**DataSource:**

Description: Read data outside from XmlFile, FlatFile, RawData or Dictionary.

Syntax:

<!-- Element XXX: -->

<!-- **attribute source**: { XmlFile, FlatFile, RawData, Dictionary }, default is RawData

“source”: to get data in different ways.

“**XmlFile**”: to get data from XML files.

XPath (navigate through elements and attributes in an XML document) needs to be set in

inner text of tag.

“**FlatFile**”: to get data from flat files like “.txt” files.

File’s full path name needs to be set in inner text of tag.

“**RawData**”: directly get data from inner text of tag.

“**Dictionary**” : get data from dictionary.

Search index needs to be set in inner text of tag.

**Example:**

<XXX source="FlatFile">UTRepository.txt</XXX>

<XXX source="XmlFile">UTRepository.xml|/Repository/Notepad/ProcessId</XXX>

<XXX source="RawData" compareOption="String">Wistron</XXX>

<XXX source="Dictionary">12345</XXX>

<XXX source="RawData" compareOption=”RegularExpression” passCriteria=”Loose”>111</XXX>

<!-- attribute **compareOption**: { String, NotString, RegularExpression, NotRegularExpression, NumLT, NumLE, NumGT, NumGE, NumEQ } default is String.

**“compareOption”**: used to compare data and set the option of comparison, like using the value

“**NumLT(<)**” to compare different numbers.

Enum values :

“**String**” : to compare by string.

Ex: “A” compared to “A” is the same.

“**NotString**”: not compare by string.

Ex:”B” compared to “B” will fail when compareOption=”NotString”.

“**RegularExpression**” : to compare by regular expression.

Ex:”AB” compare to “ABC” is the same when compareOption=”RegularExpression.

“**NotRegularExpression**” : not to compare by regular expression.

Ex:”AB” compare to “ABC” is not passed when compareOption=

”NotRegularExpression”.

“**NumLT**” : means “less than”, used to compare numbers.

Ex : “1” compare to “2” is passed when compareOption=”NumLT”.

“**NumLE**” : means “less than or equal to” , used to compare numbers.

Ex : “1” compare to “3” or ”1” is passed when compareOption=”NumLE”.

“**NumGT**” : means “greater than” , used to compare numbers.

Ex : “3” compare to “2” is passed when compareOption=”NumGT”.

“**NumGE**”: means “greater and equal to”, used to compare numbers.

Ex : “3” compare to “2” or “3” is passed when compareOption=”NumGE”.

“**NumEQ**”: means “equal to”, used to compare numbers.

Ex : “2” compare to “2” is passed when compareOption=”NumEQ”.

<!-- **attribute passCriteria**: { Strick, Loose } default is Strick.

passCriteria is used on comparison. User can set a criteria to decide if the comparison pass or fail.

**Strick** : means all data in data source must compliant to a criteria to pass that criteria

**Loose** : means if a pair of comparison matches, it will pass.

**Example:**

CriteriaList : Office2010, IE9, WORD2010.

CheckDataList: Office2010, IE9, WORD2010, EXCEL2010, PowerPoint2010

Comparsion is fail when passCriteria=”Strick”, but pass when passCriteria=“Loose”.

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<!-- there might be more than one data in the data source -->