

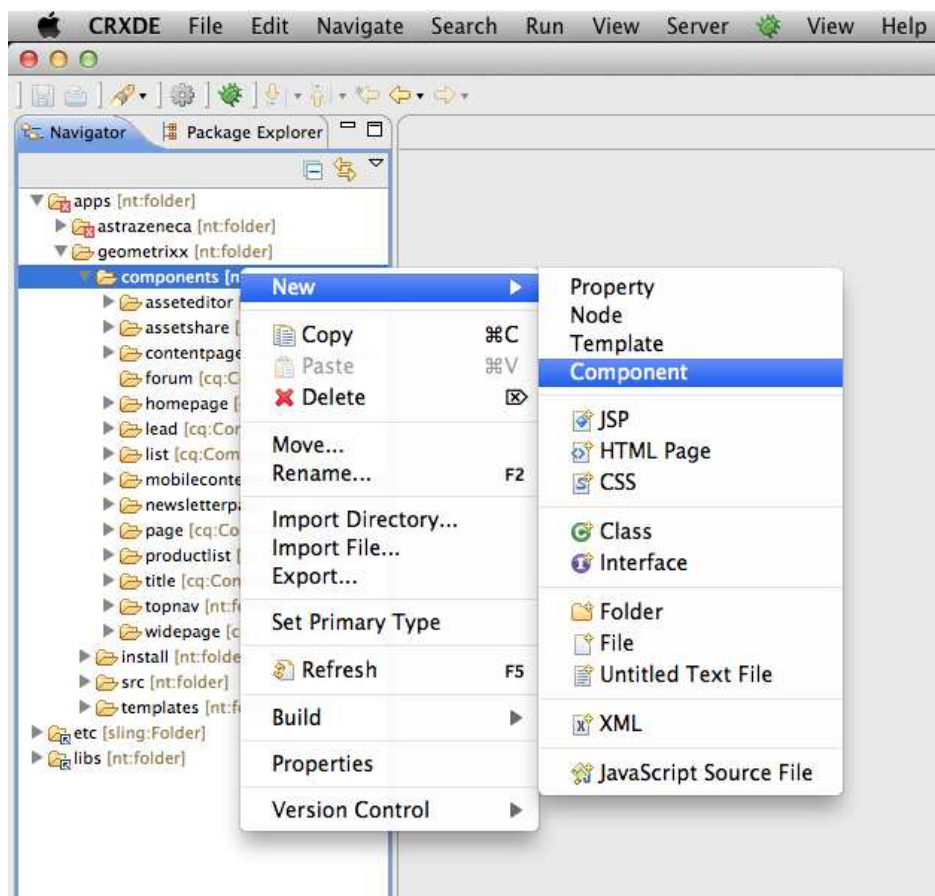
CQ5 Internationalization (i18n)

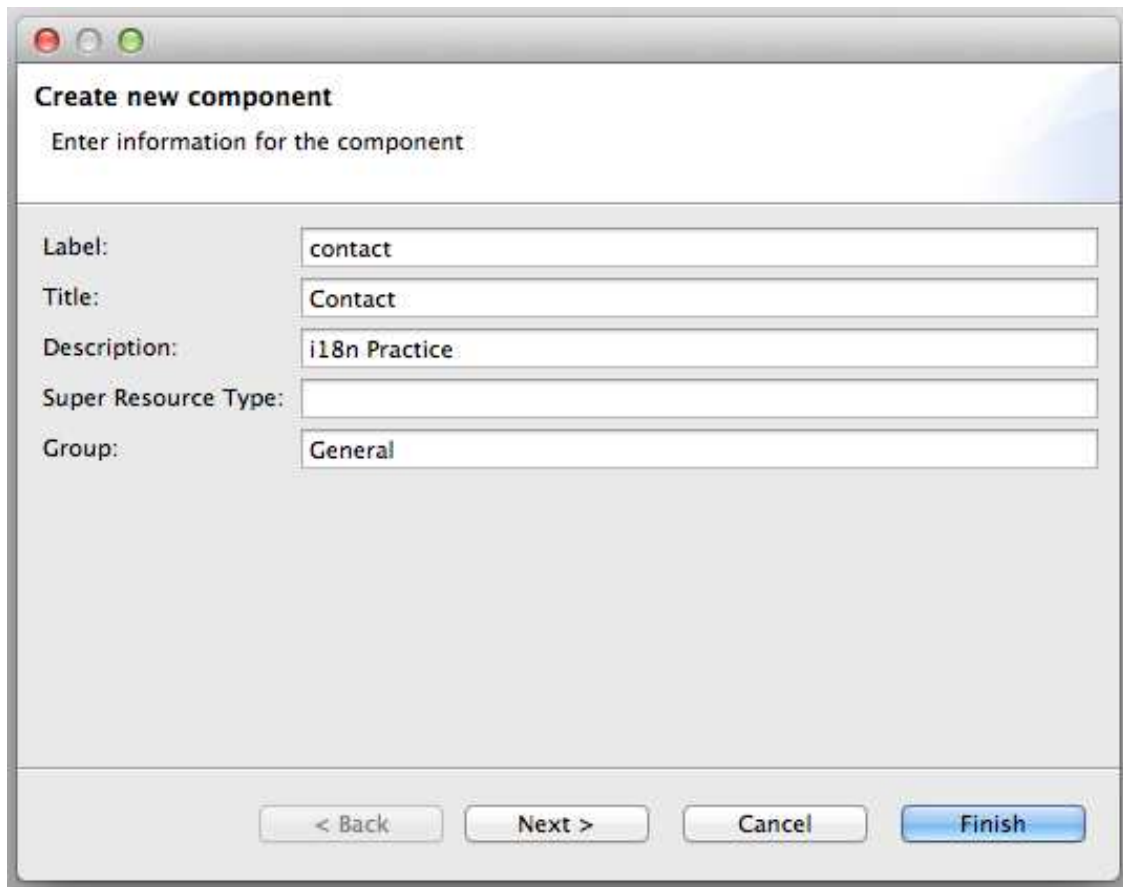
i18n capabilities allow you to provide dynamic "messages" based on the visitors language.

Internationalization is stored in the repository under nodes (nodeType sling:Folder) named i18n. The children nodes (nodeType sling:Folder + mixin mix:language) of the i18n node represent languages and are named after the ISO code of the languages that should be supported (e.g. es, en, de, fr, etc.). Below these language nodes are the message nodes (nodeType sling:MessageEntry), which will contain a simple key-message pair.

Practice:

1. In order to test internationalization features, we're going to create a new Contact component under the existing geometrixx demo site

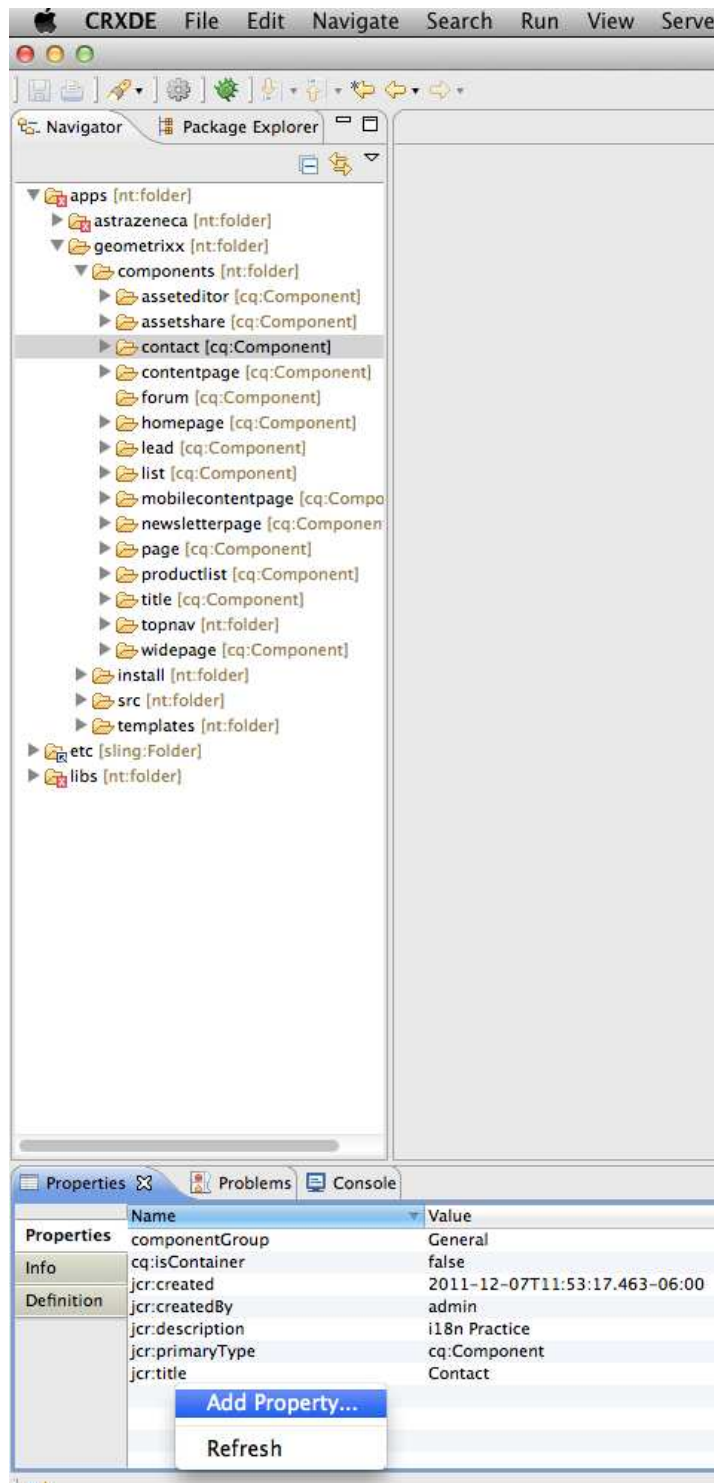




Create new component
Enter information for the component

Label:	<input type="text" value="contact"/>
Title:	<input type="text" value="Contact"/>
Description:	<input type="text" value="i18n Practice"/>
Super Resource Type:	<input type="text"/>
Group:	<input type="text" value="General"/>

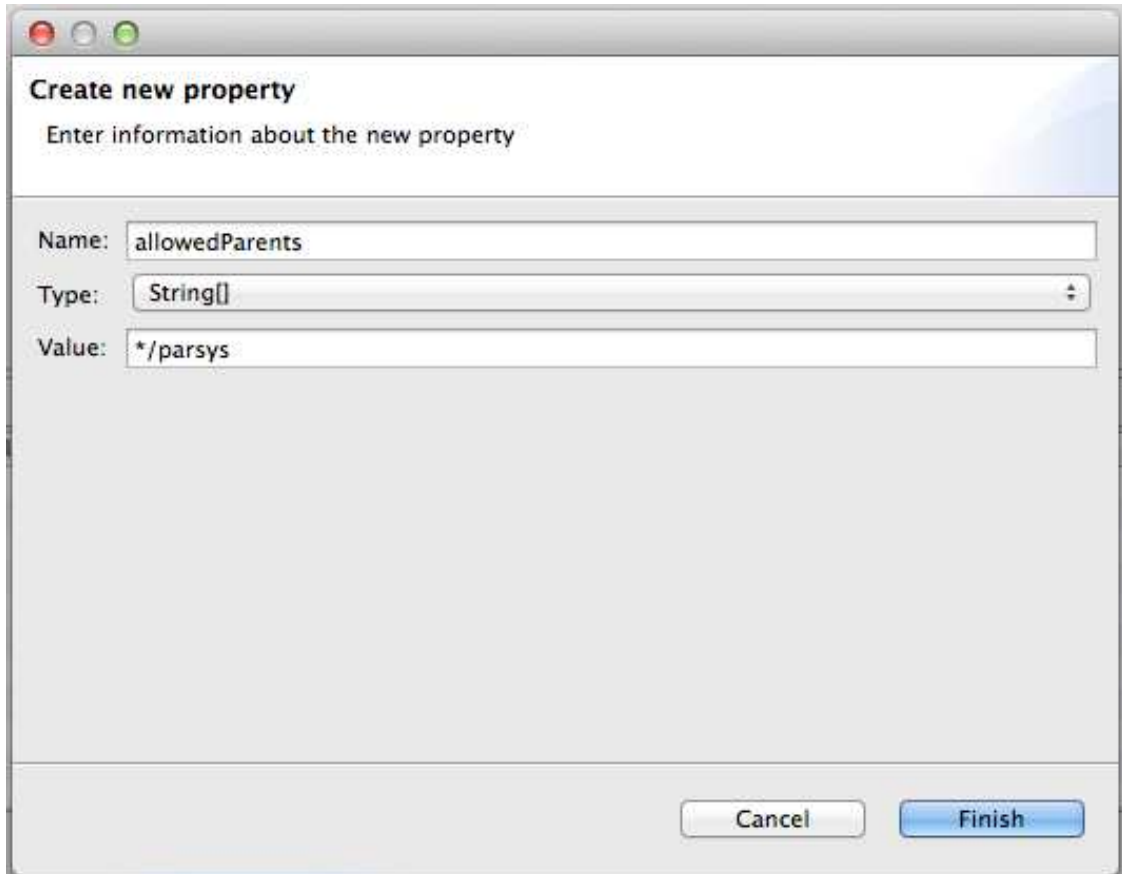
2. Then add a new property for the Contact component:



Name : allowedParents

Type : String[]

Value : */parsys



Create new property

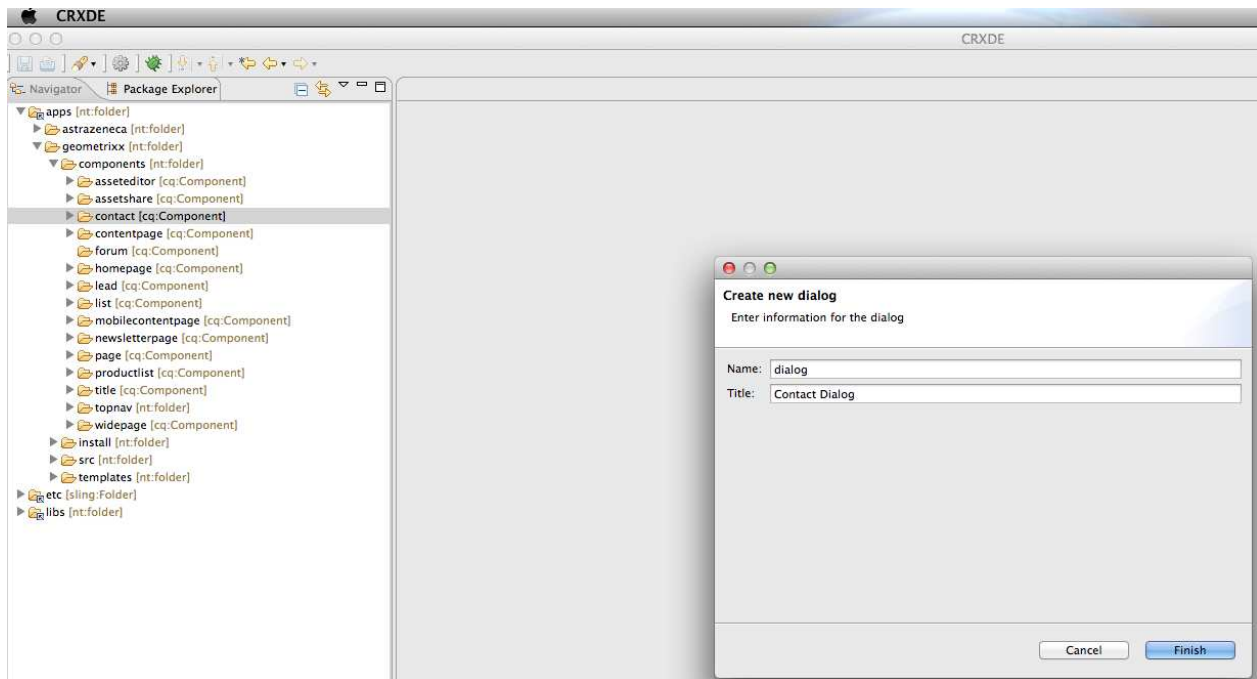
Enter information about the new property

Name:

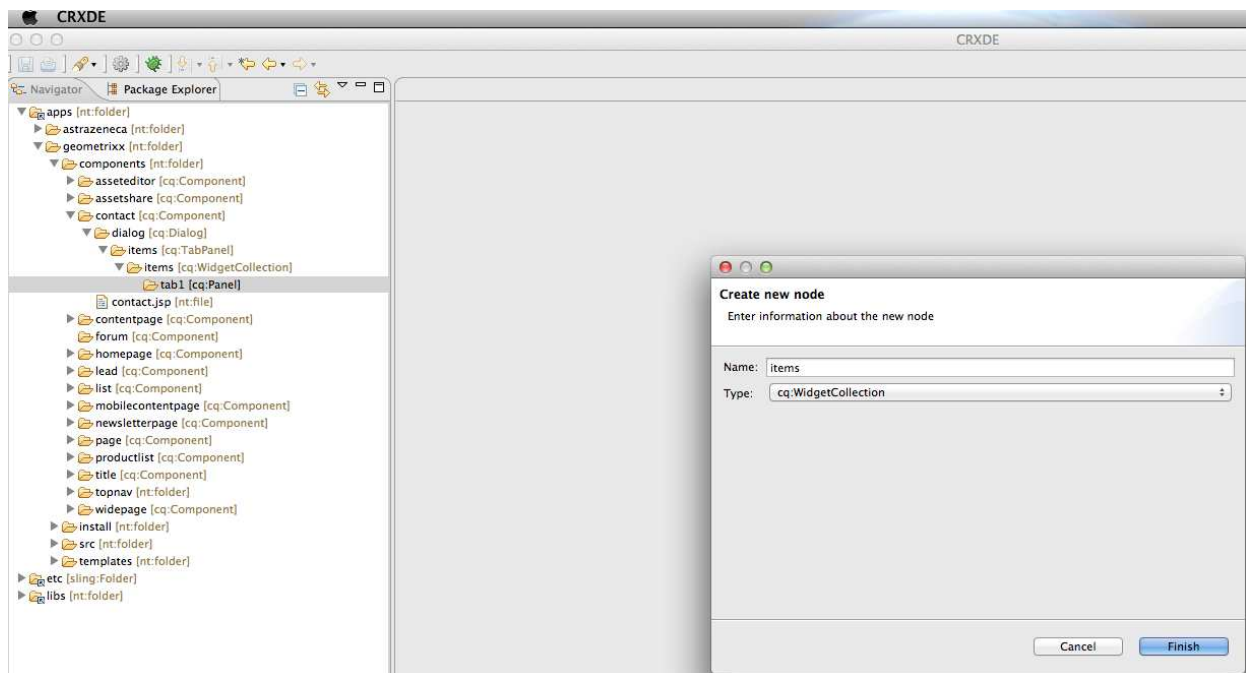
Type:

Value:

3. Create a new Dialog for the Contact Component.



4. Create an items node (nodeType cq:WidgetCollection) under the tab 1 node of the

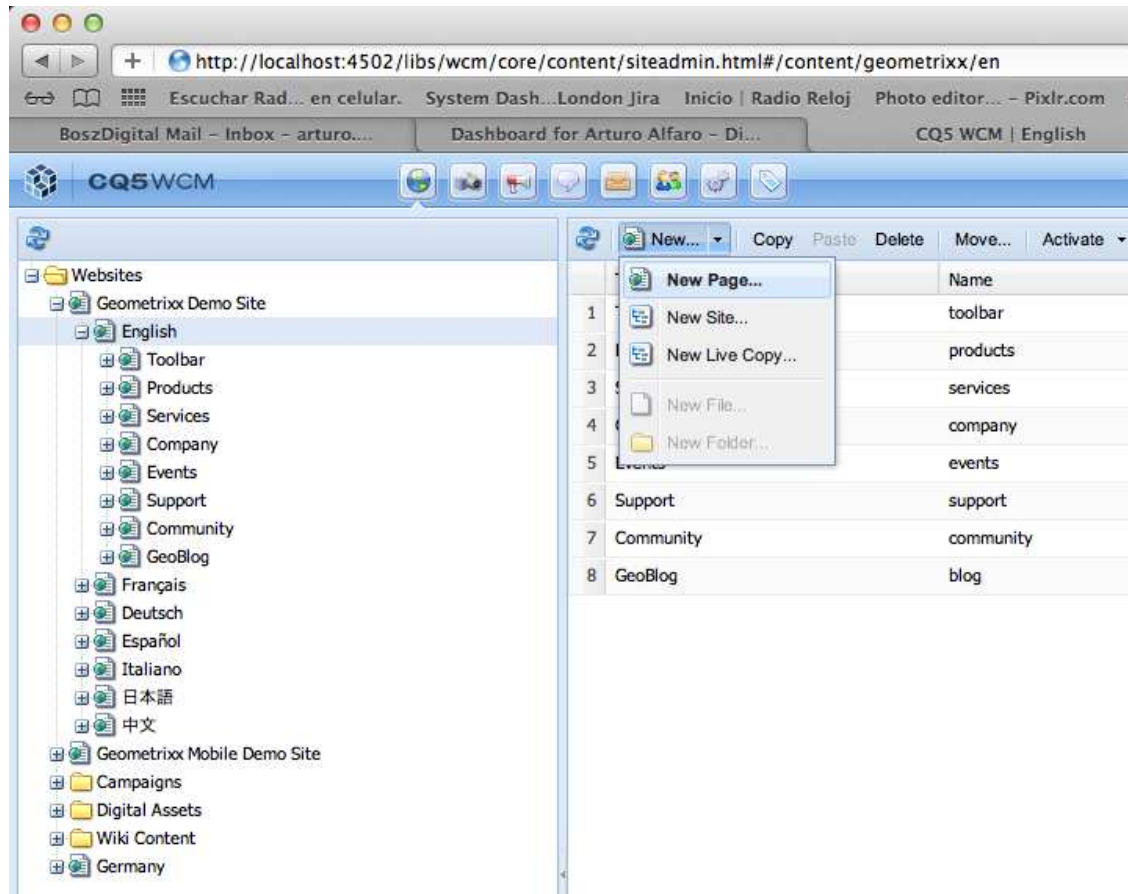


5. Open the **contact.jsp** file and fill it with the following content:

```
<%@include file="/libs/foundation/global.jsp"%>

<table>
  <tr>
    <td>
      <label for="Name">Name</label>
    </td>
    <td>
      <input type="text" name="Name" id="Name" />
    </td>
  </tr>
  <tr>
    <td>
      <label for="City">City</label>
    </td>
    <td>
      <input type="text" name="City" id="City" />
    </td>
  </tr>
  <tr>
    <td>
      <label for="Email">Email</label>
    </td>
    <td>
      <input type="text" name="Email" id="Email" />
    </td>
  </tr>
  <tr>
    <td>
      <label for="Message">Message</label>
    </td>
    <td>
      <textarea name="Message" id="Message" rows="10"
cols="15"></textarea>
    </td>
  </tr>
  <tr>
    <td colspan="2" align="right">
      <input type="submit" name="Submit" id="Submit" />
    </td>
  </tr>
</table>
```

6. Then go to CQ5 WCM and under : Websites/Geometrixx Demo Site/English
Create a new Page “Contact”




Create Page


Title

* Contact


Name



Geometrixx Content Page
Generic template for most Geometrixx pages



Geometrixx Homepage
Create a Geometrixx top level homepage - usually used as entry page for a new language tree.



Geometrixx Asset Share
Create a Geometrixx Asset Share page to find and manage digital assets.

Create

Cancel

7. Open the just created Contact page, go to design mode on the sidekick, then edit Design of par

↑

PRODUCTS ▾

SERVICES ▾

COMPANY ▾

EVENTS ▾

SUPPORT ▾

COMMUNITY

CONTACT

Design of breadcrumb Edit

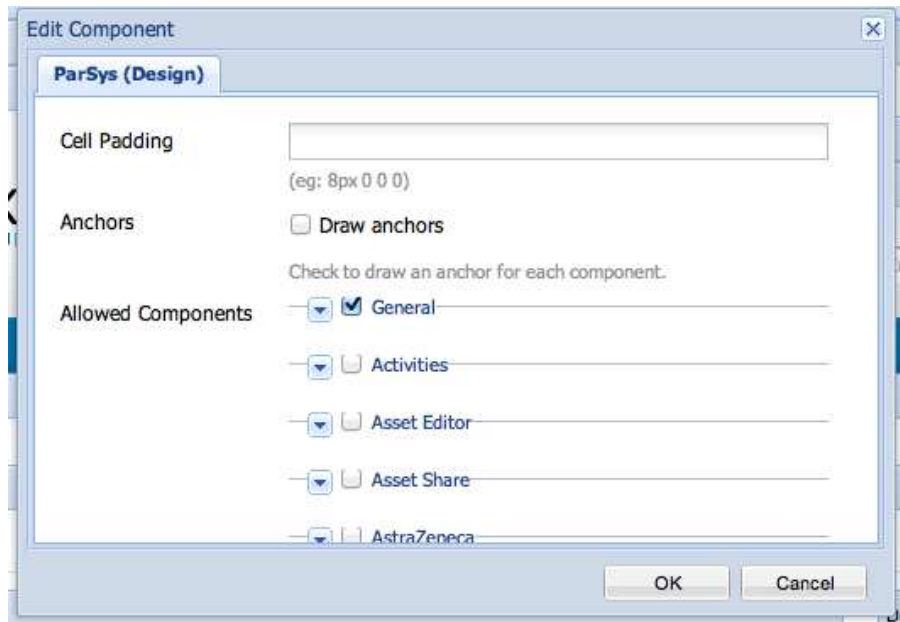
English »

Design of title Edit

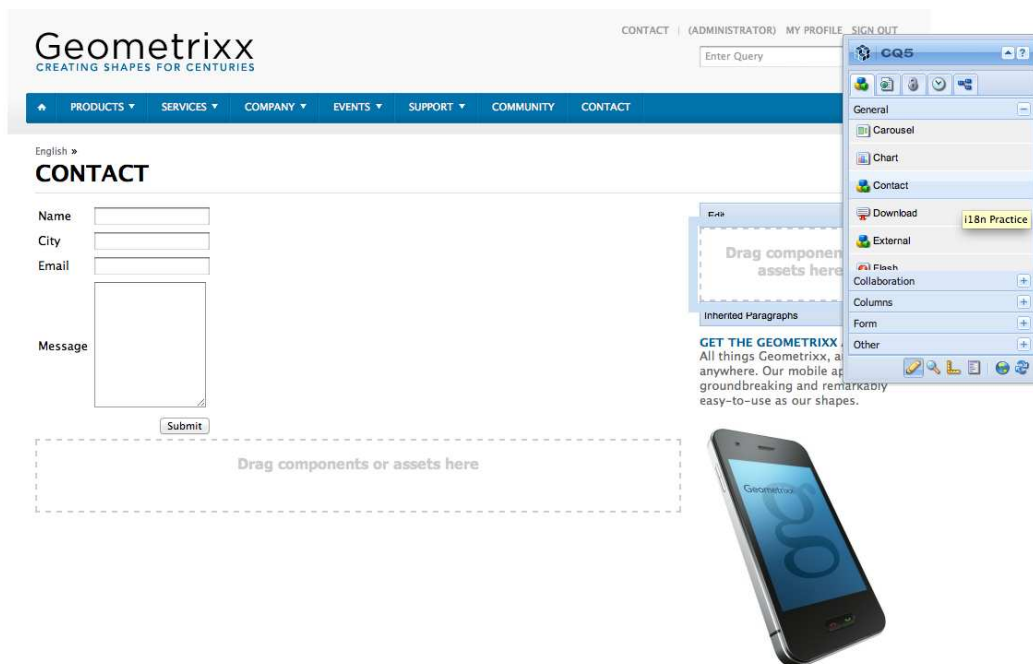
CONTACT

Design of par Edit

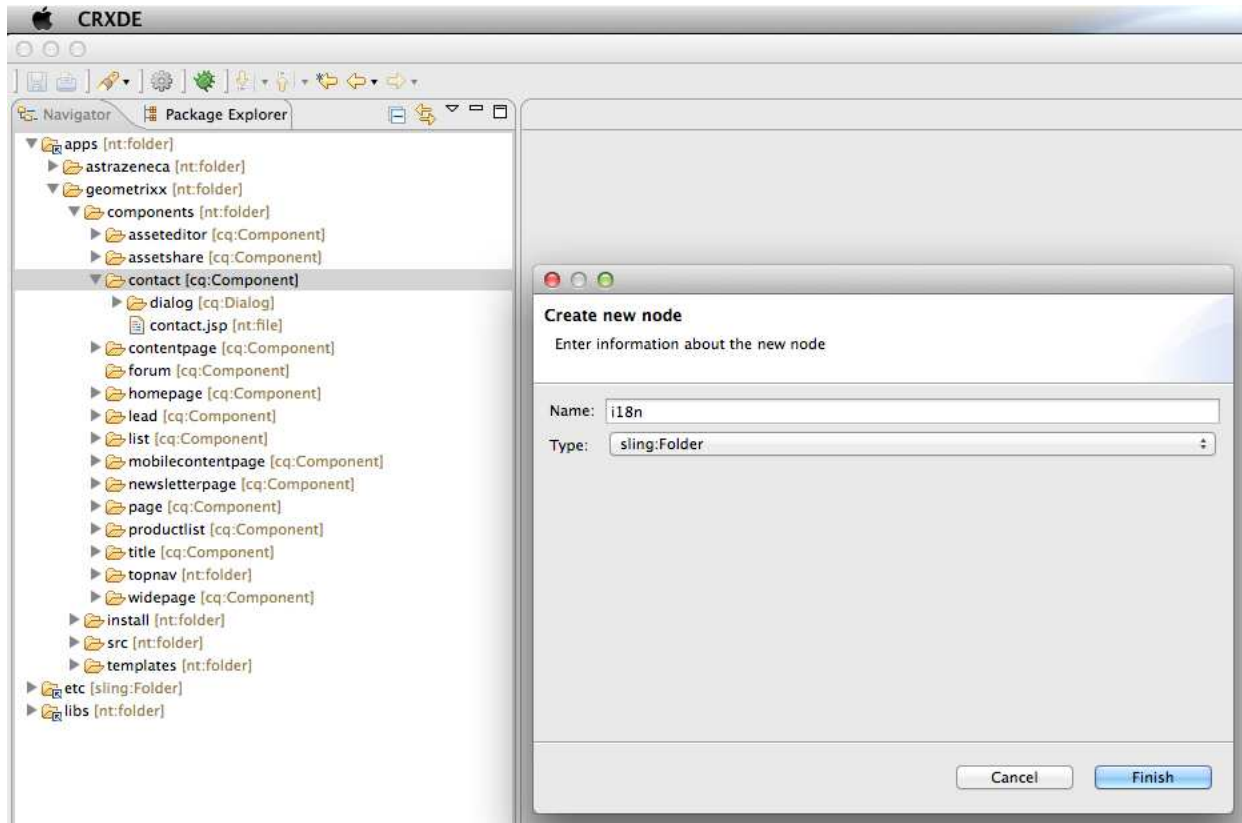
8. Check General on Allowed Components section



9. Then go back to the author mode, and drag and drop the Contact Component to the parsys section, as result you must see the following screen:

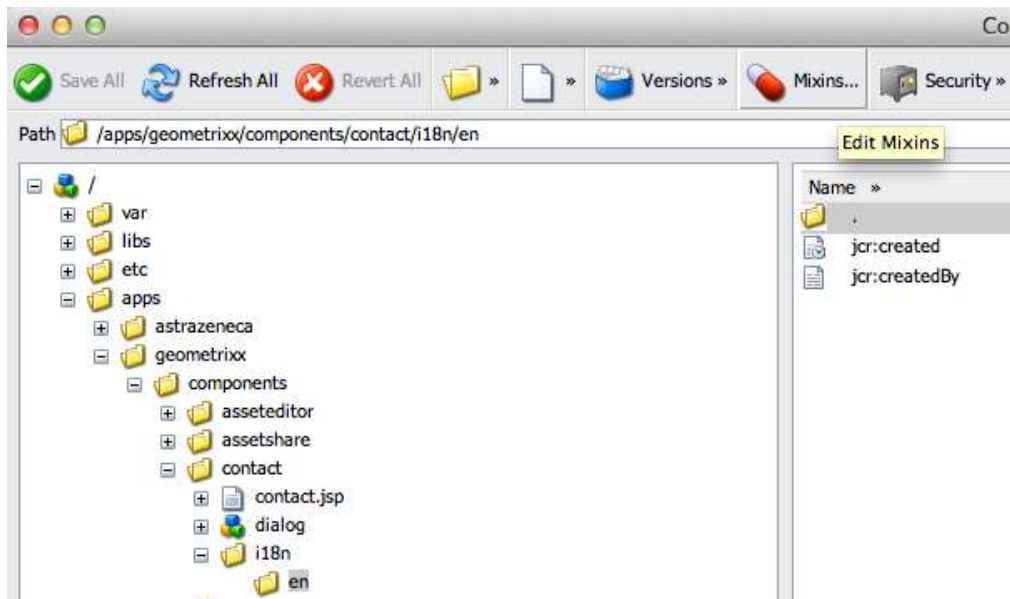


10. Now let's start working on i18n stuff, create an **i18n** node (nodeType sling:Folder) under the root node of the title Component.
(e.g. /apps/geometrixx/components/contact)

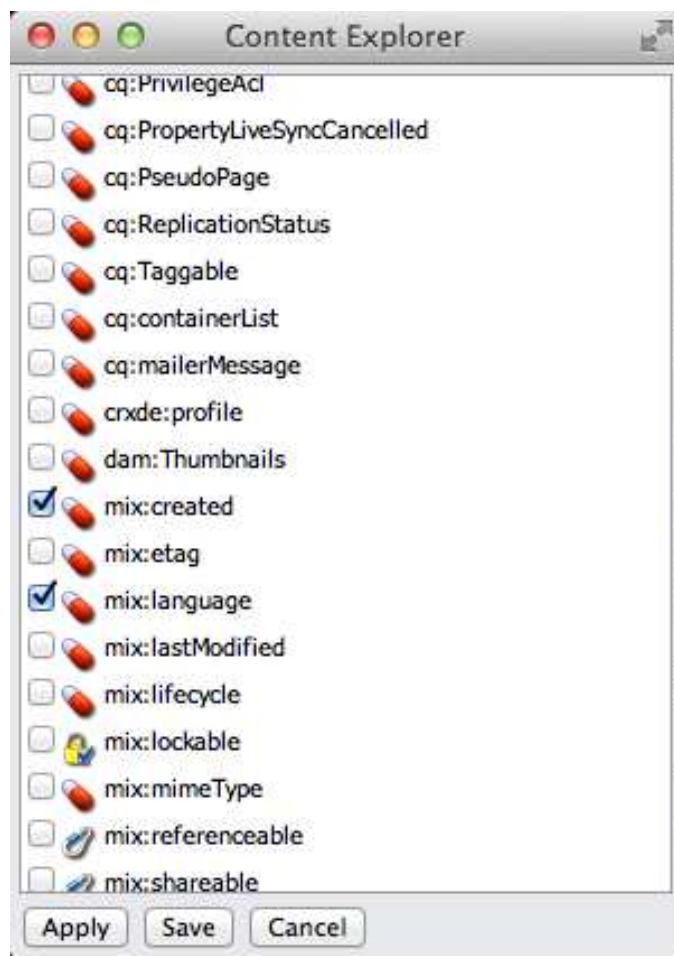


11. Create an **en** node (nodeType sling:Folder) under the newly created i18n node.

12. Open a Content Explorer window and assign the **mixin**, mix:language to the newly created en node. Although they appear to be represented as properties, **mixins** are used to add functions to a node. They are basically reusable feature sets that can be added to any node type.



13. Choose mixin (mix:language)



14. Return to CRXDE. Refresh the **en** node.

15. Set the following property on the newly created **en** node:

Name : jcr:language

Type : String

Value : en

The screenshot shows the CRXDE (Adobe Experience Manager) interface. The Package Explorer on the left displays a tree structure of nodes. The 'en' node, which is a folder of type 'nt:folder', is selected under the 'i18n' folder. The Properties panel at the bottom shows the following details for the selected 'en' node:

Properties	Name	Value	Type
Info	jcr:created	2011-12-07T15:30:28.732-06:00	Date
	jcr:createdBy	admin	String
Definition	jcr:language	en	String
	jcr:mixinTypes	mix:language	Name
	jcr:primaryType	nt:folder	Name

16. Create a ***label_name*** node (nodeType sling:MessageEntry) under the newly created ***en*** node.

17. Assign the following properties to the newly created ***label_name*** node:

- The property that identifies the message key
 - Name = sling:key
 - Type = String
 - Value = label_name
- The property that identifies the message
 - Name = sling:message
 - Type = String
 - Value = Name

18. Create a ***label_city*** node (nodeType sling:MessageEntry) under the newly created ***en*** node.

19. Assign the following properties to the newly created ***label_city*** node:

- The property that identifies the message key
 - Name = sling:key
 - Type = String
 - Value = label_city
- The property that identifies the message
 - Name = sling:message
 - Type = String
 - Value = City

20. Create a ***label_email*** node (nodeType sling:MessageEntry) under the newly created ***en*** node.

21. Assign the following properties to the newly created ***label_email*** node:

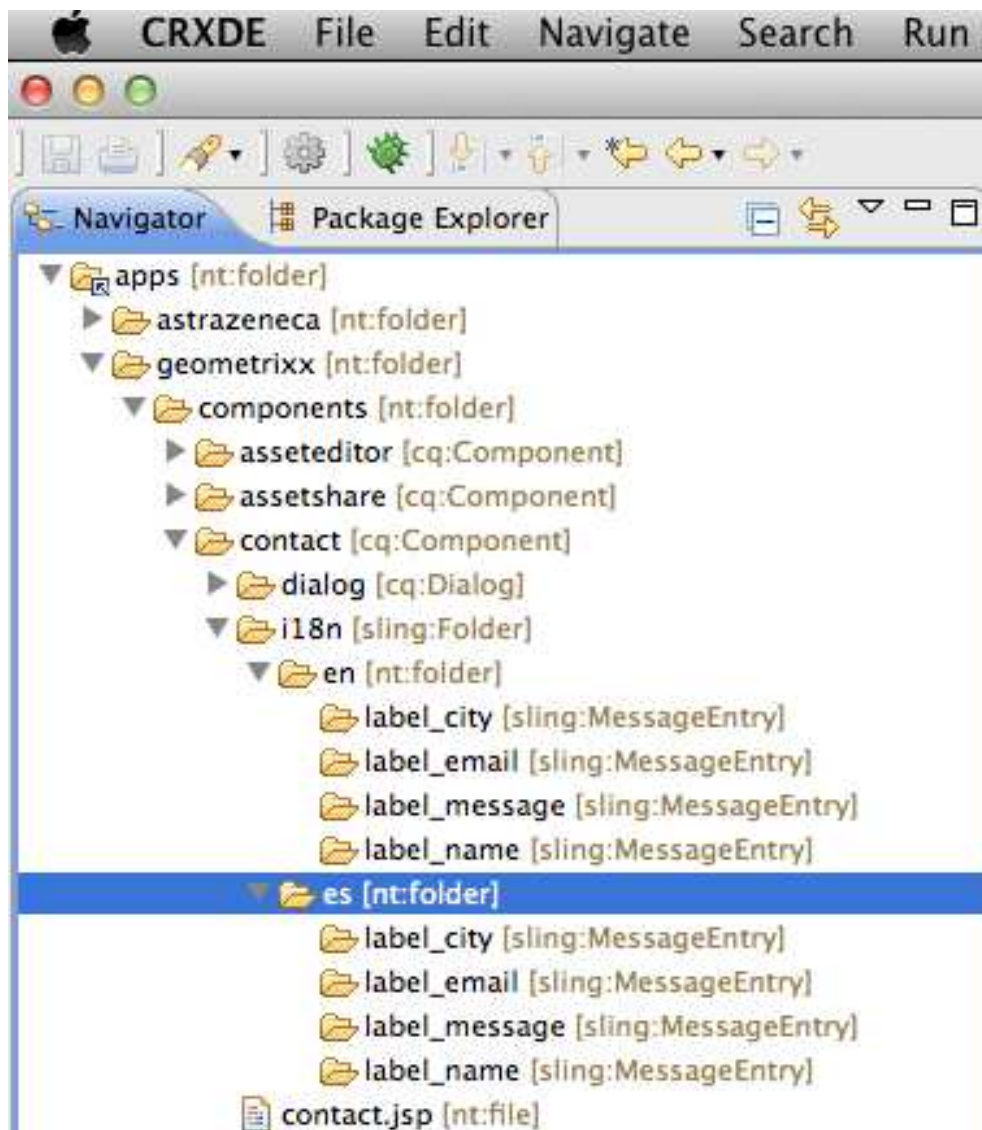
- The property that identifies the message key
 - Name = sling:key
 - Type = String
 - Value = label_email
- The property that identifies the message
 - Name = sling:message
 - Type = String
 - Value = Email

22. Create a ***label_message*** node (nodeType sling:MessageEntry) under the newly created ***en*** node.

23. Assign the following properties to the newly created **label_message** node:

- The property that identifies the message key
 - Name = sling:key
 - Type = String
 - Value = label_message
- The property that identifies the message
 - Name = sling:message
 - Type = String
 - Value = Message

24. Copy the **en** node and paste as **es** under i18n



25. Change the value the property jcr:language under ***i18n / es*** node
 - Value = es
26. Change the value the property sling:message under ***es / label_name*** node
 - Value = Nombre
27. Change the value the property sling:message under ***es / label_city*** node
 - Value = Ciudad
28. Change the value the property sling:message under ***es / label_email*** node
 - Value = Correo Electronico
29. Change the value the property sling:message under ***es / label_message*** node
 - Value = Mensaje
30. Copy the ***en*** node and paste as ***fr*** under i18n
31. Change the value the property jcr:language under ***i18n / fr*** node
 - Value = fr
32. Change the value the property sling:message under ***fr / label_name*** node
 - Value = Nom
33. Change the value the property sling:message under ***fr / label_city*** node
 - Value = Ville
34. Change the value the property sling:message under ***fr / label_email*** node
 - Value = Courrier
35. Change the value the property sling:message under ***fr / label_message*** node
 - Value = Noun

36. Modify the contact.jsp file as follows: (Changes are in red)

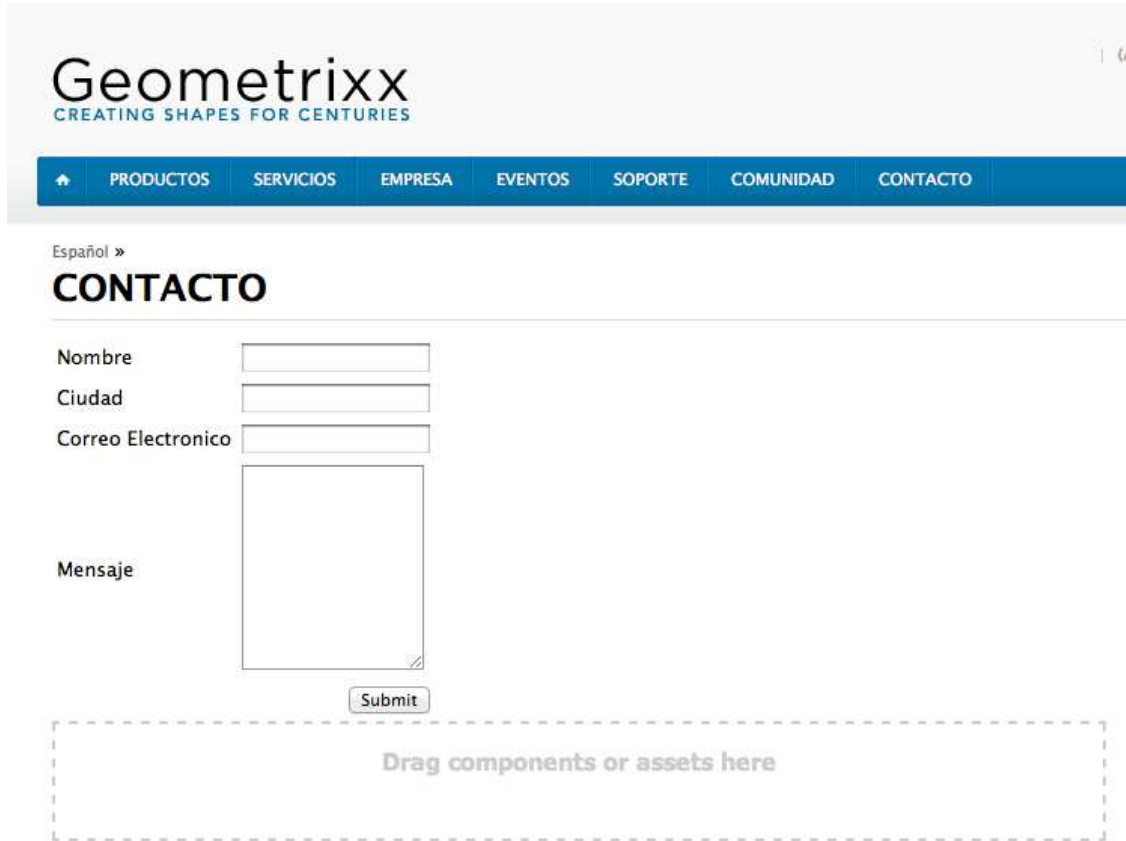
```
<%@include file="/libs/foundation/global.jsp"%>

<cq:setContentBundle/>

<table>
  <tr>
    <td>
      <label for="Name"><fmt:message key="label_name"/></label>
    </td>
    <td>
      <input type="text" name="Name" id="Name" />
    </td>
  </tr>
  <tr>
    <td>
      <label for="City"><fmt:message key="label_city"/></label>
    </td>
    <td>
      <input type="text" name="City" id="City" />
    </td>
  </tr>
  <tr>
    <td>
      <label for="Email"><fmt:message
key="label_email"/></label>
    </td>
    <td>
      <input type="text" name="Email" id="Email" />
    </td>
  </tr>
  <tr>
    <td>
      <label for="Message"><fmt:message
key="label_message"/></label>
    </td>
    <td>
      <textarea name="Message" id="Message" rows="10"
cols="15"></textarea>
    </td>
  </tr>
  <tr>
    <td colspan="2" align="right">
      <input type="submit" name="Submit" id="Submit" />
    </td>
  </tr>
</table>
```


37. Then go to CQ5 WCM and under : Websites/Geometrixx Demo Site/Español
Create a new Page “Contacto”

38. Drag and drop the Contact Component to the parsys section of the new Page, as
result you must see the following screen:



The screenshot shows the Geometrixx website's contact page in Spanish. The header features the Geometrixx logo with the tagline "CREATING SHAPES FOR CENTURIES" and a navigation menu with links: PRODUCTOS, SERVICIOS, EMPRESA, EVENTOS, SOPORTE, COMUNIDAD, and CONTACTO. Below the header, there is a language selector showing "Español »". The main heading is "CONTACTO". The form includes input fields for "Nombre", "Ciudad", and "Correo Electronico", followed by a larger text area for "Mensaje". A "Submit" button is located below the message field. At the bottom of the form, there is a dashed box containing the text "Drag components or assets here".

39. Then go to CQ5 WCM and under : Websites/Geometrixx Demo Site/Français
Create a new Page “Contactez”

40. Drag and drop the Contact Component to the parsys section of the new Page, as
result you must see the following screen:

Geometrixx

CREATING SHAPES FOR CENTURIES

🏠

PRODUITS

SERVICES

SOCIÉTÉ

ÉVÉNEMENTS

SUPPORT

COMMUNAUTÉ

CONTACTEZ

Français »

CONTACTEZ

Nom

Ville

Courrier

Noun

Submit

Drag components or assets here

As you can see the contact form component was dynamically translate to the correct language depending of the settings of the page.