



## **2. SPECIAL CLASS ATTRIBUTE & ATTRIBUTE**

# ATTRREP

# Basics: AttrRep



- ▶ The class attribute „AttrRep“ controls the **availability and structure of the ADOxx-Notebook**. If it has no value then the class will have no Notebook.
- ▶ The following elements are available to define the Notebook:
  - **Chapter:** Each Notebook must have at least one chapter to show some attributes. Chapters of a Notebook are shown as tabs on the right side.
  - **Attributes:** Attributes are embedded in a chapter where they should be shown. The distribution and sequence of the attributes is also defined in the AttrRep.
  - **Groups:** Attributes can be combined to groups inside of a chapter.



# The AttrRep-Commands

## NOTEBOOK

The Notebook-Definition must start with this command to be valid. It has no parameters.

## CHAPTER „*chapterName*“

Chapters can be started with this command. The chapter will have the name <chapterName> (Hint: A command ENDCHAPTER is not necessary)

## ATTRIBUTE „*AttrName*“

The attribute with the name <AttrName> will be shown in the notebook on this position. Some attribute types also allow different parameters to adapt the actual display.

## GROUP „*groupName*“ / ENDGROUP

The attributes listed between GROUP and ENDGROUP will be enclosed by a group-box with the name <groupName>

## SET\_ACCESS **usergroup:** *userGroupSpec*

Attributes following this command will only be shown to the user group <userGroupSpec>. This restriction can be revoked using „**SET\_ACCESS usergroup: all**“

# ATTRREP



- ▶ Classattribute "AttrRep" is of type long string, hence the text entered as value is interpreted as configuration script of the so-called **NOTEBOOK**.
- ▶ Each **NOTEBOOK** has **CHAPTERS**, which contains a list of attributes that may be grouped.
- ▶ Relations that are allowed for this class can be automatically created as an own chapter.
- ▶ Appearance of attributes is defined by **lines**, **dialog**, control types (**ctrltype**), **width** or **format**.
- ▶ Access rights per attribute can be defined.

# AttrRep Syntax Reference



<i>Notebook</i> :	<b>NOTEBOOK</b> [ <b>with-relations</b>   <b>move-relations</b> : <i>intValue</i> ] { <i>NBElement</i>   <i>SetAccess</i>   <i>Language</i> } .
<i>NBElement</i> :	<i>Chapter</i>   <i>Group</i>   <i>Attribute</i>   <i>Set</i>   <i>Aval</i> .
<i>Chapter</i> :	<b>CHAPTER</b> <i>chapterName</i> [ <b>color</b> : <i>ColorSpec</i> ] .
<i>Group</i> :	<b>GROUP</b> <i>groupName</i> [ <b>color</b> : <i>ColorSpec</i> ] { <i>Attribute</i> } <b>ENDGROUP</b> .
<i>Attribute</i> :	<b>ATTR</b> <i>attrName</i> [ <b>write-protected</b> ] [ <b>format</b> : <i>strValue</i> ] [ <b>dialog</b> : <i>Dialog</i> ] [ <b>lines</b> : <i>intValue</i> ] [ <b>font-family</b> : <i>FontFamily</i> ] [ <b>color</b> : <i>ColorSpec</i> ] [ <b>ctrltype</b> : <i>ControlType</i> ] [ <b>unchecked-value</b> : <i>strValue</i> ] [ <b>checked-value</b> : <i>strValue</i> ] [ <b>no-auto</b> ] [ <b>no-param</b> ] [ <b>push-button</b> ] [ <b>formula-visible</b> ] [ <b>align</b> : <i>Alignment</i> ] [ <b>enabled</b> : <i>boolExpr</i> ] [ <b>mandatory</b> : <i>boolValue</i> ] [ <b>notitle</b> ] [ <b>width</b> : <i>realValue</i> ] [ <b>h</b> : <i>measureValue</i> ] .
<i>FontFamily</i> :	<b>decorative</b>   <b>modern</b>   <b>roman</b>   <b>script</b>   <b>swiss</b>   <b>system</b> .
<i>Dialog</i> :	<b>time</b>   <b>date</b>   <b>datetime</b>   <b>distribution</b>   <b>actor</b>   <b>subprocess</b>   <b>person-calendar</b>   <b>processstart-calendar</b>   <b>resource</b>   <b>color</b>   <b>transcond</b>   <b>acfilter</b>   <b>wizard</b> .
<i>ControlType</i> :	<b>radio</b>   <b>dropdown</b>   <b>check</b>   <b>graphrep</b> .
<i>Set</i> :	<b>SET</b> <i>var</i> : <i>expression</i>
<i>Aval</i> :	<b>AVAL</b> { <i>AvalAssignment</i> } .
<i>AvalAssignment</i> :	[ <b>set-format</b> : <i>strValue</i> ] [ <b>set-sep</b> : <i>strValue</i> ] [ <b>as-original-type</b> ] [ <b>set-count-rows</b> ] <i>var</i> : <i>attrName</i> .
<i>SetAccess</i> :	<b>SET_ACCESS</b> <b>usergroup</b> : <i>UserGroupSpec</i> <b>mode</b> : <i>AccessMode</i> .
<i>UserGroupSpec</i> :	<i>userGroupName</i>   <b>all</b> .
<i>AccessMode</i> :	<b>blocked</b>   <b>protected</b>   <b>full</b> .
<i>Alignment</i> :	<b>l</b>   <b>c</b>   <b>r</b> .
<i>Language</i> :	<b>LANG</b> <i>LangSpec</i> .
<i>LangSpec</i> :	<i>langName</i>   <b>all</b> .

## Example for a AttrRep Definition in ALL



```
CLASSATTRIBUTE <AttrRep>
TYPE STRING
VALUE „
    NOTEBOOK with-relations
    CHAPTER \"Description\"
    ATTR \"Name\"
    ATTR \"Presentation\"
    ATTR \"Description\" lines:5
    ATTR \"Comment\" lines:5
    ATTR \"Color\" dialog:color
    „
    FACET <MultiLineString>
    VALUE 0

    FACET <AttributeHelpText>
    VALUE " „

    FACET <AttributeRegularExpression>
    VALUE " "
```

Keyword

Attributename:

“AttrRep“ is a special attribute which defines what other attributes are processed by the ADOxx documentation function

Type definition

Value:

The string of the “AttrRep” attributes is defined as a “Notebook”. Therefore a specific syntax is used.

A help text can be provided for the attribute.