FIX Me! **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 configurated 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. Exeeding 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 OOO application ("OpenOffice.org" or
"OpenOffice.org 3") (if undefined or empty, use the internal OOO
application;
#   if undefined or empty AND the internal OOO application doesn't exist,
assume that no OOO 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
displayLanguage	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.
dataDir	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
SIPDir	C:/Data/SIPs	The default folder for newly generated SIP or when opening or saving an SIP.	The 'home'-folder of the current user
backupDir	C:/Data/Backups	The folder in which backups are saved.	The folder specified in <SIPDir>.
templateDir	C:/Data/Templates	the folder in which templates are saved.	The folder specified in <SIPDir>.
exportsDir	C:/Data/Templates/exports	The folder in which templates for exports are saved.	The folder specified in <SIPDir>.
reportsDir	C:/Data/Templates/reports	The folder in which templates for reports are saved.	The folder specified in <SIPDir>.
tempDir	C:/Data/Temp	The folder for temporary files.	The temporary folder of the system is selected.
ingestSubmitDir	C:/Data/Submit	The folder to which SIP are submitted.	Submission is not possible.

Field	Value (example)	Explanation	If empty or unidentified
newSIPDeleteSourceByDefault	true	If true, the original files are deleted after the creation of the SIP.	Like false
AIPCreator.className	ch.docuteam.aip.AIPCreator	The name of the class, which the AIP generates.	AIP-creation is not possible.
newSIPDefaultsToZipped	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
migrateFileKeepOrginial	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
versioning	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
versioning.keepBackupsCount	20	Maximum amount of created backups. If this amount is exceeded, the oldest backups are deleted.	10
openFullScreen	false	If true, the SIP-editing window fills the entire computer screen. If false, the values <screenSize.x> and <screenSize.y> are apllied instead.	Like false
screenSize.x screenSize.y	1200 1000	The window size of the SIP-View in pixels. These values are ignored, when <openFullScreen> = true	1000×700 Pixel

Field	Value (example)	Explanation	If empty or unidentified
screenPos.x **screenPos.y**	500 500	The position of the window when opening the SIP-View. These values are ignored, when <openFullScreen> = true	centred
useSystemLookAndFeel	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
defaultChecksumAlgorithm	MD5	Cryptographic hash function to calculate the checksum. Supported values: CRC-32, MD5, SHA-1, SHA-256, SHA-512.	
droid.signatureFile **droid.containerFile** **droid.extensionUsage**		Should DROID use other configuration files than the standard ones, the values need to be indicated here.	
SA.getSAsFromServerOnStartup	true	If true, packer downloads the current SA List (submission agreements) from the web adress indicated by the <SA.BASE.URL> when opened.	Like false
SA.BASE.URL	`http://docuteam/sa`	The web adress from which the current SAs can be downloaded manually or automatically when opening packer (if configured)	Nothing is downloaded.
OOConverter.path	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
OOConverter.initializationRetries	30	The number of attempts during the initialisation of LibreOffice. Necessary for the preview of certain formats.	10
filePreviewer.cacheSizeLimit	20	Cache size for the preview of files. The larger the cache size, the more previews packer saves to memory.	100
openSystemOutViewOnOutput	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
SIPView.TreeExpandAll	true	If true, all elements of the SIP structure are displayed.	Like true
SIPView.DefaultTab	1	For a value between 1 and 3, the corresponding tab is opened by default in the SIP-View.	1
actionsNotVisible	deleteItemDontAskAction,deleteItemAction	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
isDevMode	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"
```

```xml
    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"
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="Archiv"
iconFileName="resources/images/Level1.png"
allowedSublevelNameRefs="Abteilung 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"                    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"/>
```

```xml
            <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="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"                    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="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"
```

```xml
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"/>
```

```xml
        <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="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: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
accessorNameId	accessNr	Explicit name of the metadata field. The name must correspond to one of the elements in the list below, 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
defaultExpression	'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 intialise the content of this field upon creation (?). The current node is referenced by: '(ch.docuteam.darc.mets.structmap.NodeAbstract)object1'	optional
validatorClassName	ch.docuteam.darc.mdconfig.MetadataElementValidatorDate	A Java class, which validates the content of this meatadata element upon its allocation. If the entered value is not valid, an error message is displayed and the field reverts to the last value.	optional
postActionClassName	ch.docuteam.darc.mdconfig.MetadataElementSetterPostActionSysOut	A Java class, which executes any given action, **after** a value has been entered into this field. This action is **not** executed if the validation of the entered value fails.	optional
allowedValues	*;Deutsch;English;Français;Italiano	A list of values displayed as a drop-down menu in pakcer. If the first element of this list is an asterisk „*", additional terms can be added. The list of values can also be predefined in a file according to the SKOS scheme („Simple Knowledge Organization System"). In this case, the relative path to the RDF-File needs to be delivered.	optional

An example:

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

With the element <LEVELS:AllowedValuesSeparator> the separator of the allowedValues-list can be set. The separator can contain several characters, for example:

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

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

Levels of description

A level of description is defined by the following 3 attributes:

Name	Content (example)	Explanation	mandatory
nameID	archive	The explicit name of this level of description	*
iconFileName	resources/images/LevelSerie.png	The path to the image file, displayed as the icon for this level of description. If this file does not exist, a yellow warning icon is displayed.	*
allowedSublevelNameRefs	fonds undefined	The list of the allowed sulebevels to the given level of description (archive). The elements of this list must be specified in the `levels.xml` file (as nameID) and separated by a **space**. The first element of this list serves as the standard element for further sub-elements.	

An example:

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

The allocation of metadata elements to levels of description is defined by a list of elements <LEVELS:LevelMetadataElement>. These elements contain following 7 attributes:

Name	Content (example)	Explanation	Mandatory
accessorNameRef	language	The accessorNameID of the metadata element; references an accessorNameID from the list <LEVELS:MetadataElements> (see above)	*

Name	Content (example)	Explanation	Mandatory
isMandatory	true	If true, this metadata element is mandatory. Mandatory elements are always displayed in the metadata list. If a mandatory element is empty, the dossier is marked with an exclamation point.	*
isRepeatable	false	If true, there can be multiple copies/instances of this metadata element in the meadata list, which can be added or removed within packer as needed.	*
isAlwaysDisplayed	true	If true, this metadata element is always displayed in the metadata list.	
isReadOnly	false	If true, this metadata element **can't** be modified manually. A „defaultExpression" allowes to initialise this metadata element upon its creation.	
keepInTemplate	false	If true, this metadata element is preserved (and **not deleted**) when creating a template/an SIP model.	
displayRows	5	Displays the number of rows for this metadata element in the metadata list.	

An example:

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

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

All descriptive metadata are stored in the `mets.xml` file in compliance with the EAD-schema. The used EAD elements are listed in the table below:

[Download MetadataToXPathMapping_2.18.13.xlsx](#)

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

AccessorNameID	Xpath relative to a <c> or <archdesc> element	is dynamic	ISAD(G)
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:materialspec[@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:userestrict/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
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	

AccessorNameID	Xpath relative to a <c> or <archdesc> element	is dynamic	ISAD(G)
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	
refCodeIsVisible	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
relationPeriod	EAD:did/EAD:unitdate[@label = 'relationPeriod']	yes	
reproductions	EAD:altformavail/EAD:p	yes	3.5.2
responsible	EAD:controlaccess/EAD:persname[@role = 'responsible']	yes	
retentionPeriod	EAD:accessrestrict[@type = 'retentionPeriod']/EAD:p	yes	
retentionPeriodBaseYear	EAD:accessrestrict[@type = 'baseYear']/EAD:p	yes	
retentionPolicy	EAD:accessrestrict[@type = 'retentionPolicy']/EAD:p	yes	
revisions	EAD:processinfo[@type = 'revisions']/EAD:p	yes	
scopeContent	EAD:scopecontent/EAD:p	yes	3.3.1
sex	EAD:bioghist/EAD:note[@type = 'sex']/EAD:p	yes	

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

config/fileNameNormalizer.properties

Example

Following, the configuration parameters for the standardization function of selected file names.

```
prefix=monPrefix
suffix=monSuffix
maxLength=40
fileNameRegex=[a-zA-Z0-9.\\-\\/+=@_]*$
```

Explanations

Variable	Value (example)	Explanation	If empty or unidentified
prefix	monPrefix	This value ist added at the beginning of the file name at the moment of the standardisation/when commencing the standardisation process.	If there is no value for this variable, no prefix is added.
suffix	monSuffix	This value ist added at the end of the file at the moment of the standardisation/when commencing the standardisation process.	If there is no value for this variable, no suffix is added.

Variable	Value (example)	Explanation	If empty or unidentified
maxLength	40	The character length of the file name is cut to the corresponding number of characters, this includes configured prefixes and suffixes.	If there is no value for this variable, no suffix is added.
fileNameRegex	`[a-zA-Z0-9.\\-\\/+=@_]*$`	Validation scheme (regex) used to determine if all characters of the file name are authorized.	The validation scheme is necessary for the proper functioning of packer.

config/charConversionMap.properties

Structured like a JAVA-Properties file, and in the form of a `key-value store`, this conversion file conveys the identified source character within the file name as well as the equivalent character with which it will be replaced.

Example

The source character (for example ç) can be indicated in the configuration file either as ç or in the form of its UTF-8 code in the JAVA context \u00E7. For more information about this example, consult ç dans graphemica.

Extract of the .properties file

```
ü=ue
ä=ae
ö=oe
Æ=AE
ç=c
\u0152=OE
# whitespace as Unicode: \u0020
\u0020=_
# ( as Unicode, must be escaped due to java.util.regex.Pattern
(https://docs.oracle.com/javase/8/docs/api/java/util/regex/Pattern.html)
\\u0028=_
# ) as Unicode, must be escaped due to java.util.regex.Pattern
\\u0029=_
# ' as Unicode
\u0027=_
```

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