

Oracle® Enterprise Data Quality

Case Management Extended Attribute Configuration

Release 11g R1 (11.1.1.7)

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Case Management supports the manual investigation of results from data quality processes. Using Case Management, privileged users can manage and review matching results using highly configurable workflows. The complete set of Case Management extended attributes that are used on an Oracle Enterprise Data Quality (EDQ) server are configured in a file named `flags.xml` in the `oedq_localhome/casemanagement` directory. This file must be modified to add new extended attributes, and to define rules for how these attributes are populated.

An additional property file named `flags.properties` accompanies the base XML file and specifies the labels for the extended attributes as they will appear in the graphical user interface (GUI). The settings in this file may be overridden for a specific client language by the creation of additional property files with an ISO 639-1 language code, such as `flags_en.properties` (for English) or `flags_de.properties` (for German), as described at http://www.iso.org/iso/home/standards/language_codes.htm. If Oracle Watchlist Screening is installed, these files may already exist.

Note: In order to ensure that Case Management publication works correctly, the `flags.xml` file is overwritten whenever a Case Source is imported using the Case Management Administration application. This is because Case Sources have a dependency on the format of the `flags.xml` file and require the flags to be indexed and specified in the same way as on the server where the Case Source was defined. It is therefore recommended to back up the file before importing a Case Source, in case there are any existing extended attributes in the `flags.xml` file on the server that need to be re-added once the import is complete.

This document is intended for advanced users who want to customize Case Management by adding or editing extended attributes.

1 Extended Attributes

This section describes the different types of extended attributes.

1.1 Default Extended Attributes

In an initial EDQ installation, the file contains the following two extended attribute (`flag`) example definitions:

```
<f:flag index="1" label="%escalation" type="boolean" default="false"
notnull="true"/>
```

```
<f:flag index="2" label="%priority.score" type="number" readonly="true"/>
```

Note: The order in which these properties appear in each line may not match this example. The order of properties is immaterial. Also, if Oracle Watchlist Screening is installed, the contents of the `flags.xml` file is different.

1.2 Adding New Extended Attributes

To add a new extended attribute, add a line immediately after the existing attribute definitions in the file, following the same syntax as the existing lines and using the following notes for each property:

Property	Allowed Values	Notes
index	Integer	Must be unique for each entry in the file
label	Any	The % character is used to indicate that the label for the UI should be retrieved from the <code>flags.properties</code> file for the client locale. If the % character is not used, the label will always be exactly as stated (in all languages).
type	number, boolean, or string	Controls the data type of the column.
readonly	true or false	Controls whether or not privileged users can edit the value of the extended attribute when editing a Case or Alert
notnull	true or false	Controls whether or not Null values are allowed in the extended attribute. If this is undefined, Null values are allowed (the same as the 'false' setting).
default	Any permissible value	Sets the default value of the extended attribute if not set to a specific value.

Note: There is a character limit of 80 characters for extended attributes with a type of 'string'. Values longer than this cannot be inserted as values.

2 Configuring Data Entry Validation

It is possible to restrict the format of user-specified data for an extended attribute. The restriction is checked when users edit extended attributes in the Case Management GUI, and when defining possible values to set for an extended attribute in the Workflow editor in Case Management Administration.

Note: The restriction is not checked when cases and alerts are written to Case Management from a process, so it is possible to write invalid values into an extended attribute. The invalid values will appear in error, with an appropriate error message. This designed behavior protects the system against unnecessary job failure.

Restrictions are defined as part of the `flags.xml` file. There are two types of possible restrictions:

- **Predefined list** means that the data to be written is checked against a predefined list of allowed values.
- **Regular expression** means that the data to be written is checked against a regular expression.

2.1 Predefined List Restriction

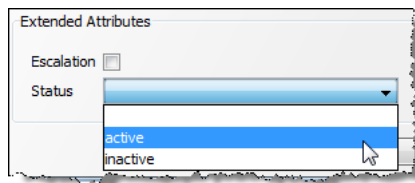
To check that data being entered into the extended attribute matches a predefined list of possible values, add XML elements in the following format after the definition of the extended attribute (flag):

```
<f:restrictions>
<f:predefined>
<f:value>first value</f:value>
<f:value>second value</f:value>
<f:value>third value</f:value>
</f:predefined>
</f:restrictions>
</f:flag>
```

For example, the following XML fragment defines a custom 'Status' extended attribute that allows only the values 'active' and 'inactive':

```
<f:flag index="6" label="Status" type="string" readonly="false">
<f:restrictions>
<f:predefined>
<f:value>active</f:value>
<f:value>inactive</f:value>
</f:predefined>
</f:restrictions>
</f:flag>
```

The extended attribute appears with a list of the valid values in the Case Management Edit Case (or Edit Alert) dialog:



Tip: In this case, the user can specify a Null value for the Status field (as a 'notnull' condition was not set).

2.2 Regular Expression Restriction

To check that data being entered into the extended attribute matches a regular expression, add XML elements in the following format after the definition of the extended attribute (flag):

```
<f:restrictions>
<f:regex ignorecase="false" matchby="w">
<f:value></f:value>
</f:regex>
</f:restrictions>
```

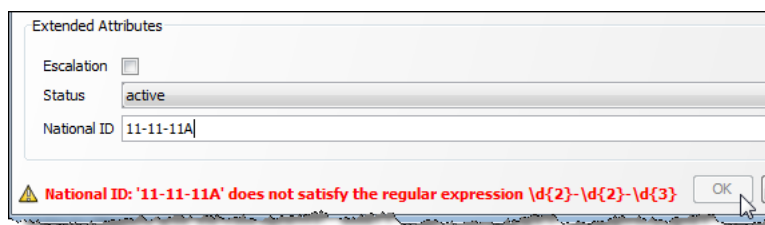
Where the *value* property defines the regular expression, and the *ignorecase* and *matchby* properties defines how it is matched. The possible values for the *matchby* condition are as follows:

Value	Description
w	WHOLE - The whole value must match the Regular Expression.
s	STARTS - The beginning of the value must match the Regular Expression.
e	ENDS - The end of the value must match the Regular Expression.
c	CONTAINS - The value must contain a string that matches the Regular Expression.

For example, the following XML fragment defines a custom 'National ID' extended attribute that allows only values in the format NN-NN-NNN (2 digits, hyphen, 2 digits, hyphen, 3 digits):

```
<f:flag index="7" label="National ID" type="string" readonly="false"
notnull="true">
<f:restrictions>
<f:regex ignorecase="false" matchby="w">
<f:value>\d{2}-\d{2}-\d{3}</f:value>
</f:regex>
</f:restrictions>
</f:flag>
```

The following shows the error message displayed when a user attempts to add a value that does not match the regular expression:



It is also possible to customize this error message with the *errormessage* attribute. Either enter a simple text string to be displayed as the error message, or begin the string with a % symbol to direct the application to look in the *flags.properties* file for a localized value.

For example, the following XML fragment causes the *e1.message* error message to be retrieved from the *flags.properties* file when an error occurs:

```
<f:restrictions>
<f:regex ignorecase="false" matchby="w" errormessage="%e1.message">
<f:value>\d{3}-\d{2}-\d{4}</f:value>
</f:regex>
</f:restrictions>
```

3 Related Documents

For more information, see the following documents in the Oracle Enterprise Data Quality documentation set:

- *Oracle Enterprise Data Quality Release Notes*

See the latest version of this and all documents in the Oracle Enterprise Data Quality Documentation website at

http://download.oracle.com/docs/cd/E48549_01/index.htm

Also, see the latest version of the *EDQ Online Help*, bundled with EDQ.

4 Documentation Accessibility

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