

Apparo Fast Edit

Version 3

Data Management in a BI Environment

Securing Data Quality

a) neutral:

the sum of all the properties of an object, system or process


a) assessed:

the level of functionality of all the properties of an object, system or process

Business departments must be sure that they can enter **valid data only (manually or using Excel):**

- Every value must be **provable**
- In error case there must be an easy to understand error message

Defining the desired data type



Apparo Fast Edit Business Case Designer - SAMPLES Input of the measures in the sales office en TESTING Cognite Connection

Widget settings of database column OFFICE_ID

Widget type Mapping & Other Flags Visual Visual help texts Data output format

Output type

- Number
- Currency
- Percentage
- Date / Time**
- Text
- Use base of output column

Show date part

Date and time part

- Date**
- Time
- Date with time

Format

- Short
- Medium**
- Long
- Full
- Custom

Data quality check

Custom validator Java 6 class

Interval

Minimum allowed:

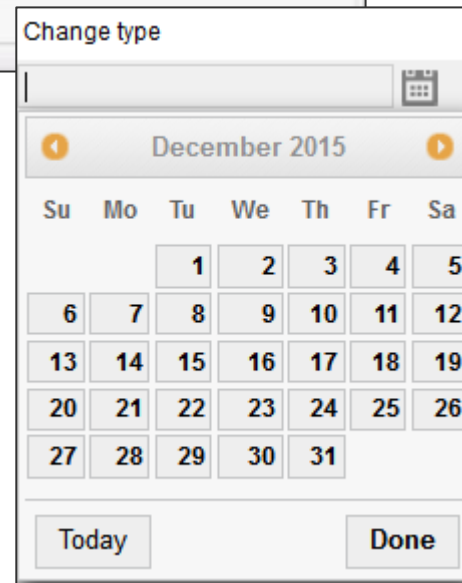
Maximum allowed:

Date and time formatting examples:

	SHORT	MEDIUM	LONG	FULL
German Date	17.12.14	17.12.2014	17. Dezember 2014	Mittwoch, 17. Dezember 2014
EN Date	11/12/14	11/12/14	11 Dec 2014	Wednesday, 17 December 2014
English Date	12/17/14	Dec 17, 2014	December 17, 2014	Wednesday, December 17, 2014
EN Date	11:52 AM	11:52:48 AM	11:52:48 AM CET	11:52:48 AM CET

OK CANCEL

Datepickers are preventing wrong dates



Change type

December 2015

Su	Mo	Tu	We	Th	Fr	Sa
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Today Done

Limiting the accepted values:

Minimum & Maximum value

Interval	Minimum allowed:	<input type="text" value="1000"/>
	Maximum allowed:	<input type="text" value="2000"/>

Accepted changes in % comparing with old value

Interval of old value (%)	Minimum allowed:	<input type="text" value="50"/>
	Maximum allowed:	<input type="text" value="100"/>

You can also use variables to define the limits.

Custom Validator Java 6 Class

A screenshot of a UI configuration field. The field is a light gray box with a thin border. Inside, the text "Custom validator Java 6 class" is displayed. To the right of the text is a small dropdown arrow icon.

Fast Edit can call automatically custom java classes for testing the values of the current rows.

This java class is helpful if the tests are very complex, using different systems etc.

Regular Expression

A screenshot of a UI configuration field. The field is a light gray box with a thin border. Inside, the text "Regular expression for data quality" is displayed. To the right of the text is a text input field containing the character "." followed by an asterisk "*". To the right of the input field is a small circular help icon containing a question mark.

Regular expression are helpful to define more complex input rules.

For example: You can define that the first character must be an 'A' and then just numbers are allowed

Data row validation

Data row validator

```
var a = <%WIDGETVALUE1%>;
var b = <%WIDGETVALUE2%>;
var c = '<%WIDGETVALUE3%>';
var d = <%SQL_VARIABLE1%>;

// prepare empty result, what means that row data is valid
var result = "";

if (c != 'A' && a > b) {
  if ('<%LANGUAGE%>' == 'en') {
    result = 'Product data is invalid';
  } else {
    result = 'Produktdaten sind falsch';
  }
}
if (d == 1234) {
  if ('<%LANGUAGE%>' == 'en') {
    result = 'Calculation is wrong';
  } else {
    result = 'Berechnung ist falsch';
  }
}
}
// return the result
result;
```

Data row validation

You can test the current data row with this feature using a simple JavaScript routine, e.g. the date of column C must be between the dates of A and B

Powerful custom JavaScript classes, e.g. to call SQL directly





Live Demo

IBM Cognos:

<http://cognos.apparo.info>

User login: en (no password)

SAP BO: <http://bo.apparo.info>

User login: en (no password)