



**Diese Seite wurde noch nicht vollständig übersetzt. Bitte helfen Sie bei der Übersetzung.**

*(diesen Absatz entfernen, wenn die Übersetzung abgeschlossen wurde)*

# docuteam packer starten und konfigurieren

docuteam packer is delivered in specific packages for the various operating systems, but can also be launched using the command line:

```
cd docuteam packer.app\Contents\docuteam packer; java -jar DocuteamPacker.jar
```

Following optional parameters are supported:

- configDir <arg> (optional): Verzeichnis mit den Konfigurationsdateien (default: ./config)
- help (optional): Anzeige der Hilfe
- open <arg> (optional): Das angegebene SIP wird direkt nach dem Start geöffnet

## configuration files

docuteam packer can also be configured manually using the following configuration files:

- config/docuteamPacker.properties
- config/levels.xml
- config/fileNameNormalizer.properties
- config/charConversionMap.properties

In the following examples,

the file [docuteamPacker.properties](#) shows the configuration of the functionality, standard folders and the visual appearance of packer.

the file [levels.xml](#) shows the configuration of the units of description, their hierarchical logic as well as their icons and metadata.

the file [fileNameNormalizer.properties](#) shows the standardization process for file names.

the file [charConversionMap.properties](#) shows a conversion table containing special characters, which are used for the automated standardization of file names.

## config/docuteamPacker.properties

### Example

```
#####  
# docuteam packer properties #  
#####
```

```
# Display language (if undefined or empty, use the OS language):
docuteamPacker.displayLanguage = de

# The default data directory, used for "Insert" and "New" (if undefined or
empty, use user home):
# NOTE: Environment variables can be referenced by embedding them between
"${" and "}", e.g. "${HOMEPATH}/Desktop"
docuteamPacker.dataDir.Win = C:/docuteam/Beispieldaten
# docuteamPacker.dataDir.OSX =
# docuteamPacker.dataDir.Linux =

# The default SIP directory, used for "Save as", "Open", and "New" (if
undefined or empty, use user home):
# NOTE: Environment variables can be referenced by embedding them between
"${" and "}", e.g. "${HOMEPATH}/Desktop"
docuteamPacker.SIPDir.Win = C:/docuteam/workbench_de/0_preparation
# docuteamPacker.SIPDir.OSX =
# docuteamPacker.SIPDir.Linux =

# The backup directory, used when saving SIPs (if undefined or empty, use
SIPDir):
# NOTE: Environment variables can be referenced by embedding them between
"${" and "}", e.g. "${HOMEPATH}/Desktop"
# docuteamPacker.backupDir.Win =
# docuteamPacker.backupDir.OSX =
# docuteamPacker.backupDir.Linux =

# The directory the templates are stored in and retrieved from (if undefined
or empty, use SIPDir):
# NOTE: Environment variables can be referenced by embedding them between
"${" and "}", e.g. "${HOMEPATH}/Desktop"
# docuteamPacker.templateDir.Win =
# docuteamPacker.templateDir.OSX =
# docuteamPacker.templateDir.Linux =

# The directory the export templates (xsl) are stored in and retrieved from
(if undefined or empty, use "./resources/templates/exports"):
# NOTE: Environment variables can be referenced by embedding them between
"${" and "}", e.g. "${HOMEPATH}/Desktop"
# docuteamPacker.exportsDir.Win =
# docuteamPacker.exportsDir.OSX =
# docuteamPacker.exportsDir.Linux =

# The directory the report templates (xsl) are stored in and retrieved from
(if undefined or empty, use "./resources/templates/reports"):
# NOTE: Environment variables can be referenced by embedding them between
"${" and "}", e.g. "${HOMEPATH}/Desktop"
# docuteamPacker.reportsDir.Win =
# docuteamPacker.reportsDir.OSX =
# docuteamPacker.reportsDir.Linux =
```

```
# The temp-folder for temporary files can be set here (if undefined or
empty, use the folder "DocuteamPacker" in the java temp dir
(System.getProperty("java.io.tmpdir"))):
# NOTE: Environment variables can be referenced by embedding them between
"${" and "}", e.g. "${HOMEPATH}/Desktop"
# docuteamPacker.tempDir.Win =
# docuteamPacker.tempDir.OSX =
# docuteamPacker.tempDir.Linux =

# For the submission process: The class name of the AIPCreator (if undefined
or empty, don't use):
docuteamPacker.AIPCreator.className =
ch.docuteam.darc.ingest.AIPCreatorBasic

# For the submission process: The directory where to copy the submitted SIPs
to (= ingest drop folder) (if undefined or empty, don't use):
# NOTE: Environment variables can be referenced by embedding them between
"${" and "}", e.g. "${HOMEPATH}/Desktop"
AIPCreator.ingestSubmitDir.Win = C:/docuteam/workbench_de/1_inbox
# AIPCreator.ingestSubmitDir.OSX =
# AIPCreator.ingestSubmitDir.Linux =

# When true (case doesn't matter), the source files for a new SIP are
deleted after the SIP creation; defaults to "false"
# docuteamPacker.newSIPDeleteSourcesByDefault = false

# When true (case doesn't matter), the default format of a new SIP is a
zipped archive; otherwise it is a folder (undefined = true):
# docuteamPacker.newSIPDefaultsToZipped = false

# When true (case doesn't matter), the default migration action will be set
to keep the original file together with the selected migrated file;
otherwise it will replace the original file (undefined = true):
# docuteamPacker.migrateFileKeepOriginal = false

# When true (case doesn't matter), create a backup on every save; otherwise
not (undefined = true):
docuteamPacker.versioning = false

# When docuteamPacker.versioning = true, set here the max. number of
backups. Exceeding backups will be deleted (if undefined or empty, use
default = 10)
# docuteamPacker.versioning.keepBackupsCount = 20

# When true (case doesn't matter), the docuteam packer screen opens in full
screen mode; otherwise use screen size and position as specified below
(default = false):
# docuteamPacker.openFullScreen = true

# When openFullScreen is not true, these values denote the docuteam packer
screen size on startup (if undefined, take 1000 x 700):
```

```
# docuteamPacker.screenSize.x = 1200
# docuteamPacker.screenSize.y = 1000

# When openFullScreen is not true, these values denote the docuteam packer
screen position on startup (if undefined, center on screen):
# docuteamPacker.screenPos.x = 100
# docuteamPacker.screenPos.y = 100

# When true (case doesn't matter), use system look-and-feel; otherwise use
cross-platform = "Metal" (undefined = true):
# docuteamPacker.useSystemLookAndFeel = false

# Set the default digest algorithm to calculate file checksums (valid
values: CRC-32, MD5, SHA-1, SHA-256, SHA-512)
# docuteamPacker.defaultChecksumAlgorithm = MD5

# When true, retrieve the current SAs from the server (from URL below) on
startup; otherwise don't (undefined = false):
# docuteamPacker.SA.getSAsFromServerOnStartup = true

# The URL of the SA editor application (webjaxe):
# docuteamPacker.SA.BASE.URL =

# The complete file path to the 000 application ("OpenOffice.org" or
"OpenOffice.org 3") (if undefined or empty, use the internal 000
application;
# if undefined or empty AND the internal 000 application doesn't exist,
assume that no 000 application shall be used):
# docuteamPacker.OOConverter.path.Win = C:\Program Files\OpenOffice.org 3
# docuteamPacker.OOConverter.path.OSX = /Applications/OpenOffice.org.app
# docuteamPacker.OOConverter.path.Linux =

# The number of initialization retries for the OOConverter (if empty,
undefined, negative, or 0, use the default number, which is 10):
# docuteamPacker.OOConverter.initializationRetries = 30

# The number of files to cache for the file preview (if undefined or empty,
use the default cache size, which is 100):
# docuteamPacker.filePreviewer.cacheSizeLimit = 10

# When true, the SystemOutView opens when output occurs; otherwise not
(undefined = true):
# docuteamPacker.openSystemOutViewOnOutput = false

# When true, expand all nodes in tree of SIPView (if undefined or empty, use
false as default)
# docuteamPacker.SIPView.TreeExpandAll = true

# When a value between 1 and 3 is given, the appropriate tab in SIPView is
automatically set (if undefined or empty, 1 is assumed)
```

```
# docuteamPacker.SIPView.DefaultTab = 1

# For developers (undefined = false):
# docuteamPacker.isDevMode = true
```

## Explanations

The values „true“, „false“ oder „en“, are not case sensitive, e.g. „true“ is identical with „TRUE“, „True“ oder even „tRuE“ etc.

Field	Value (example)	Explanation	If empty or unidentified
<b>displayLanguage</b>	en	The language displayed in the user interface. So far there are three translations available (de = german, en = english, fr = french). If another language is set, packer will be displayed in German.	The default language of the computer. If it's neither "de", "en" or "fr", packer will be displayed in German.
<b>dataDir</b>	C:/Data/RawData	The default folder, from which files and folders can be selected to be added to the SIP.	The 'home'-folder of the current user
<b>SIPDir</b>	C:/Data/SIPs	The default folder for newly generated SIP or when opening or saving an SIP.	The 'home'-folder of the current user
<b>backupDir</b>	C:/Data/Backups	The folder in which backups are saved.	The folder specified in <SIPDir>.
<b>templateDir</b>	C:/Data/Templates	the folder in which templates are saved.	The folder specified in <SIPDir>.
<b>exportsDir</b>	C:/Data/Templates/exports	The folder in which templates for exports are saved.	The folder specified in <SIPDir>.
<b>reportsDir</b>	C:/Data/Templates/reports	The folder in which templates for reports are saved.	The folder specified in <SIPDir>.
<b>tempDir</b>	C:/Data/Temp	The folder for temporary files.	The temporary folder of the system is selected.
<b>ingestSubmitDir</b>	C:/Data/Submit	The folder to which SIP are submitted.	Submission is not possible.

Field	Value (example)	Explanation	If empty or unidentified
<b>newSIPDeleteSourceByDefault</b>	true	If true, the original files are deleted after the creation of the SIP.	Like false
<b>AIPCreator.className</b>	ch.docuteam.aip.AIPCreator	The name of the class, which the AIP generates.	AIP-creation is not possible.
<b>newSIPDefaultsToZipped</b>	true	If true, the box „ZIP“ is checked by default when creating a new SIP. If false, the box is not checked by default.	Like true
<b>migrateFileKeepOrginial</b>	true	During migration, the original file is normally replaced by its migrated version. In this case both the original as well as the migrated file are kept.	Like true
<b>versioning</b>	true	If true, an earlier version of the SIP is stored to the folder <backupDir> with each saving process. If false, no backups are created and the original SIP is overwritten.	Like true
<b>versioning.keepBackupsCount</b>	20	Maximum amount of created backups. If this amount is exceeded, the oldest backups are deleted.	10
<b>openFullScreen</b>	false	If true, the SIP-editing window fills the entire computer screen. If false, the values <screenSize.x> and <screenSize.y> are applied instead.	Like false
<b>screenSize.x screenSize.y</b>	1200 1000	The window size of the SIP-View in pixels. These values are ignored, when <openFullScreen> = true	1000x700 Pixel

Field	Value (example)	Explanation	If empty or unidentified
<b>screenPos.x</b> <b>screenPos.y</b>	500 500	The position of the window when opening the SIP-View. These values are ignored, when <openFullScreen> = true	centred
<b>useSystemLookAndFeel</b>	false	If true, the appearance of packer will be adapted to the operating system of the computer. If false, a generic appearance („metal“) is selected.	Like false
<b>defaultChecksumAlgorithm</b>	MD5	Cryptographic hash function to calculate the checksum. Supported values: CRC-32, MD5, SHA-1, SHA-256, SHA-512.	
<b>droid.signatureFile</b> <b>droid.containerFile</b> <b>droid.extensionUsage</b>		Should DROID use other configuration files than the standard ones, the values need to be indicated here.	
<b>SA.getSAsFromServerOnStartup</b>	true	If true, packer downloads the current SA List (submission agreements) from the web address indicated by the <SA.BASE.URL> when opened.	Like false
<b>SA.BASE.URL</b>	<a href="http://docuteam/sa">http://docuteam/sa</a>	The web address from which the current SAs can be downloaded manually or automatically when opening packer (if configured)	Nothing is downloaded.
<b>OOConverter.path</b>	C:/apps/LibreOffice5	The folder containing the LibreOffice application, which is used for the preview of certain files.	If absent, the preview of certain files is not possible.

Field	Value (example)	Explanation	If empty or unidentified
<b>OOConverter.initializationRetries</b>	30	The number of attempts during the initialisation of LibreOffice. Necessary for the preview of certain formats.	10
<b>filePreviewer.cacheSizeLimit</b>	20	Cache size for the preview of files. The larger the cache size, the more previews packer saves to memory.	100
<b>openSystemOutViewOnOutput</b>	true	If true, in the event of an error, the error window is automatically opened. If false, the error window doesn't open.	Like true
<b>SIPView.TreeExpandAll</b>	true	If true, all elements of the SIP structure are displayed.	Like true
<b>SIPView.DefaultTab</b>	1	For a value between 1 and 3, the corresponding tab is opened by default in the SIP-View.	1
<b>actionsNotVisible</b>	deleteltemDontAskAction,deleteltemAction	List of actions (separated by commas), that aren't displayed in the packer-interface. [refers to the names of instance variables of actions within the java class]	ignored
<b>isDevMode</b>	false	should only be = true during the development of packer	Like false

## config/levels.xml

### Example

```
<?xml version="1.0" encoding="UTF-8"?>
<LEVELS:Config
  xmlns:LEVELS="http://www.docuteam.ch/xmlns/levels"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
```



```
xsi:schemaLocation="http://www.docuteam.ch/xmlns/levels
levels.xsd">

  <LEVELS:MetadataElements>
    <LEVELS:AllowedValuesSeparator>;</LEVELS:AllowedValuesSeparator>
<!-- 1 -->
    <LEVELS:MetadataElement
accessorNameID="refCode"/>
    <LEVELS:MetadataElement                accessorNameID="fromYear"
validatorClassName="ch.docuteam.darc.mdconfig.MetadataElementValidatorYear"/
>
    <LEVELS:MetadataElement                accessorNameID="toYear"
validatorClassName="ch.docuteam.darc.mdconfig.MetadataElementValidatorYear"/
>
    <LEVELS:MetadataElement                accessorNameID="extent"
validatorClassName="ch.docuteam.darc.mdconfig.MetadataElementValidatorShort"
/>
    <LEVELS:MetadataElement                accessorNameID="material"
allowedValues=";cm;lfm;Bd(e).;Heft(e);Einheit(en);kB;MB;GB"/>
<!-- 2 -->
    <LEVELS:MetadataElement
accessorNameID="archivalHistory"/>
    <LEVELS:MetadataElement
accessorNameID="accessNr"/>
<!-- 3 -->
    <LEVELS:MetadataElement
accessorNameID="scopeContent"/>
    <LEVELS:MetadataElement
accessorNameID="appraisalAndDestruction"/>
    <LEVELS:MetadataElement
accessorNameID="arrangement"/>
<!-- 4 -->
    <LEVELS:MetadataElement
accessorNameID="accessRestriction"/>
    <LEVELS:MetadataElement
accessorNameID="conditionsOfReproductions"/>
    <LEVELS:MetadataElement                accessorNameID="language"
allowedValues="*;Deutsch;English;Français;Italiano"/>
    <LEVELS:MetadataElement
accessorNameID="characteristics"/>
    <LEVELS:MetadataElement
accessorNameID="findingAids"/>
<!-- 5 -->
    <LEVELS:MetadataElement
accessorNameID="locationOfOriginals"/>
    <LEVELS:MetadataElement
accessorNameID="reproductions"/>
    <LEVELS:MetadataElement
accessorNameID="relatedMaterial"/>
    <LEVELS:MetadataElement
accessorNameID="bibliography"/>
```

```
<!-- 6 -->
  <LEVELS:MetadataElement
accessorNameID="comment"/>
<!-- 7 -->
  <LEVELS:MetadataElement
accessorNameID="descriptionRules"/>
  </LEVELS:MetadataElements>

  <LEVELS:Levels>
    <!-- NOTE: The 1st element in this list always has to be the
"undefined" level! -->
    <LEVELS:Level nameID="Undefiniert"
iconFileName="resources/images/LevelUndefined.png"
allowedSublevelNameRefs="Undefiniert Archiv Abteilung Bestand Unterbestand
Serie Unterserie Dossier Teildossier Dokument">
      <LEVELS:LevelMetadataElement      accessorNameRef="refCode"
isMandatory="false"      isRepeatable="false"      isAlwaysDisplayed="true"/>
      <LEVELS:LevelMetadataElement      accessorNameRef="fromYear"
isMandatory="false"      isRepeatable="false"      isAlwaysDisplayed="true"/>
      <LEVELS:LevelMetadataElement      accessorNameRef="toYear"
isMandatory="false"      isRepeatable="false"      isAlwaysDisplayed="true"/>
      <LEVELS:LevelMetadataElement      accessorNameRef="extent"
isMandatory="false"      isRepeatable="false"      isAlwaysDisplayed="true"/>
      <LEVELS:LevelMetadataElement      accessorNameRef="material"
isMandatory="false"      isRepeatable="false"      isAlwaysDisplayed="true"/>
      <LEVELS:LevelMetadataElement
accessorNameRef="archivalHistory"      isMandatory="false"
isRepeatable="false"      isAlwaysDisplayed="true"/>
      <LEVELS:LevelMetadataElement      accessorNameRef="accessNr"
isMandatory="false"      isRepeatable="false"      isAlwaysDisplayed="true"/>
      <LEVELS:LevelMetadataElement
accessorNameRef="scopeContent"
isMandatory="false"      isRepeatable="false"      isAlwaysDisplayed="true"
displayRows="3"/>
      <LEVELS:LevelMetadataElement
accessorNameRef="appraisalAndDestruction"      isMandatory="false"
isRepeatable="false"      isAlwaysDisplayed="true"/>
      <LEVELS:LevelMetadataElement
accessorNameRef="arrangement"      isMandatory="false"
isRepeatable="false"      isAlwaysDisplayed="true"/>
      <LEVELS:LevelMetadataElement
accessorNameRef="accessRestriction"
isMandatory="false"      isRepeatable="false"      isAlwaysDisplayed="true"/>
      <LEVELS:LevelMetadataElement
accessorNameRef="conditionsOfReproductions"
isMandatory="false"      isRepeatable="false"      isAlwaysDisplayed="true"/>
      <LEVELS:LevelMetadataElement      accessorNameRef="language"
isMandatory="false"      isRepeatable="false"      isAlwaysDisplayed="true"/>
      <LEVELS:LevelMetadataElement
accessorNameRef="characteristics"      isMandatory="false"
```

```

isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="findingAids"                                isMandatory="false"
isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="locationOfOriginals"                       isMandatory="false"
isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="reproductions"                             isAlwaysDisplayed="true"/>
isMandatory="false"    isRepeatable="false"
    <LEVELS:LevelMetadataElement
accessorNameRef="relatedMaterial"                           isMandatory="false"
isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="bibliography"                              isAlwaysDisplayed="true"/>
isMandatory="false"    isRepeatable="false"
    <LEVELS:LevelMetadataElement
accessorNameRef="comment"                                   isAlwaysDisplayed="true"
displayRows="5"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="descriptionRules"                          isAlwaysDisplayed="true"/>
</LEVELS:Level>
<LEVELS:Level nameID="Archiv"
iconFileName="resources/images/Level1.png"
allowedSublevelNameRefs="Abteilung Bestand undefiniert">
    <LEVELS:LevelMetadataElement
accessorNameRef="refCode"                                   isAlwaysDisplayed="true"/>
isMandatory="false"    isRepeatable="false"
    <LEVELS:LevelMetadataElement
accessorNameRef="fromYear"                                 isAlwaysDisplayed="true"/>
isMandatory="false"    isRepeatable="false"
    <LEVELS:LevelMetadataElement
accessorNameRef="toYear"                                   isAlwaysDisplayed="true"/>
isMandatory="false"    isRepeatable="false"
    <LEVELS:LevelMetadataElement
accessorNameRef="extent"                                   isAlwaysDisplayed="true"/>
isMandatory="false"    isRepeatable="false"
    <LEVELS:LevelMetadataElement
accessorNameRef="material"                                 isAlwaysDisplayed="true"/>
isMandatory="false"    isRepeatable="false"
    <LEVELS:LevelMetadataElement
accessorNameRef="archivalHistory"                           isMandatory="false"
isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="accessNr"                                 isAlwaysDisplayed="true"/>
isMandatory="false"    isRepeatable="false"
    <LEVELS:LevelMetadataElement
accessorNameRef="scopeContent"                              isAlwaysDisplayed="true"
displayRows="3"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="appraisalAndDestruction"                  isMandatory="false"
isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="arrangement"                              isMandatory="false"
isRepeatable="false"    isAlwaysDisplayed="true"/>

```

```
<LEVELS:LevelMetadataElement
accessorNameRef="accessRestriction"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement
accessorNameRef="conditionsOfReproductions"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="language"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
      <LEVELS:LevelMetadataElement
accessorNameRef="characteristics"
isRepeatable="false"    isAlwaysDisplayed="true"/>
        <LEVELS:LevelMetadataElement
accessorNameRef="findingAids"
isRepeatable="false"    isAlwaysDisplayed="true"/>
          <LEVELS:LevelMetadataElement
accessorNameRef="locationOfOriginals"
isRepeatable="false"    isAlwaysDisplayed="true"/>
            <LEVELS:LevelMetadataElement
accessorNameRef="reproductions"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
              <LEVELS:LevelMetadataElement
accessorNameRef="relatedMaterial"
isRepeatable="false"    isAlwaysDisplayed="true"/>
                <LEVELS:LevelMetadataElement
accessorNameRef="bibliography"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
                  <LEVELS:LevelMetadataElement
accessorNameRef="comment"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"
displayRows="5"/>
                    <LEVELS:LevelMetadataElement
accessorNameRef="descriptionRules"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
  </LEVELS:Level>
  <LEVELS:Level nameID="Abteilung"
iconFileName="resources/images/Level2.png"
allowedSublevelNameRefs="Bestand undefiniert">
    <LEVELS:LevelMetadataElement
accessorNameRef="refCode"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
      <LEVELS:LevelMetadataElement
accessorNameRef="fromYear"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
        <LEVELS:LevelMetadataElement
accessorNameRef="toYear"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
          <LEVELS:LevelMetadataElement
accessorNameRef="extent"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
            <LEVELS:LevelMetadataElement
accessorNameRef="material"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
              <LEVELS:LevelMetadataElement
accessorNameRef="archivalHistory"
isRepeatable="false"    isAlwaysDisplayed="true"/>
                <LEVELS:LevelMetadataElement
accessorNameRef="accessNr"
```

```

isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="scopeContent"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"
displayRows="3"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="appraisalAndDestruction"    isMandatory="false"
isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="arrangement"    isMandatory="false"
isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="accessRestriction"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="conditionsOfReproductions"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="language"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="characteristics"    isMandatory="false"
isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="findingAids"    isMandatory="false"
isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="locationOfOriginals"    isMandatory="false"
isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="reproductions"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="relatedMaterial"    isMandatory="false"
isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="bibliography"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="comment"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"
displayRows="5"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="descriptionRules"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
</LEVELS:Level>
<LEVELS:Level nameID="Bestand"
iconFileName="resources/images/Level3.png"
allowedSublevelNameRefs="Unterbestand Serie Dossier undefiniert">
    <LEVELS:LevelMetadataElement
accessorNameRef="refCode"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="fromYear"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>

```

```
<LEVELS:LevelMetadataElement      accessorNameRef="toYear"
isMandatory="false"      isRepeatable="false"      isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement      accessorNameRef="extent"
isMandatory="false"      isRepeatable="false"      isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement      accessorNameRef="material"
isMandatory="false"      isRepeatable="false"      isAlwaysDisplayed="true"/>
      <LEVELS:LevelMetadataElement
accessorNameRef="archivalHistory"      isMandatory="false"
isRepeatable="false"      isAlwaysDisplayed="true"/>
        <LEVELS:LevelMetadataElement      accessorNameRef="accessNr"
isMandatory="false"      isRepeatable="false"      isAlwaysDisplayed="true"/>
          <LEVELS:LevelMetadataElement
accessorNameRef="scopeContent"
isMandatory="false"      isRepeatable="false"      isAlwaysDisplayed="true"
displayRows="3"/>
            <LEVELS:LevelMetadataElement
accessorNameRef="appraisalAndDestruction"      isMandatory="false"
isRepeatable="false"      isAlwaysDisplayed="true"/>
              <LEVELS:LevelMetadataElement
accessorNameRef="arrangement"      isMandatory="false"
isRepeatable="false"      isAlwaysDisplayed="true"/>
                <LEVELS:LevelMetadataElement
accessorNameRef="accessRestriction"
isMandatory="false"      isRepeatable="false"      isAlwaysDisplayed="true"/>
                  <LEVELS:LevelMetadataElement
accessorNameRef="conditionsOfReproductions"
isMandatory="false"      isRepeatable="false"      isAlwaysDisplayed="true"/>
                    <LEVELS:LevelMetadataElement      accessorNameRef="language"
isMandatory="false"      isRepeatable="false"      isAlwaysDisplayed="true"/>
                      <LEVELS:LevelMetadataElement
accessorNameRef="characteristics"      isMandatory="false"
isRepeatable="false"      isAlwaysDisplayed="true"/>
                        <LEVELS:LevelMetadataElement
accessorNameRef="findingAids"      isMandatory="false"
isRepeatable="false"      isAlwaysDisplayed="true"/>
                          <LEVELS:LevelMetadataElement
accessorNameRef="locationOfOriginals"      isMandatory="false"
isRepeatable="false"      isAlwaysDisplayed="true"/>
                            <LEVELS:LevelMetadataElement
accessorNameRef="reproductions"
isMandatory="false"      isRepeatable="false"      isAlwaysDisplayed="true"/>
                                <LEVELS:LevelMetadataElement
accessorNameRef="relatedMaterial"      isMandatory="false"
isRepeatable="false"      isAlwaysDisplayed="true"/>
                                    <LEVELS:LevelMetadataElement
accessorNameRef="bibliography"
isMandatory="false"      isRepeatable="false"      isAlwaysDisplayed="true"/>
                                        <LEVELS:LevelMetadataElement      accessorNameRef="comment"
isMandatory="false"      isRepeatable="false"      isAlwaysDisplayed="true"
displayRows="5"/>
```

```

    <LEVELS:LevelMetadataElement
accessorNameRef="descriptionRules"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
    </LEVELS:Level>
    <LEVELS:Level nameID="Unterbestand"
iconFileName="resources/images/Level4.png"
allowedSublevelNameRefs="Serie Dossier undefiniert">
    <LEVELS:LevelMetadataElement    accessorNameRef="refCode"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement    accessorNameRef="fromYear"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement    accessorNameRef="toYear"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement    accessorNameRef="extent"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement    accessorNameRef="material"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="archivalHistory"    isMandatory="false"
isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement    accessorNameRef="accessNr"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="scopeContent"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"
displayRows="3"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="appraisalAndDestruction"    isMandatory="false"
isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="arrangement"    isMandatory="false"
isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="accessRestriction"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="conditionsOfReproductions"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement    accessorNameRef="language"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="characteristics"    isMandatory="false"
isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="findingAids"    isMandatory="false"
isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="locationOfOriginals"    isMandatory="false"
isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="reproductions"

```

```
isMandatory="false" isRepeatable="false" isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement
accessorNameRef="relatedMaterial" isMandatory="false"
isRepeatable="false" isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement
accessorNameRef="bibliography"
isMandatory="false" isRepeatable="false" isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement
accessorNameRef="comment"
isMandatory="false" isRepeatable="false" isAlwaysDisplayed="true"
displayRows="5"/>
  <LEVELS:LevelMetadataElement
accessorNameRef="descriptionRules"
isMandatory="false" isRepeatable="false" isAlwaysDisplayed="true"/>
</LEVELS:Level>
  <LEVELS:Level nameID="Serie"
iconFileName="resources/images/Level5.png"
allowedSublevelNameRefs="Unterserie Dossier Dokument undefiniert">
  <LEVELS:LevelMetadataElement
accessorNameRef="refCode"
isMandatory="false" isRepeatable="false" isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement
accessorNameRef="fromYear"
isMandatory="false" isRepeatable="false" isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement
accessorNameRef="toYear"
isMandatory="false" isRepeatable="false" isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement
accessorNameRef="extent"
isMandatory="false" isRepeatable="false" isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement
accessorNameRef="material"
isMandatory="false" isRepeatable="false" isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement
accessorNameRef="archivalHistory" isMandatory="false"
isRepeatable="false" isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement
accessorNameRef="accessNr"
isMandatory="false" isRepeatable="false" isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement
accessorNameRef="scopeContent"
isMandatory="false" isRepeatable="false" isAlwaysDisplayed="true"
displayRows="3"/>
  <LEVELS:LevelMetadataElement
accessorNameRef="appraisalAndDestruction" isMandatory="false"
isRepeatable="false" isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement
accessorNameRef="arrangement" isMandatory="false"
isRepeatable="false" isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement
accessorNameRef="accessRestriction"
isMandatory="false" isRepeatable="false" isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement
accessorNameRef="conditionsOfReproductions"
isMandatory="false" isRepeatable="false" isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement
accessorNameRef="language"
isMandatory="false" isRepeatable="false" isAlwaysDisplayed="true"/>
```



```

    <LEVELS:LevelMetadataElement
accessorNameRef="characteristics" isMandatory="false"
isRepeatable="false" isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="findingAids" isMandatory="false"
isRepeatable="false" isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="locationOfOriginals" isMandatory="false"
isRepeatable="false" isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="reproductions"
isMandatory="false" isRepeatable="false" isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="relatedMaterial" isMandatory="false"
isRepeatable="false" isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="bibliography"
isMandatory="false" isRepeatable="false" isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="comment"
isMandatory="false" isRepeatable="false" isAlwaysDisplayed="true"
displayRows="5"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="descriptionRules"
isMandatory="false" isRepeatable="false" isAlwaysDisplayed="true"/>
  </LEVELS:Level>
  <LEVELS:Level nameID="Unterserie"
iconFileName="resources/images/Level6.png"
allowedSublevelNameRefs="Unterserie Dossier Dokument undefiniert">
    <LEVELS:LevelMetadataElement
accessorNameRef="refCode"
isMandatory="false" isRepeatable="false" isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="fromYear"
isMandatory="false" isRepeatable="false" isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="toYear"
isMandatory="false" isRepeatable="false" isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="extent"
isMandatory="false" isRepeatable="false" isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="material"
isMandatory="false" isRepeatable="false" isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="archivalHistory" isMandatory="false"
isRepeatable="false" isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="accessNr"
isMandatory="false" isRepeatable="false" isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="scopeContent"
isMandatory="false" isRepeatable="false" isAlwaysDisplayed="true"
displayRows="3"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="appraisalAndDestruction" isMandatory="false"
isRepeatable="false" isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement

```

```
accessorNameRef="arrangement" isMandatory="false"
isRepeatable="false" isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement
accessorNameRef="accessRestriction"
isMandatory="false" isRepeatable="false" isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement
accessorNameRef="conditionsOfReproductions"
isMandatory="false" isRepeatable="false" isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement
accessorNameRef="language"
isMandatory="false" isRepeatable="false" isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement
accessorNameRef="characteristics" isMandatory="false"
isRepeatable="false" isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement
accessorNameRef="findingAids" isMandatory="false"
isRepeatable="false" isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement
accessorNameRef="locationOfOriginals" isMandatory="false"
isRepeatable="false" isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement
accessorNameRef="reproductions"
isMandatory="false" isRepeatable="false" isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement
accessorNameRef="relatedMaterial" isMandatory="false"
isRepeatable="false" isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement
accessorNameRef="bibliography"
isMandatory="false" isRepeatable="false" isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement
accessorNameRef="comment"
isMandatory="false" isRepeatable="false" isAlwaysDisplayed="true"
displayRows="5"/>
  <LEVELS:LevelMetadataElement
accessorNameRef="descriptionRules"
isMandatory="false" isRepeatable="false" isAlwaysDisplayed="true"/>
  </LEVELS:Level>
  <LEVELS:Level nameID="Dossier"
iconFileName="resources/images/Level7.png"
allowedSublevelNameRefs="Teildossier Dokument undefiniert">
  <LEVELS:LevelMetadataElement
accessorNameRef="refCode"
isMandatory="false" isRepeatable="false" isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement
accessorNameRef="fromYear"
isMandatory="false" isRepeatable="false" isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement
accessorNameRef="toYear"
isMandatory="false" isRepeatable="false" isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement
accessorNameRef="extent"
isMandatory="false" isRepeatable="false" isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement
accessorNameRef="material"
isMandatory="false" isRepeatable="false" isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement
accessorNameRef="archivalHistory" isMandatory="false"
```

```

isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement        accessorNameRef="accessNr"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="scopeContent"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"
displayRows="3"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="appraisalAndDestruction"        isMandatory="false"
isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="arrangement"        isMandatory="false"
isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="accessRestriction"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="conditionsOfReproductions"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement        accessorNameRef="language"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="characteristics"        isMandatory="false"
isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="findingAids"        isMandatory="false"
isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="locationOfOriginals"        isMandatory="false"
isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="reproductions"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="relatedMaterial"        isMandatory="false"
isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="bibliography"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement        accessorNameRef="comment"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"
displayRows="5"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="descriptionRules"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
    </LEVELS:Level>
    <LEVELS:Level nameID="Teildossier"
iconFileName="resources/images/Level8.png"
allowedSublevelNameRefs="Teildossier Dokument undefiniert">
    <LEVELS:LevelMetadataElement        accessorNameRef="refCode"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>

```

```
<LEVELS:LevelMetadataElement      accessorNameRef="fromYear"
isMandatory="false"      isRepeatable="false"      isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement      accessorNameRef="toYear"
isMandatory="false"      isRepeatable="false"      isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement      accessorNameRef="extent"
isMandatory="false"      isRepeatable="false"      isAlwaysDisplayed="true"/>
      <LEVELS:LevelMetadataElement      accessorNameRef="material"
isMandatory="false"      isRepeatable="false"      isAlwaysDisplayed="true"/>
        <LEVELS:LevelMetadataElement
accessorNameRef="archivalHistory"      isMandatory="false"
isRepeatable="false"      isAlwaysDisplayed="true"/>
          <LEVELS:LevelMetadataElement      accessorNameRef="accessNr"
isMandatory="false"      isRepeatable="false"      isAlwaysDisplayed="true"/>
            <LEVELS:LevelMetadataElement
accessorNameRef="scopeContent"
isMandatory="false"      isRepeatable="false"      isAlwaysDisplayed="true"
displayRows="3"/>
              <LEVELS:LevelMetadataElement
accessorNameRef="appraisalAndDestruction"      isMandatory="false"
isRepeatable="false"      isAlwaysDisplayed="true"/>
                <LEVELS:LevelMetadataElement
accessorNameRef="arrangement"      isMandatory="false"
isRepeatable="false"      isAlwaysDisplayed="true"/>
                  <LEVELS:LevelMetadataElement
accessorNameRef="accessRestriction"
isMandatory="false"      isRepeatable="false"      isAlwaysDisplayed="true"/>
                    <LEVELS:LevelMetadataElement
accessorNameRef="conditionsOfReproductions"
isMandatory="false"      isRepeatable="false"      isAlwaysDisplayed="true"/>
                      <LEVELS:LevelMetadataElement
accessorNameRef="language"
isMandatory="false"      isRepeatable="false"      isAlwaysDisplayed="true"/>
                        <LEVELS:LevelMetadataElement
accessorNameRef="characteristics"      isMandatory="false"
isRepeatable="false"      isAlwaysDisplayed="true"/>
                          <LEVELS:LevelMetadataElement
accessorNameRef="findingAids"      isMandatory="false"
isRepeatable="false"      isAlwaysDisplayed="true"/>
                            <LEVELS:LevelMetadataElement
accessorNameRef="locationOfOriginals"      isMandatory="false"
isRepeatable="false"      isAlwaysDisplayed="true"/>
                                <LEVELS:LevelMetadataElement
accessorNameRef="reproductions"
isMandatory="false"      isRepeatable="false"      isAlwaysDisplayed="true"/>
                                    <LEVELS:LevelMetadataElement
accessorNameRef="relatedMaterial"      isMandatory="false"
isRepeatable="false"      isAlwaysDisplayed="true"/>
                                        <LEVELS:LevelMetadataElement
accessorNameRef="bibliography"
isMandatory="false"      isRepeatable="false"      isAlwaysDisplayed="true"/>
                                            <LEVELS:LevelMetadataElement
accessorNameRef="comment"
```

```

isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"
displayRows="5"/>
  <LEVELS:LevelMetadataElement
accessorNameRef="descriptionRules"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
  </LEVELS:Level>
  <LEVELS:Level nameID="Dokument"
iconFileName="resources/images/Level9.png"
allowedSublevelNameRefs="Undefinierter">
  <LEVELS:LevelMetadataElement    accessorNameRef="refCode"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement    accessorNameRef="fromYear"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement    accessorNameRef="toYear"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement    accessorNameRef="extent"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement    accessorNameRef="material"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement
accessorNameRef="archivalHistory"    isMandatory="false"
isRepeatable="false"    isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement    accessorNameRef="accessNr"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement
accessorNameRef="scopeContent"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"
displayRows="3"/>
  <LEVELS:LevelMetadataElement
accessorNameRef="appraisalAndDestruction"    isMandatory="false"
isRepeatable="false"    isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement
accessorNameRef="arrangement"    isMandatory="false"
isRepeatable="false"    isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement
accessorNameRef="accessRestriction"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement
accessorNameRef="conditionsOfReproductions"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement    accessorNameRef="language"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement
accessorNameRef="characteristics"    isMandatory="false"
isRepeatable="false"    isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement
accessorNameRef="findingAids"    isMandatory="false"
isRepeatable="false"    isAlwaysDisplayed="true"/>
  <LEVELS:LevelMetadataElement
accessorNameRef="locationOfOriginals"    isMandatory="false"
isRepeatable="false"    isAlwaysDisplayed="true"/>

```

```

    <LEVELS:LevelMetadataElement
accessorNameRef="reproductions"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="relatedMaterial"    isMandatory="false"
isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="bibliography"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="comment"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"
displayRows="5"/>
    <LEVELS:LevelMetadataElement
accessorNameRef="descriptionRules"
isMandatory="false"    isRepeatable="false"    isAlwaysDisplayed="true"/>
    </LEVELS:Level>
</LEVELS:Levels>

</LEVELS:Config>

```

In the first section of the levels.xml file (<LEVELS:MetadataElements>) all available [metadata elements](#) are defined.

In the second section of the levels.xml file (<LEVELS:Levels>) the [levels of description](#) as well as the allocation of metadata elements to the corresponding levels are defined.

## metadata element

A metadata element is defined by following five attributes:

Name	Content(example)	Explanation	Mandatory
<b>accessorNameId</b>	accessNr	Explicit name of the metadata field. The name must correspond to one of the <a href="#">elements in the list below</a> , through which the data in packer is accessed. In case of need a metadata field can receive an individual label through the i18n-configuration.	mandatory
<b>defaultExpression</b>	'new java.text.SimpleDateFormat(„yyyy-MM-dd“).format(new java.util.Date())' or '((ch.docuteam.darc.mets.structmap.NodeAbstract)object1).getMimeType()'	A Java expression used to initialise the content of this field upon creation (?). The current node is referenced by: '(ch.docuteam.darc.mets.structmap.NodeAbstract)object1'	optional
<b>validatorClassName</b>	ch.docuteam.darc.mdconfig.MetadataElementValidatorDate	A Java class, which validates the content of this metadata element upon its allocation. If the entered value is not valid, an error message is displayed and the field reverts to the last value.	
<b>postActionClassName</b>	ch.docuteam.darc.mdconfig.MetadataElementSetterPostActionSysOut	A Java class, which executes any given action, <b>after</b> a value has been entered into this field. This action is <b>not</b> executed if the validation of the entered value fails.	
<b>allowedValues</b>	*;Deutsch;English;Français;Italiano	A list of values displayed as a drop-down menu in packer. If the first element of this list is an asterisk „*“, additional terms can be added.	

Ein Beispiel:

```

<LEVELS:MetadataElement    accessorNameID="retentionPolicy"
    defaultExpression=' "Confidential" '
allowedValues="OpenAccess;EmbargoPeriod30Years;EmbargoPeriod50Years;Confidential"/>

```

Mit dem Element <LEVELS:AllowedValuesSeparator> kann der Separator der allowedValues-Liste

eingestellt werden. Dieser kann auch aus mehreren Buchstaben bestehen, z.B.:

```
<LEVELS:MetadataElements>
  <LEVELS:AllowedValuesSeparator>::</LEVELS:AllowedValuesSeparator>

  <LEVELS:MetadataElement accessorNameID="language"
allowedValues="*::Deutsch::English::Français::Italiano"/>
```

## Verzeichnungsebenen

Eine Verzeichnungsebene wird durch folgende drei Attribute definiert:

Name	Inhalt (Beispiel)	Erklärung	Obligatorisch
<b>nameID</b>	Archiv	Der eindeutige Name dieser Verzeichnungsebene	*
<b>iconFileName</b>	resources/images/LevelSerie.png	Der Pfad zur Icon-Datei dieser Ebene. Wenn diese Datei nicht existiert, wird ein gelbes Warn-Icon angezeigt	*
<b>allowedSublevelNameRefs</b>	Abteilung Bestand undefiniert	Die Liste der für diese Verzeichnungsebene erlaubten Unterebenen. Die Elemente dieser Liste müssen in dieser Datei spezifiziert sein (als nameID) und durch ein <b>Leerzeichen</b> getrennt werden. Das Erste Element dieser Liste wird bei neuen Unterelementen als Standardebene gesetzt	

Ein Beispiel:

```
<LEVELS:Level nameID="Archiv"
iconFileName="resources/images/LevelSerie.png"
  allowedSublevelNameRefs="Abteilung Bestand undefiniert">
```

Die Zuweisung von Metadaten-Elementen zu Verzeichnungsebenen wird durch eine Liste von Elementen <LEVELS:LevelMetadataElement> definiert. Dieses Element enthält folgende 7 Attribute:

Name	Inhalt (Beispiel)	Erklärung	Obligatorisch
<b>accessorNameRef</b>	language	Die accessorNameID des Metadaten-Elementes; referenziert eine accessorNameID aus der Liste der <LEVELS:MetadataElements> (siehe oben)	*
<b>isMandatory</b>	true	Wenn true, ist dieses Metadaten-Element obligatorisch. Obligatorische Elemente werden immer in der Metadaten-Liste angezeigt. Wenn ein obligatorisches Element leer ist, wird das Dossier mit einem Ausrufezeichen markiert	*
<b>isRepeatable</b>	false	Wenn true, können mehrere Exemplare dieses Metadaten-Elementes in der Metadaten-Liste vorhanden sein, welche im packer nach Bedarf zugefügt oder entfernt werden können	*
<b>isAlwaysDisplayed</b>	true	Wenn true, wird dieses Metadaten-Element immer in der Metadaten-Liste angezeigt	
<b>isReadOnly</b>	false	Wenn true, kann dieses Metadaten-Element manuell <b>nicht</b> geändert werden. Ist eine „defaultExpression“ angegeben, wird das Metadaten-Element beim Erstellen damit initialisiert	
<b>keepInTemplate</b>	false	Wenn true, wird dieses Metadaten-Element beim Erstellen einer Vorlage <b>nicht</b> gelöscht	
<b>displayRows</b>	5	Gibt die Anzahl der Zeilen bei der Darstellung dieses Metadaten-Elementes in der Metadaten-Liste an	

Ein Beispiel:

```
<LEVELS:LevelMetadataElement accessorNameRef="PID" isMandatory="false"
isRepeatable="false"
isAlwaysDisplayed="true"
isReadOnly="true"/>
```

## List of descriptive metadata according to the Encoded Archival Description (EAD)

Alle beschreibenden Metadaten werden unter Verwendung des EAD-Schemas innerhalb der Datei mets.xml gespeichert. Welche EAD-Elemente verwendet werden, wird aus der folgenden Tabelle ersichtlich:

[Download MetadataToXPathMapping\\_2.18.13.xlsx](#)

AccessorNameID	Xpath relative to a <c> or <archdesc> element	is dynamic	ISAD(G)
<b>abstract</b>	EAD:did/EAD:abstract	yes	
<b>accessionNumber</b>	EAD:did/EAD:unitid[@type = 'accession']	yes	
<b>accessNr</b>	EAD:acqinfo/EAD:p	yes	3.2.4
<b>accessPolicy</b>	EAD:accessrestrict[@type = 'accessPolicy']/EAD:p	yes	
<b>accessRestriction</b>	EAD:accessrestrict[@type = 'restrictions']/EAD:p	yes	3.4.1



AccessorNameID	Xpath relative to a <c> or <archdesc> element	is dynamic	ISAD(G)
accessRestrictionClassification	EAD:accessrestrict[@type = 'accessRestrictionsClassification']/EAD:p	yes	
accessRestrictionClosureYear	EAD:accessrestrict[@type = 'accessRestrictionsClosureYear']/EAD:p	yes	
accessRestrictionExplanation	EAD:accessrestrict[@type = 'accessRestrictionsExplanation']/EAD:p	yes	
accessRestrictionIsMetadataPublic	EAD:accessrestrict[@type = 'accessRestrictionsIsMetadataPublic']/EAD:p	yes	
accessRestrictionIsPublic	EAD:accessrestrict[@type = 'accessRestrictionsIsPublic']/EAD:p	yes	
accessRestrictionPeriod	EAD:accessrestrict[@type = 'accessRestrictionsPeriod']/EAD:p	yes	
accessRestrictionPeriodBaseYear	EAD:accessrestrict[@type = 'accessRestrictionsPeriodBaseYear']/EAD:p	yes	
accessRestrictionPrivacy	EAD:accessrestrict[@type = 'accessRestrictionsPrivacy']/EAD:p	yes	
accessRestrictionStatus	EAD:accessrestrict[@type = 'accessRestrictionsStatus']/EAD:p	yes	
accessRestrictionStatusExplanation	EAD:accessrestrict[@type = 'accessRestrictionsStatusExplanation']/EAD:p	yes	
accruals	EAD:accruals/EAD:p	yes	3.3.3
appraisalAndDestruction	EAD:appraisal/EAD:p	yes	3.3.2
appraisalDateDisposed	EAD:appraisal/EAD:note[@type = 'dateDisposed']/EAD:p	yes	
appraisalIsOnHold	EAD:appraisal/EAD:note[@type = 'isOnHold']/EAD:p	yes	
appraisalRetentionPeriod	EAD:appraisal/EAD:note[@type = 'retentionPeriod']/EAD:p	yes	
archivalHistory	EAD:custodhist/EAD:p	yes	3.2.3
arrangement	EAD:arrangement/EAD:p	yes	3.3.4
author	EAD:controlaccess/EAD:persname[@role = 'author']	yes	
bibliography	EAD:bibliography/EAD:p	yes	3.5.4
biographicalHistory	EAD:bioghist/EAD:p	yes	3.2.2
cartographicMaterial	EAD:did/EAD:materialsdesc[@label = 'cartographic']	yes	
characteristics	EAD:phystech/EAD:p	yes	3.4.4
characteristicsNote	EAD:phystech/EAD:note/EAD:p	yes	
codeLocation	EAD:did/EAD:physloc[@label = 'code']	yes	
comment	EAD:note/EAD:p	yes	3.6.1
compartment	EAD:controlaccess/EAD:name[@role = 'compartment']	yes	
conditionsOfReproductions	EAD:userrestrict/EAD:p	yes	3.4.2
creationPeriod	EAD:did/EAD:unitdate[@label = 'creationPeriod']	yes	
creationPeriodNotes	EAD:did/EAD:unitdate[@label = 'creationPeriodNotes']	yes	
creator	EAD:controlaccess/EAD:persname[@role = 'creator']	yes	
date	EAD:did/EAD:unitdate[@label = 'date']	yes	
dateOfBirth	EAD:bioghist/EAD:note[@type = 'dateBirth']/EAD:p	yes	
deathOfAuthor	EAD:bioghist/EAD:note[not(@type)]/EAD:p/EAD:date[@type = 'deathAuthor']	yes	
descriptionLevel	EAD:processinfo[@type = 'level']/EAD:p	yes	
descriptionLevelNotes	EAD:processinfo[@type = 'levelNotes']/EAD:p	yes	
descriptionRules	EAD:processinfo[@type = 'rules']/EAD:p	yes	3.7.2
digitization	EAD:processinfo[@type = 'digitization']/EAD:p	yes	
dimensions	EAD:did/EAD:physdesc/EAD:dimensions	yes	
DOI	EAD:did/EAD:unitid[@type = 'otherStandardIdentifier']	yes	
DoiJournal	EAD:odd[@type = 'doiJournal']/EAD:p	yes	
editionStatement	EAD:odd[@type = 'edition']/EAD:p	yes	
event	EAD:odd[@type = 'event']/EAD:p	yes	
extent	EAD:did/EAD:physdesc/EAD:extent[not(@type)]	yes	3.1.5

AccessorNameID	Xpath relative to a <c> or <archdesc> element	is dynamic	ISAD(G)
extentNote	EAD:did/EAD:physdesc/EAD:extent[@type = 'note']	yes	3.1.5
extentUnit	EAD:did/EAD:physdesc/EAD:extent[not(@type)]/@unit	yes	
familyName	EAD:controlaccess/EAD:famname[@role = 'general']	yes	
findingAids	EAD:otherfindaid/EAD:p	yes	3.4.5
firstname	EAD:bioghist/EAD:note[@type = 'firstName']/EAD:p	yes	
format	EAD:did/EAD:physdesc[@label = 'format']	yes	
from	EAD:did/EAD:unitdate[@label = 'from']	yes	3.1.3
fromYear	EAD:did/EAD:unitdate[@label = 'fromYear']	yes	3.1.3
fullLocation	EAD:did/EAD:physloc[@label = 'fullLocation']	yes	
function	EAD:controlaccess/EAD:function[@role = 'general']	yes	
fundingSource	EAD:controlaccess/EAD:name[@role = 'fundingSource']	yes	
geogName	EAD:controlaccess/EAD:geogname[@role = 'general']	yes	
institute	EAD:controlaccess/EAD:name[@role = 'institute']	yes	
institution	EAD:controlaccess/EAD:corpname[not(@role)]	yes	
institutionCreator	EAD:controlaccess/EAD:corpname[@role = 'creator']	yes	
institutionInvolved	EAD:controlaccess/EAD:corpname[@role = 'involved']	yes	
involved	EAD:controlaccess/EAD:persname[@role = 'involved']	yes	
ISBN	EAD:did/EAD:unitid[@type = 'isbn']	yes	
ISSN	EAD:did/EAD:unitid[@type = 'issn']	yes	
journal	EAD:controlaccess/EAD:name[@role = 'journal']	yes	
keyword	EAD:controlaccess/EAD:name[@role = 'keyword']	yes	
language	EAD:did/EAD:langmaterial/EAD:language	yes	3.4.3
languageNotes	EAD:did/EAD:langmaterial/@label	yes	
lastname	EAD:bioghist/EAD:note[@type = 'lastName']/EAD:p	yes	
location	EAD:controlaccess/EAD:name[@role = 'location']	yes	
locationOfOriginals	EAD:originalsloc/EAD:p	yes	3.5.1
material	EAD:did/EAD:physdesc/EAD:physfacet	yes	3.1.5
method	EAD:controlaccess/EAD:name[@role = 'method']	yes	
modeOfAcquisition	EAD:custodhist/EAD:acqinfo/EAD:p	yes	
nationality	EAD:bioghist/EAD:note[@type = 'nationality']/EAD:p	yes	
objectType	EAD:controlaccess/EAD:genreform	yes	
occupation	EAD:controlaccess/EAD:occupation[@role = 'general']	yes	
origination	EAD:did/EAD:origination	yes	3.2.1
originationAgency	EAD:did/EAD:origination[@label = 'agency']	yes	
originationDepartment	EAD:did/EAD:origination[@label = 'department']	yes	
otherLevelName	[@level = 'otherlevel']/@otherlevel	no	3.1.4
PID	EAD:dao[@xlink:role = 'simple']/@xlink:href	yes	
placeOfPublication	EAD:controlaccess/EAD:name[@role = 'placeOfPublication']	yes	
processInfoArchivist	EAD:processinfo[@type = 'archivist']/EAD:p	yes	
processInfoDate	EAD:processinfo[@type = 'date']/EAD:p	yes	
project	EAD:odd[@type = 'project']/EAD:p	yes	
projectAbbreviation	EAD:odd[@type = 'projectAbbreviation']/EAD:p	yes	
projectName	EAD:odd[@type = 'projectName']/EAD:p	yes	
projectTitle	EAD:odd[@type = 'projectTitle']/EAD:p	yes	
publisher	EAD:controlaccess/EAD:name[@role = 'publisher']	yes	
refCode	EAD:did/EAD:unitid[@type = 'refCode']	yes	3.1.1
refCodeAdmin	EAD:did/EAD:unitid[@type = 'refCodeAdmin']	yes	
refCodelsVisible	EAD:did/EAD:unitid[@type = 'isVisible']	yes	
refCodeOld	EAD:did/EAD:unitid[@type = 'refCodeOld']	yes	
refCodeSeparator	EAD:did/EAD:unitid[@type = 'separator']	yes	
relatedMaterial	EAD:relatedmaterial/EAD:p	yes	3.5.3

AccessorNameID	Xpath relative to a <c> or <archdesc> element	is dynamic	ISAD(G)
<b>relationPeriod</b>	EAD:did/EAD:unitdate[@label = 'relationPeriod']	yes	
<b>reproductions</b>	EAD:altformavail/EAD:p	yes	3.5.2
<b>responsible</b>	EAD:controlaccess/EAD:persname[@role = 'responsible']	yes	
<b>retentionPeriod</b>	EAD:accessrestrict[@type = 'retentionPeriod']/EAD:p	yes	
<b>retentionPeriodBaseYear</b>	EAD:accessrestrict[@type = 'baseYear']/EAD:p	yes	
<b>retentionPolicy</b>	EAD:accessrestrict[@type = 'retentionPolicy']/EAD:p	yes	
<b>revisions</b>	EAD:processinfo[@type = 'revisions']/EAD:p	yes	
<b>scopeContent</b>	EAD:scopecontent/EAD:p	yes	3.3.1
<b>sex</b>	EAD:bioghist/EAD:note[@type = 'sex']/EAD:p	yes	
<b>size</b>	EAD:did/EAD:physdesc[@label = 'size']	yes	
<b>sourceType</b>	EAD:custodhist/EAD:note/EAD:p	yes	
<b>staff</b>	EAD:controlaccess/EAD:persname[@role = 'staff']	yes	
<b>status</b>	EAD:controlaccess/EAD:name[@role = 'status']	yes	
<b>subject</b>	EAD:controlaccess/EAD:subject[not(@role)]	yes	
<b>subjectGeneral</b>	EAD:controlaccess/EAD:subject[@role = 'general']	yes	
<b>submitStatus</b>	EAD:controlaccess/EAD:name[@role = 'submitStatus']	no	
<b>to</b>	EAD:did/EAD:unitdate[@label = 'to']	yes	3.1.3
<b>toYear</b>	EAD:did/EAD:unitdate[@label = 'toYear']	yes	3.1.3
<b>uniformTitle</b>	EAD:controlaccess/EAD:title[@type = 'uniform']	yes	
<b>unitTitle</b>	EAD:did/EAD:unittitle[@label = 'main']	no	3.1.2
<b>unitTitleAdditional</b>	EAD:did/EAD:unittitle[@label = 'additional']	yes	
<b>unitTitleOriginal</b>	EAD:did/EAD:unittitle[@label = 'original']	yes	3.1.2
<b>unitTitleVarying</b>	EAD:did/EAD:unittitle[@label = 'varying']	yes	
<b>university</b>	EAD:controlaccess/EAD:name[@role = 'university']	yes	
<b>usage</b>	EAD:odd[@type = 'usage']/EAD:p	yes	
<b>usagePermission</b>	EAD:accessrestrict[@type = 'usagePermission']/EAD:p	yes	
<b>usagePermissionExpiringDate</b>	EAD:accessrestrict[@type = 'usagePermissionExpiringDate']/EAD:p	yes	
<b>year</b>	EAD:did/EAD:unitdate[@label = 'year']	yes	

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