

References validation plug-in for Domino Designer

Main Details

Summary	Assist an Xpage developer to identify broken data bindings and invalid references.
Technology	Eclipse
Version	1.0.0
Domino Designer Version	8.5.1

Author

Wang Xin Rang , Guo Yi
IBM employee, Regular
IBM China Software Development LAB
IBM Software Group, WPLC
China

Wang Wen Jun
IBM employee, Intern
IBM China Software Development LAB
Blue Path Way, 2009
China

Deployment

Update site	com.ibm.designer.extensibility.referencevalidation
Feature Name	References Validation Feature
Feature ID	com.ibm.designer.extensibility.referencevalidation.feature

Usage

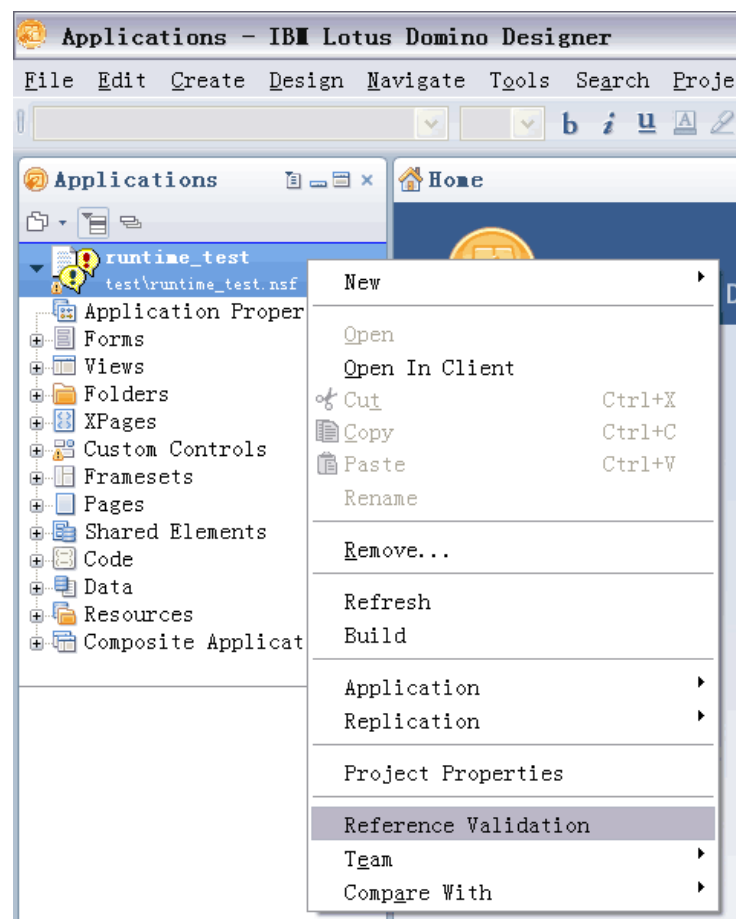
The references validation feature is to assist XPage development. It scans all Xpages and Custom Controls to find broken data bindings and invalid references, and writes warning to the Eclipse problems view. When the user clicks on the warning in the problems view, the corresponding Xpage or Custom Control resource will be opened and the line will be highlighted.

This feature can scan and validate the following 11 types of references:

- Forms(also SubForms)
- Fields of Form
- Views
- Columns of View
- XPages
- Files
- Themes
- StyleSheets
- Images
- Custom Controls
- ScriptLibraries.

Sample Usage

Right click on the Domino Application and select “Reference Validation” in the popup menu.



Warnings of broken data bindings and invalid references will be written to the Eclipse problem view.

The screenshot shows the IBM Lotus Domino Designer interface. The main editor displays XSP code for a custom control. The code includes XML tags for labels, text, and input fields, along with a JavaScript function to process tags.

```

</xp:label>
</xp:td>
<xp:td id="td8" themeId="HtmlTd.form.body">
  <xp:inputText id="tagField" value="#{dominoDoc.WebCategories}"
    defaultValue="#{javascript:viewScope.parentTags}" style="display: inline-block; vertical-align: top; margin-right: 10px; width: 100%; height: 100%; border: 1px solid #ccc; border-radius: 4px; padding: 5px; font-family: sans-serif; font-size: 12px; color: #333; background-color: #fff; box-shadow: 0 1px 2px #ccc; transition: border-color 0.2s ease-in-out;"/>  

  <xp:typeAhead mode="partial" ignoreCase="true" minChars="1" id="typeAhead1" tokens=",">
    <xp:this.valueList><![CDATA[#{javascript:@DbColumn(@DbName
  </xp:typeAhead>
</xp:inputText>
<xp:text escape="true" id="cfParentTags">
  <xp:this.value><![CDATA[#{javascript:var tags = viewScope.pare
if(null != tags){
  if(typeof(tags) === 'string'){
    return tags;
  }else{
    // convert vector into a comma-separated string for UI display
    return tags.join(", ");
  }
}

```

Below the code editor, the 'Problems' view shows 13 warnings:

Description	Resource	Path	Loca...	Type
No Field: null.searchValue	titleBar.xsp	runtime_test.nsf/C...	line 19	Problem
No Field: PersonalProfile.Email	authorProfileForm.xsp	runtime_test.nsf/C...	line 83	Problem
No Field: PersonalProfile.Goal	authorProfileForm.xsp	runtime_test.nsf/C...	line 111	Problem
No Field: PersonalProfile.Phone	authorProfileForm.xsp	runtime_test.nsf/C...	line 102	Problem
No Field: PersonalProfile.Role	authorProfileForm.xsp	runtime_test.nsf/C...	line 92	Problem
No Field: Response.WebCategories	response.xsp	runtime_test.nsf/C...	line 86	Problem
No Form: PersonalProfile	authorProfileForm.xsp	runtime_test.nsf/C...	line 6	Problem
No Theme: HtmlTd.form.body.label	mainTopic.xsp	runtime_test.nsf/C...	line 24	Problem
No Theme: HtmlTd.form.body.label	mainTopic.xsp	runtime_test.nsf/C...	line 43	Problem
No Theme: HtmlTd.form.body.label	response.xsp	runtime_test.nsf/C...	line 60	Problem
No Theme: HtmlTd.form.body.label	response.xsp	runtime_test.nsf/C...	line 79	Problem
No Theme: HtmlTr.form.footer	viewTopic.xsp	runtime_test.nsf/C...	line 289	Problem
No Theme: Text.commaSeparator	allDocumentsView.xsp	runtime_test.nsf/C...	line 227	Problem