

Help

(This relates to the Help Requirements.)

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Existing KNS Help Framework

Help Types

The KualihelpAction.java class gives us hints of the following help types. In all of these cases the full help link will be created by KualihelpAction once the user clicks the help icon. Before that there is no check if the icon has a help associated with it, so the icon will always be displayed, which is undesired.

- attributeHelpText**

Does not use help URL and the krccr_parm_t table, instead uses data dictionary information (help summary and descriptions are in data dictionary as well)

System parameter ENABLE_FIELD_LEVEL_HELP_IND enables help on all fields.

In theory this parameter can be overridden with the following properties. These properties are part of the form and are currently hardcoded to be always false.

fieldLevelHelpEnabled - displays help for the field even when system parameter is disabled. (Takes precedence over fieldLevelHelpDisabled.)

fieldLevelHelpDisabled - does not display help for the field even when system parameter is enabled.

The screenshot shows the Kualihelp application interface. At the top left is the Kualihelp logo with the text 'Kualihelp rice'. To the right is a 'Provide Feedback' link. Below the logo are navigation tabs for 'Main Menu', 'Administration', and 'KRAD'. The current user is logged in as 'admin'. The main content area is titled 'Document Type Lookup' and includes a 'create new' button and a note '* required field'. The form contains the following fields:

Parent Name:	<input type="text"/>	<input type="checkbox"/>
Name:	<input type="text"/>	<input type="checkbox"/>
Label:	<input type="text"/>	<input type="checkbox"/>
Id:	<input type="text"/>	<input type="checkbox"/>
Active Indicator:	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Both	<input type="checkbox"/>

At the bottom of the form are 'search', 'clear', and 'cancel' buttons. The footer contains copyright information: 'Copyright 2005-2012 The Kualihelp Foundation. All rights reserved. Portions of Kualihelp are copyrighted by other parties as described in the Acknowledgments screen.'

Name

Description for the field

Summary for the field

Required?	Yes
Data Type:	AnyCharacter
Maximum Length:	64

[close](#)

```
<bean id="DocumentType-name" parent="DocumentType-name-parentBean" />
<bean id="DocumentType-name-parentBean" abstract="true"
parent="AttributeDefinition">
  <property name="shortLabel" value="Name" />
  <property name="maxLength" value="64" />
  <property name="validationPattern">
    <bean parent="AnyCharacterValidationPattern" p:allowWhitespace="false" />
  </property>
  <property name="control">
    <bean parent="TextControlDefinition" p:size="50" />
  </property>
  <property name="name" value="name" />
  <property name="label" value="Name" />
  <property name="description" value="Description for the field" />
  <property name="summary" value="Summary for the field" />
</bean>
```

- **businessObjectHelpText**

kuali Provide Feedback
 COEUS® Researcher Unit Central Admin Maintenance System Admin build-16934 (Oracle9i)

action list doc search Logged in User: quickstart Login Logout

Committee Document ?	Document Id:	10221	Status:	INITIATED
	Initiator:	quickstart	Last Updated:	
	* Committee ID:		* Committee Name:	

Committee Members Schedule

expand all collapse all
* required field ?

Document Overview hide

Document Overview * Description: <input type="text"/> Organization Document Number: <input type="text"/>	Explanation: <input type="text"/>
---	---------------------------------------

Committee hide

Committee ?	
* Committee ID: <input type="text"/> * Home Unit: <input type="text"/> (select)	* Committee Name: <input type="text"/> * Type: select
Committee Description: <input type="text"/> 	Schedule Description: <input type="text"/>
* Min Members for Quorum: <input type="text"/> * Maximum Protocols: <input type="text"/> * Adv Submission Days: <input type="text"/>	* Review Type: select Last Updated: Updated User:

```

<bean id="Committee" parent="Committee-parentBean" />
  <bean id="Committee-parentBean" abstract="true" parent="BusinessObjectEntry">
    <property name="businessObjectClass"
value="org.kuali.kra.committee.bo.Committee" />
    <property name="objectLabel" value="Committee" />
    <property name="helpDefinition" >
      <bean parent="HelpDefinition" p:parameterNamespace="KC-COMMITTEE"
        p:parameterName="committeeCommitteeHelpUrl"
        p:parameterDetailType="Document" />
    </property>
  </bean>

```

- **documentHelpText**

The help text URL is stored in KEW's Document Type definition of the document (KREW_DOC_TYP_T.HELP_DEF_URL). Pro: This gives a nice user interface. Con: Help isn't really part of KEW and it's hard to change multiple help links (i.e. when the base url changes) as the xml needs to be ingested.

Process: The data dictionary gets queried with the document name from the form. Then KEW is queried for the document type definition with the document name from the data dictionary. The type definition contains the help URL. There is no real reason why the data dictionary is being used as an intermediary.

- **lookupHelpText**

The help text is obtained from these locations:

1. KEW Document Type definition (KREW_DOC_TYP_T.DOC_SEARCH_HELP_URL)
2. Parameter table (krcr_parm_t) with table keys from data dictionary
3. Data dictionary help URL
4. Generic default lookup help

This help type is used in KualiLookup.jsp and KualiMultipleValueLookup.jsp.

Process: The KEW document Type definition is queried with the document name from the form then it uses the document type help link from there. If it was unable to find the help link it queries the data dictionary by the lookup BO class name of the form. If a help definition (with namespace, detail type and name values of the parameter database table) it gets the help URL from the database. Otherwise if a help URL is specified in the data dictionary it uses this. If all else fails then a generic lookup help is being displayed.

- **pageHelpText**

This help type is used in auditMode.tag.

Process: the data dictionary gets queried with the document name from the form. Then the data dictionary is scanned for the

headerTabDisplayName that equals to the specified page name of the form. The data dictionary help definition from that page is used. (If multiple pages have the same name then the last one wins.)

The screenshot shows the Kuali COEUS system interface. At the top, there is a header with the Kuali logo and the text "COEUS". Below the logo are navigation tabs: "Researcher", "Unit", "Central Admin", "Maintenance", and "System Admin". To the right of the tabs is the text "build-16934 (Oracle9i)" and a "Provide Feedback" link. Below the navigation tabs is a yellow bar with "action list" and "doc search" buttons, and a "Logged in User: quickstart" indicator. To the right of the user indicator are "Login" and "Logout" buttons. The main content area is titled "Committee Document" and contains a form with the following fields:

Document ID:	10221	Status:	INITIATED
Initiator:	quickstart	Last Updated:	
* Committee ID:		* Committee Name:	

Below the form are tabs for "Committee", "Members", and "Schedule". There are also "expand all" and "collapse all" buttons, and a "* required field" label with a help icon (a question mark in a square) circled in green.

```

<property name="headerNavigationList">
  <list>
    <bean parent="HeaderNavigation">
      <property name="helpDefinition">
        <bean parent="HelpDefinition" p:parameterNamespace="KC-COMMITTEE"
          p:parameterName="committeeCommitteeHelp"
          p:parameterDetailType="Document" />
      </property>
    </bean>
  </list>
</property>

```

- resourceHelpText

System Parameter Table

Table Layout:

```
CREATE TABLE `krcr_parm_t` (  
  `NMSPC_CD` varchar(20) COLLATE utf8_bin NOT NULL DEFAULT '',  
  `CMPNT_CD` varchar(100) COLLATE utf8_bin NOT NULL DEFAULT '',  
  `PARM_NM` varchar(255) COLLATE utf8_bin NOT NULL DEFAULT '',  
  `OBJ_ID` varchar(36) COLLATE utf8_bin NOT NULL,  
  `VER_NBR` decimal(8,0) NOT NULL DEFAULT '1',  
  `PARM_TYP_CD` varchar(5) COLLATE utf8_bin NOT NULL,  
  `VAL` varchar(4000) COLLATE utf8_bin DEFAULT NULL,  
  `PARM_DESC_TXT` varchar(4000) COLLATE utf8_bin DEFAULT NULL,  
  `EVAL_OPRTR_CD` varchar(1) COLLATE utf8_bin DEFAULT NULL,  
  `APPL_ID` varchar(20) COLLATE utf8_bin NOT NULL DEFAULT 'KUALI',  
  PRIMARY KEY (`NMSPC_CD`, `CMPNT_CD`, `PARM_NM`, `APPL_ID`),  
  UNIQUE KEY `KRNS_PARM_TC0` (`OBJ_ID`),  
  KEY `KRNS_PARM_TR2` (`PARM_TYP_CD`),  
  CONSTRAINT `KRNS_PARM_TR1` FOREIGN KEY (`NMSPC_CD`) REFERENCES `krcr_nmssp_t`  
  (`NMSPC_CD`),  
  CONSTRAINT `KRNS_PARM_TR2` FOREIGN KEY (`PARM_TYP_CD`) REFERENCES `krcr_parm_typ_t`  
  (`PARM_TYP_CD`)  
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COLLATE=utf8_bin
```

Help Lookup Keys:

- PARM_NM (HelpDefinition.parameterNamespace)
- CMPNT_CD (HelpDefinition.parameterDetailType)
- PARM_NM (HelpDefinition.parameterName)
- APPL_ID (provided by ParameterServiceImpl)

Help Values Used:

- VAL = help url

Unused Values:

- PARM_TYPE_CD = "HELP"
- EVAL_OPRTR_CD = "A" (for active?)

KRAD Implementation Questions & Answers

1. Question: Do we support internal help (from data dictionary) in addition to URL help?
Answer:
 - a. Question: If yes, do we display help URLs when specified as links in the tool-tip along with the data dictionary information or do we display the external help directly in the tool tip (if it is technically possible)?
Answer:
2. Question: Are field level help being rendered when the field is read only?
Answer:

My interpretation of the Requirements

View and Page Help

- display help icon after heading (to the right of the heading)
- display help in separate browser window when help icon is clicked; reuse previous help browser window
- help icon is only displayed if a help URL exists
- tool tip with help description when cursor positioned over help icon ("Display help for <document/page name>")

Section (and Group) Help

- application parm determines if Section help is displayed as a help-icon or tool-tip
 - help icon:
 - display help icon after heading (to the right of the heading)
 - display help in separate browser window when help icon is clicked; reuse previous help browser window
 - tool tip with help description when cursor positioned over help icon ("Display help for <section name>")
 - tool tip:
 - display help in tool tip, activated when cursor positioned over section heading
- help icon/tool tip is only displayed if a help URL exists

Field Help

- display help in tool tip, activated when cursor positioned over field label
- tool tip is only displayed if a help URL exists

Estimates

- Uif
 - Add help.jsp
Much like disclosure.jsp, it will take the widget (Help object) and the parent (Component object) and use a new createHelp function in krad.widget.js. This new function will add the help to the component. It would be nice if this function could handle both, the tooltip and the help icon cases.
Estimated: 30h
 - Add Uif-Help (much like Uif-Disclosure) to UifWidgetDefinitions.xml and assign it to the appropriate Uif definitions.
Estimated: 6h
- Life cycle management (better name?)
Looks up help URL and determines if help should be rendered.
Estimated: 40h
- "Internal Help" (specified in data dictionary)
Estimated: 30h