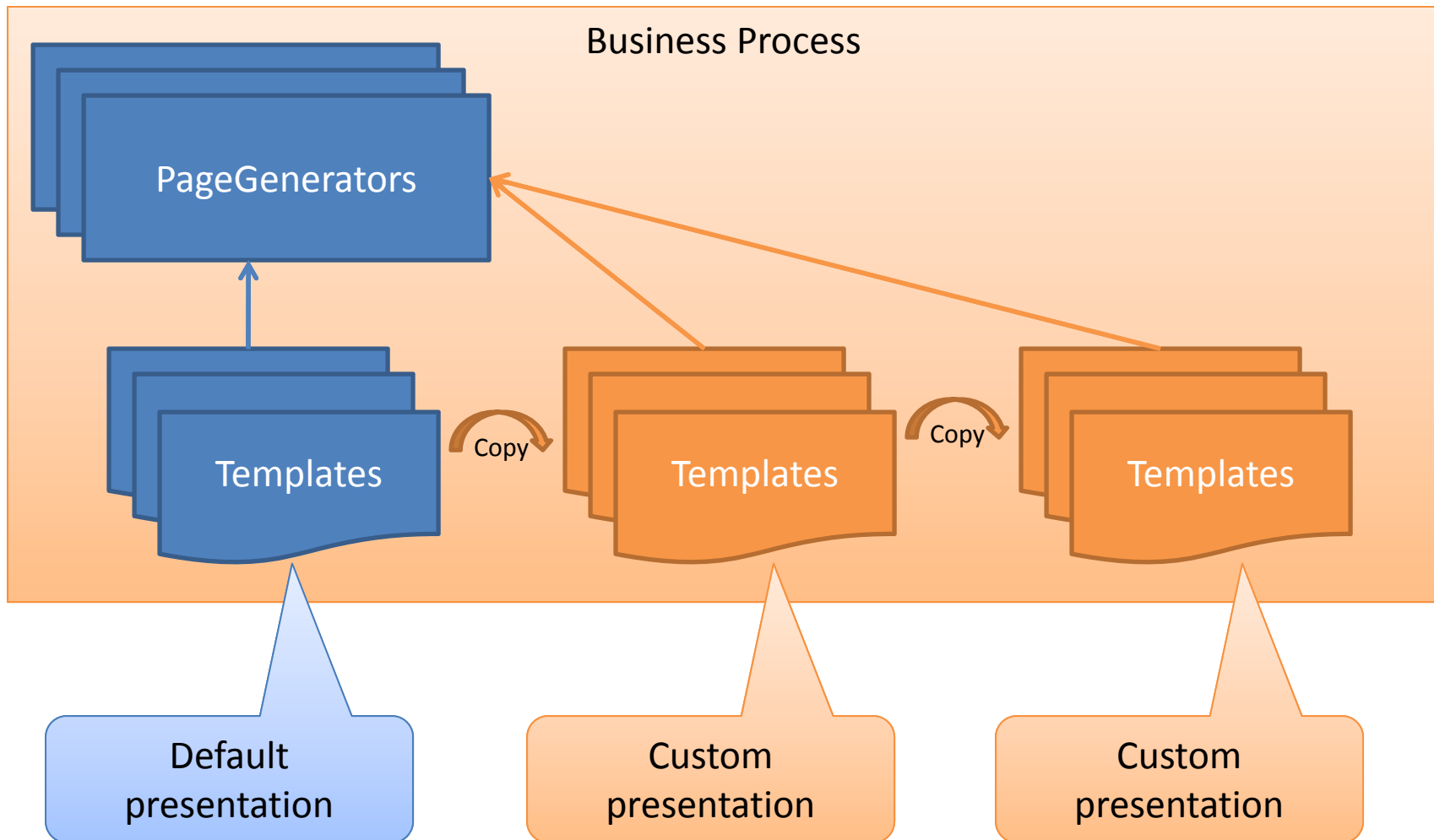


```
<table class="detail">
  <tr>
    <td colspan="3">
      Bonfire
      
    </td>
  </tr>
  <tr>
    <td>Male</td>
    <td>2001-12-15</td>
    <td>5000,00</td>
  </tr>
</table>
```

```
<table class="detail">
  <tr>
    <td colspan="3">
      / (WPNAME)
      
    </td>
  </tr>
  <tr>
    <td>/ (WPGEND) </td>
    <td>/ (WPDATE) </td>
    <td>/ (WPVAL) </td>
  </tr>
</table>
```

Replacement Marker

Presentations

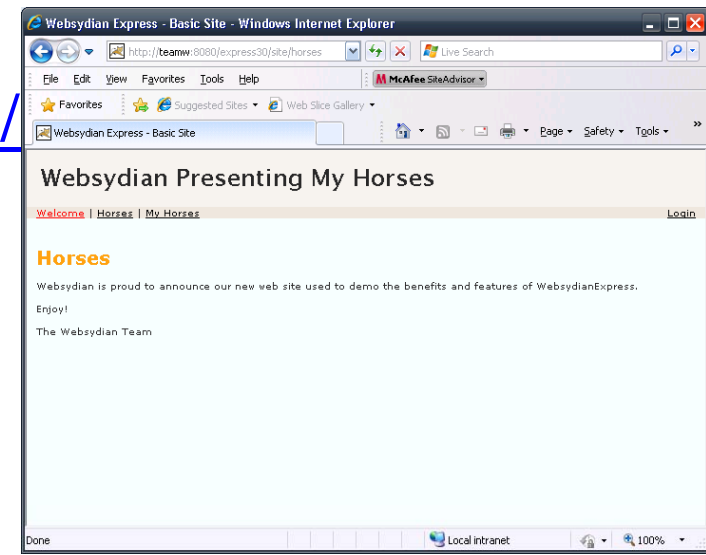


Live demo

Reusing an existing business process

- Introducing the Websyidian horse site
- Maintain horses will become a view horses

<http://localhost:8080/express30/site/>



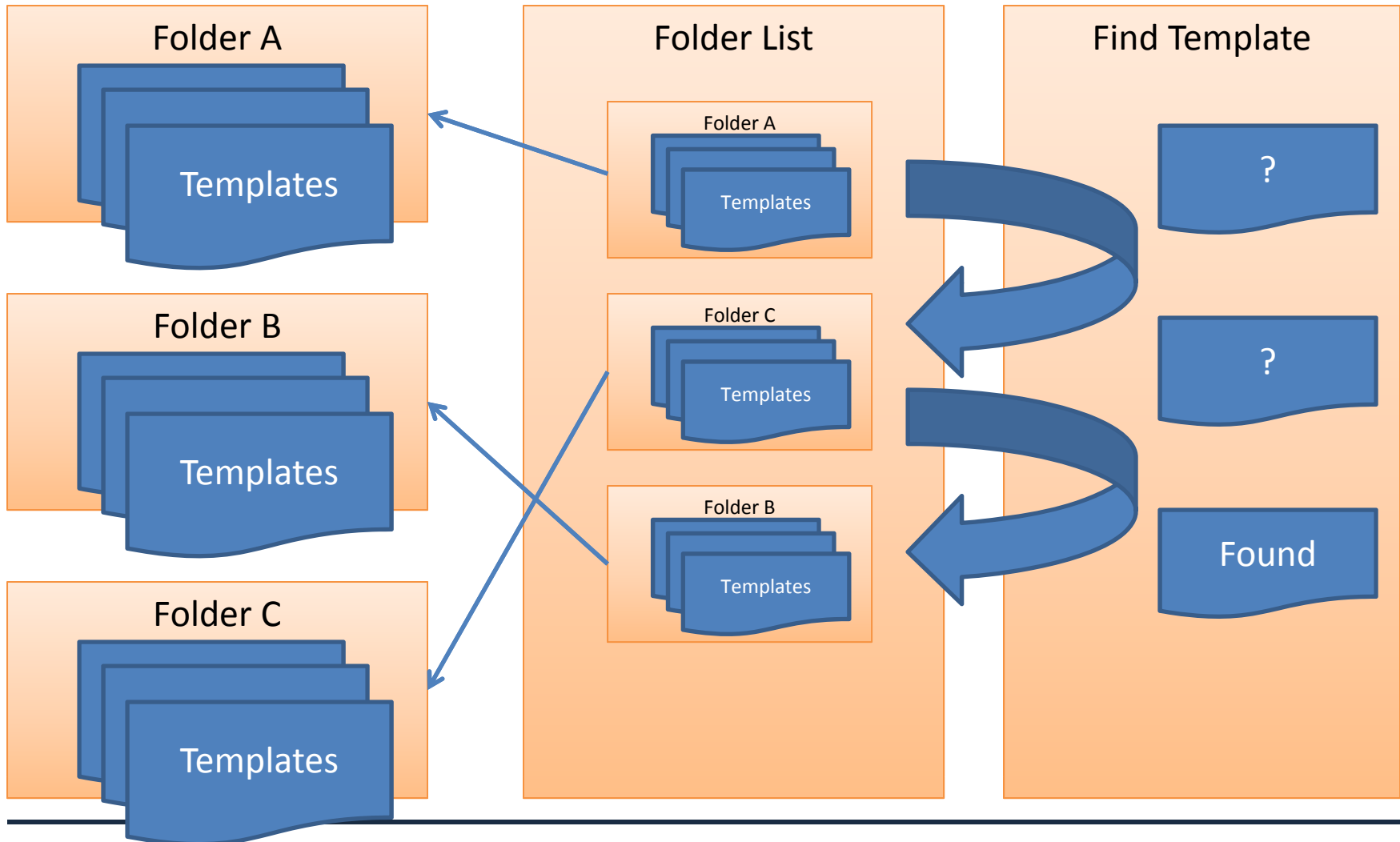
Role driven menus and layout

- Menu items based on roles
- Layout based on roles

- Introducing folders and folder lists



Folders and Folder Lists



Live demo

Role driven menus and layout

- Changing the horse web site

<http://localhost/express30/site/horse>

Language support

- Provide sites in different languages
 - Translate menu items
 - Translate templates
 - Translate messages sent to users
 - Allow users to change language
-
- Developers using WebsyidianExpress text messages takes advantage of translated texts



Live demo

Language support

- Providing horse site in more than one language

<http://localhost/express30/site/horse>

Recap

- Reuse your existing business processes when possible
- Take advantage of role based menus out of the box
- Use role based layout to give specific users other information or experiences.
- Provide translated sites, translating menus, templates and message texts.

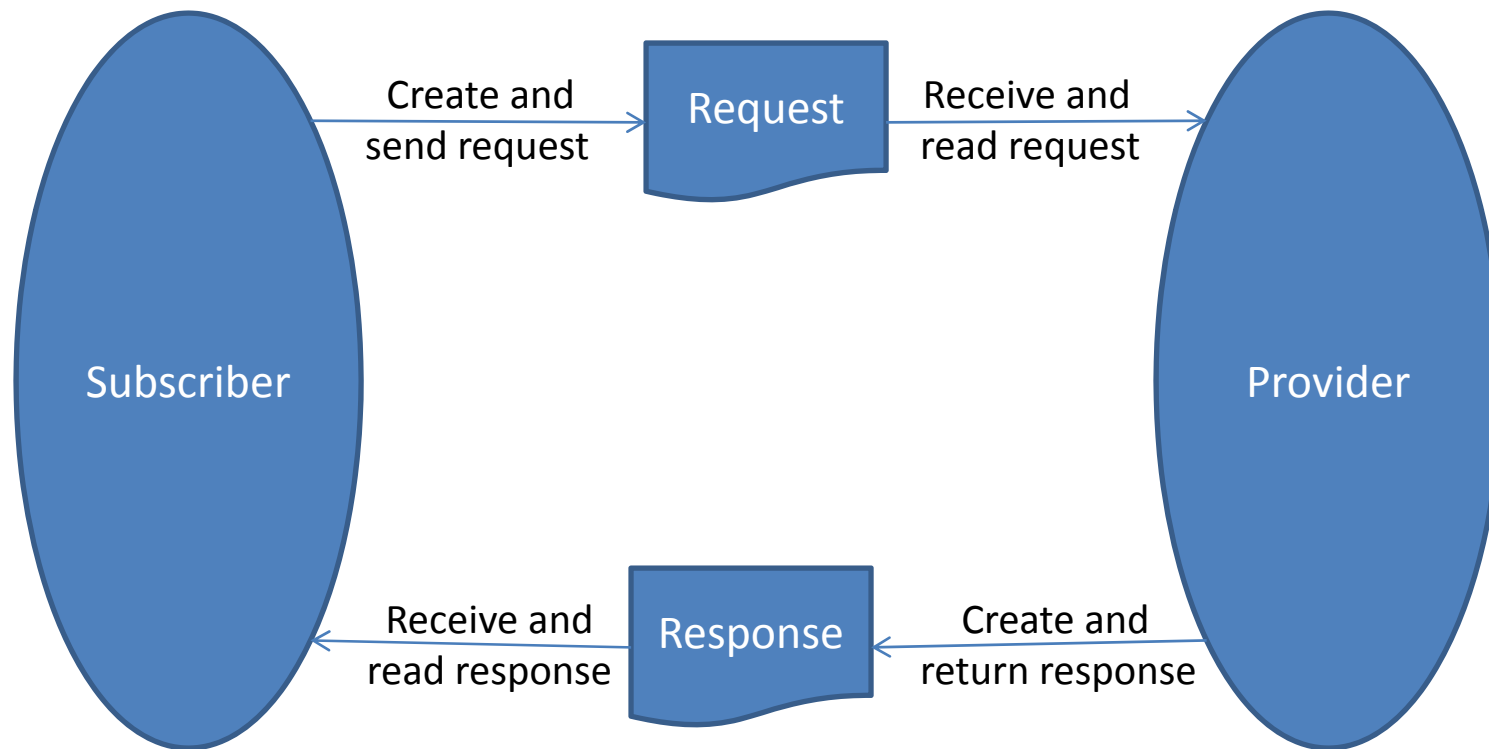
And now for something completely different



Web Services - Goals

- Easier deployment of web services for TransacXML
- Creating non-XML based web services
- Provide an overview of services
- Framework for monitoring of services

Web Services – Interface Overview



Web services – details

- Http-based only
- SOAP 1.1 and non-SOAP XML-based services
 - In Java, Windows and Windows/iSeries variants
 - Processing using TransacXML patterns
- File-based services
 - All variants
- Publish services using the administration interface
 - Define criteria that determine the program to call
 - Define data type and pre/post processing
 - File
 - XML
 - SOAP

SOAP Pre-Processing

SOAP Request

```
<?xml version="1.0" encoding="utf-8" ?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
- <SOAP-ENV:Body>
  - <ws:Request xmlns:ws="http://www.websyodian.com/services/greet">
    <ws:firstName>John</ws:firstName>
    <ws:lastName>Doe</ws:lastName>
  </ws:Request>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Body document

```
<?xml version="1.0" encoding="UTF-8" ?>
<ws:Request xmlns:ws="http://www.websyodian.com/services/greet">
  <ws:firstName>John</ws:firstName>
  <ws:lastName>Doe</ws:lastName>
</ws:Request>
```



Example

- A service that returns an XML document containing information about all the horses
- No request document – all horses are always returned

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<horses xmlns="http://www.websybian.com/express/services/horse">
- <horse ID="1">
  <name>Bonfire</name>
  <gender>M</gender>
  <value>5000</value>
  <birth>2009-08-28</birth>
</horse>
+ <horse ID="2">
+ <horse ID="3">
+ <horse ID="4">
</horses>
```

Questions

