

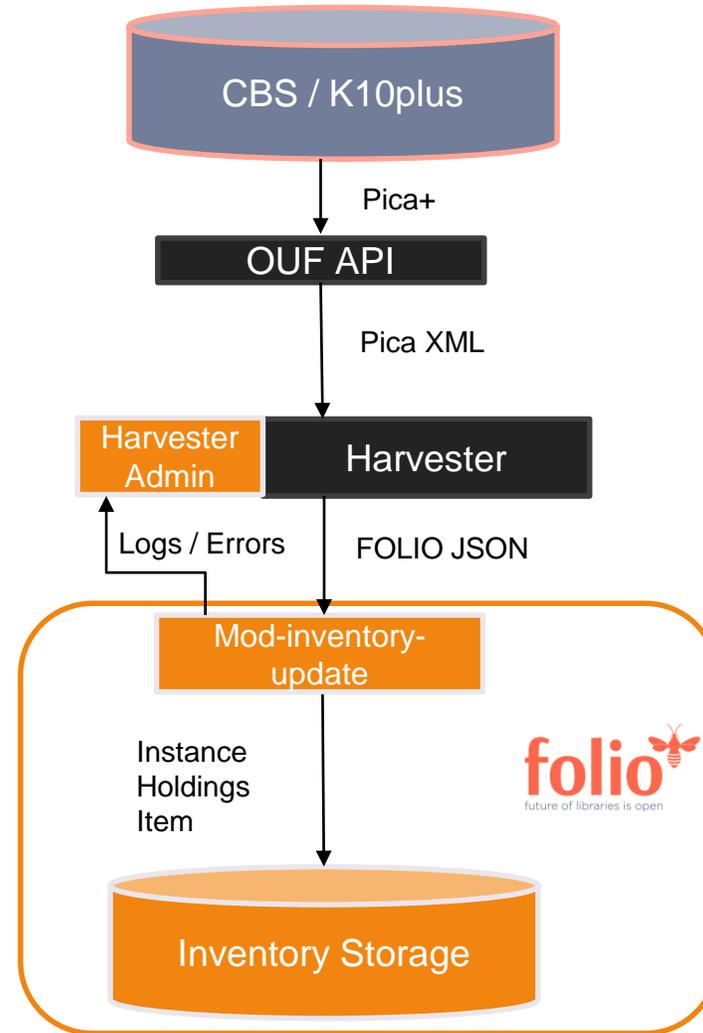
# CBS2FOLIO - Monitoring mit der Harvester-Admin-App

Austausch GBV - Hebis

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# Komponenten von CBS2FOLIO





# Harvester Admin

- App entwickelt von Index Data im Auftrag der VZG
- Ursprüngliches Ziel: Speicherung von Job-Runs und Failed Records direkt in FOLIO (PostgreSQL) inkl. Zugang für die Systemverwalter:innen auf diese Daten
- Bietet mittlerweile auch Zugriff auf die Konfiguration des Prozesses mit entsprechenden Berechtigungen (ohne OUF!)
- Nicht Teil von `folio-complete`, aber einfache Installation per [Docker-Container](#) möglich



# Harvester Admin > Harvest-Jobs

- Pro Mandant ein Harvest-Job für das Online-Update
- Letzter Harvest abgeschlossen: Datum des letzten Laufs
- Nachricht: Wenn laufender Job abgeschlossen, wird hier das Ergebnis angezeigt

**Harvester admin** | Agreements | Bulk edit | Check in | Check out | Circulation log | Courses | Dashboard | Data export | Data import | eHoldings | Apps | Zentrale

Harvestables | Jobs | Failed records

Search & filter

Name: [input] Search [button] Reset all [button]

Enabled?: [dropdown] Job class: [dropdown] Status: [dropdown]

**Harvestables**  
1 record found

Name	Status	Records	Last harvest finished	Enabled?	Job class	ID	Message (processed/loaded/deleted/failed)
bremen_test	OK	2	2:58:50 PM, August 16, 2024	No	XML bulk	8063472 3119884 2	Instances:2/2/0(0)/0 Holdings:4/4/0/0 Items:4/4/0/0

End of list



# Harvester Admin > Harvest-Jobs

- Ein Klick auf eine Zeile öffnet den Harvest-Job (oder *Harvestable*) in der Detailansicht

×
bremen\_test
Actions ▾

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**^ Status information**

<b>Job class</b> XML bulk	<b>Current status:</b> OK	<b>Last updated</b> 2024-08-16T14:58:21+02:00
<b>Initial harvest</b> 2024-07-03T11:42:15+02:00	<b>Last harvest started</b> 2024-08-16T14:58:22.470+02:00	<b>Last harvest completed</b> 2024-08-16T14:58:50.181+02:00

**Message from last harvest:**  
Instances\_processed/loaded/deletions(signals)/failed:\_\_\_2\_\_\_2\_\_\_0(0)\_\_\_0\_\_\_0\_Holdings\_records\_processed/loaded/deleted/failed:\_\_\_4\_\_\_4\_\_\_0\_\_\_0\_\_\_0\_Items\_processed/loaded/deleted/failed:\_\_\_4\_\_\_4\_\_\_0\_\_\_0\_\_\_0\_Source\_records\_processed/loaded/deleted/failed:\_\_\_0\_\_\_0\_\_\_0\_\_\_0\_\_\_0

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**^ General information**

<b>Id</b> 806347231198842	<b>Name</b> bremen_test	<b>Service provider</b> 193.174.240.15:1098 <small>IP und Port des angeschlossenen CBS</small>	<b>Managed by</b> -
<b>Used by</b> 21 <small>UI oder Bibliotheken, für die das Harvestable eingerichtet wurde</small>			
<b>Open access resource?</b> false			
<b>Content description</b> harvest job for bremen_test			
<b>Technical notes</b> -	<b>Contact notes</b> -		
<b>Harvest job enabled?</b> false	<b>Harvest schedule</b> 58 14 16 8 5		
<b>Transformation pipeline</b> bremen_test <small>Verwendete Pipeline</small>			
<b>Use lax parsing (if possible)</b> false			
<b>Encoding override (ISO-8859-1, UTF-8, ...)</b> -			
<b>Storage</b> Batch Upsert bremen_test <small>Verwendeter Storage</small>			
<b>Storage batch limit</b> 20 <small>Vie viele Datensätze sollen pro Batch an HRI gesendet werden?</small>			
<b>Cache on disk?</b> false	<b>Store original record content?</b> false		
<b>Limit record number to</b> -	<b>Connection/read timeout (seconds)</b> 60		

×
bremen\_test
Actions ▾

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**Log level**  
INFO Angabe des Log-Level: TRACE, DEBUG, INFO, WARN, ERROR

**Saving failed records**  
CLEAN\_DIRECTORY

**Maximum number of failed records saved next run**  
100 Vie viele fehlerhafte Datensätze sollen pro Job-Lauf und insgesamt gespeichert werden?

**Maximum number of failed records saved total**  
1000

**Notification e-mail addresses**  
-

**Send notification if severity at least**  
ERROR

**List of constant fields**  
-

**Extra configuration: (JSON)**  
-

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**^ XML bulk specific information**

**URLs**  
http://ouf-bremen-test.online-update.svc.cluster.local/picaxml/ Vie liegen die PICAXML-Daten?

**Continue on errors?**  
true

**Overwrite data with each run (non-incremental)?**  
false

**Ask server for new files only (incremental)?**  
true Nur PICAXML-Daten verarbeiten, die seit dem letzten Job-Lauf neu erstellt wurden

**Initial from date (if incremental)**  
-

**Split XML at depth (zero/empty disables split)**  
1

**Split files at number of records (zero/empty disables split)**  
100

**Mime-type override (e.g. application/marc; charset=MARC-8)**  
-

**MARC XML transformation format (application/marc or application/tmarc)**  
-

**Recurse into subfolders?**  
false

**Include files (regular expression)**  
xml

**Exclude files (regular expression)**  
-

**Use passive mode for FTP transfers?**  
false

**CSV parser configuration**  
-





# Harvester Admin > Jobs

- Ein Eintrag pro Lauf des Harvestables (=Job), sortiert nach Startdatum absteigend
- Status: Ergebnis des Laufs; filterbar über den Filter „Status“
- Datensätze: Anzahl der geladenen (vorliegenden) Instances
- Nachricht: Wenn Lauf vorbei, wird hier das Ergebnis angezeigt, z. B. die Anzahl der verarbeiteten Datensätze

Harvester admin

Agreements Bulk edit Check in Check out Circulation log Courses Dashboard Data export Data import eHoldings Apps Zentrale

Harvestables Jobs Failed records

Jobs 38,894 records found

Search & filter	Harvestable name	Status	Records	Seconds	Started	Finished	Job class	Message (processed/loaded/deleted/failed)
Harvestable name Search Reset all	bremen_test	OK	2 (2)	28	12:58:22 PM, August 16, 2024	12:58:50 PM, August 16, 2024	XML bulk	Instances:2/2/0(0)/0 Holdings:4/4/0/0 Items:4/4/0/0
Status	bremen_test	OK	1 (1)	11	12:53:16 PM, August 16, 2024	12:53:27 PM, August 16, 2024	XML bulk	Instances:1/1/0(0)/0 Holdings:2/2/0/0 Items:2/2/0/0
Job class	bremen_test	OK	2 (2)	8	12:48:27 PM, August 16, 2024	12:48:35 PM, August 16, 2024	XML bulk	Instances:2/2/0(0)/0 Holdings:5/5/0/0 Items:5/5/0/0
Records	bremen_test	OK	2 (2)	12	12:48:17 PM, August 16, 2024	12:48:29 PM, August 16, 2024	XML bulk	Instances:2/2/0(0)/0 Holdings:5/5/0/0 Items:5/5/0/0
Date started	bremen_test	OK	1 (1)	6	12:43:21 PM, August 16, 2024	12:43:27 PM, August 16, 2024	XML bulk	Instances:1/1/0(0)/0 Holdings:3/0/0/3 Items:3/0/0/3
Date finished	bremen_test	OK	1 (1)	9	12:43:11 PM, August 16, 2024	12:43:20 PM, August 16, 2024	XML bulk	Instances:1/1/0(0)/0 Holdings:3/3/0/0 Items:3/3/0/0
	bremen_test	OK	1 (1)	9	12:33:16 PM, August 16, 2024	12:33:25 PM, August 16, 2024	XML bulk	Instances:1/1/0(0)/0 Holdings:1/1/0/0 Items:1/1/0/0
	bremen_test	OK	1 (1)	10	12:28:15 PM, August 16, 2024	12:28:25 PM, August 16, 2024	XML bulk	Instances:1/1/0(0)/0 Holdings:1/1/0/0 Items:1/1/0/0
	bremen_test	OK	1 (1)	5	12:24:00 PM, August 16, 2024	12:24:05 PM, August 16, 2024	XML bulk	Instances:1/1/0(0)/0 Holdings:1/1/0/0 Items:1/1/0/0



# Harvester Admin > Jobs

- Ein Klick auf eine Zeile öffnet den Job in der Detailansicht
- Es sind weitere Informationen zu den verarbeiteten Datensätzen ersichtlich
- Will man ganz genau wissen, was passiert ist, öffnet man das Klartextprotokoll

×
■ bremen\_test (12:58:22 PM, August 16, 2024) — OK

Summary	Instance	Holdings	Item
Processed	2	4	4
Loaded	2	4	4
Deleted	0(0)	0	0
Failed	0	0	0

^ Plain text log for last job (20240816125821.xml)

[Refresh](#)  
[Download](#)

```

2024-08-16T14:58:22.562 INFO [BulkRecordHarvestJob(806347231198842 bremen_test)] Type of the record storage com.indexdata.masterkey.locali
2024-08-16T14:58:38.285 INFO [BulkRecordHarvestJob(806347231198842 bremen_test)] Begin processing of 20240816125821.xml
2024-08-16T14:58:38.285 INFO [BulkRecordHarvestJob(806347231198842 bremen_test)] File: /picaxml/20240816125821.xml. Length: 7338
2024-08-16T14:58:41.744 INFO [BulkRecordHarvestJob(806347231198842 bremen_test)] Finished retrieval from ouf-bremen-test.online-update.svc
2024-08-16T14:58:50.044 INFO [BulkRecordHarvestJob(806347231198842 bremen_test)] Instances_processed/loaded/deletions(signals)/failed: __2__
2024-08-16T14:58:50.044 INFO [BulkRecordHarvestJob(806347231198842 bremen_test)] Holdings_records_processed/loaded/deleted/failed: __4__4__
2024-08-16T14:58:50.044 INFO [BulkRecordHarvestJob(806347231198842 bremen_test)] Items_processed/loaded/deleted/failed: __4__4__0__0__
2024-08-16T14:58:50.044 INFO [BulkRecordHarvestJob(806347231198842 bremen_test)] Source_records_processed/loaded/deleted/failed: __0__0__0__
2024-08-16T14:58:50.044 INFO [BulkRecordHarvestJob(806347231198842 bremen_test)] Metrics: Creating DOM for incoming record
2024-08-16T14:58:50.045 INFO [BulkRecordHarvestJob(806347231198842 bremen_test)] - 08-16 14:00: 2 records processed in 0 secs.~0 mins. Avg
2024-08-16T14:58:50.045 INFO [BulkRecordHarvestJob(806347231198842 bremen_test)] Metrics: Transforming incoming record before storing
2024-08-16T14:58:50.045 INFO [BulkRecordHarvestJob(806347231198842 bremen_test)] - 08-16 14:00: 2 records processed in 0 secs.~0 mins. Avg
2024-08-16T14:58:50.045 INFO [BulkRecordHarvestJob(806347231198842 bremen_test)] Metrics: Storing Inventory records
2024-08-16T14:58:50.045 INFO [BulkRecordHarvestJob(806347231198842 bremen_test)] - 08-16 14:00: 2 records processed in 8 secs.~0 mins. Avg
2024-08-16T14:58:50.045 INFO [BulkRecordHarvestJob(806347231198842 bremen_test)] -- Up to 5000 ms for 2 records. (100%)
2024-08-16T14:58:50.045 INFO [BulkRecordHarvestJob(806347231198842 bremen_test)] Committed 2 adds, 0 deletes. 0 in total (pending warming c
2024-08-16T14:58:50.045 INFO [BulkRecordHarvestJob(806347231198842 bremen_test)] Shutdown request received by FOLIO RecordStorage, with st
2024-08-16T14:58:22.562 INFO [BulkRecordHarvestJob(806347231198842 bremen_test)] Attaching job to Inventory Storage
2024-08-16T14:58:22.562 INFO [BulkRecordHarvestJob(806347231198842 bremen_test)] Filtering records by date, excluding records with an updat
2024-08-16T14:58:22.562 INFO [BulkRecordHarvestJob(806347231198842 bremen_test)] Initialized failed-records controller (mode CLEAN_DIRECTO
2024-08-16T14:58:22.562 INFO [BulkRecordHarvestJob(806347231198842 bremen_test)] Starting job [806347231198842]
2024-08-16T14:58:22.562 INFO [BulkRecordHarvestJob(806347231198842 bremen_test)] Main storage URL [http://okapi.okapi.svc.cluster.local:91
2024-08-16T14:58:36.231 INFO [BulkRecordHarvestJob(806347231198842 bremen_test)] Authenticated to FOLIO Inventory, tenant [bremen_test]
2024-08-16T14:58:37.870 INFO [BulkRecordHarvestJob(806347231198842 bremen_test)] Initialized a map of 36 FOLIO locations to institutions.
2024-08-16T14:58:37.870 INFO [BulkRecordHarvestJob(806347231198842 bremen_test)] Preparing retrieval from ouf-bremen-test.online-update.svc
2024-08-16T14:58:38.285 INFO [BulkRecordHarvestJob(806347231198842 bremen_test)] XmlMarcClient downloading /picaxml/20240816125821.xml

```

^ 0 failed records

The list contains no items



# Harvester Admin > Fehlgeschlagene Datensätze

- Ein Eintrag pro Instanzdatensatz, vorgefiltert nach Datum >= gestern
- Datensatznummer und Instanz-HRID: PPN des fehlgeschlagenen Datensatzes
- Instanztitel: Titel der Instanz
- Fehler: Enthält die Fehlermeldung, hilfreich zur Behebung des Fehlers im CBS

**Harvester admin** | Agreements | Bulk edit | Check in | Check out | Circulation log | Courses | Dashboard | Data export | Data import | eHoldings | Apps | Zentrale

Harvestables | Jobs | **Failed records** (1 record found) | Actions

Record number	Instance title	Errors	Time stamp
129082430	Le mouvement social / publ. par l'Association Le Mouvement Social. Avec le concours de l'Institut des Sciences Humaines et Sociales du Centre National de la Recherche Scientifique et avec la collaboration du Centre d'Histoire Sociale du XXe Siècle de l'Université Paris I	ERROR: Cannot update record ce031f66-6124-41e1-86e3-1c0709499843 because it has been changed (optimistic locking): Stored _version is 11, _version of request is 10 (23F09)	2024-08-

End of list

**Search & filter**

Record number: [dropdown]  
Search  
Reset all

**Time stamp**

From: 08/15/2024  
To: MM/DD/YYYY



# Harvester Admin > Fehlgeschlagene Datensätze

- Über den Datumsfilter kann gefiltert werden, welche Einträge angezeigt werden sollen
- Die Trefferliste kann über die Spalte Zeitstempel ab- und aufsteigend sortiert werden

**Harvester admin** | Agreements | Bulk edit | Check in | Check out | Circulation log | Courses | Dashboard | Data export | Data import | eHoldings | Apps | Zentrale

Harvestables | Jobs | **Failed records** (501 records found) | Actions

**Search & filter**

Record number:    
 Search   
 **Reset all**

**Time stamp**

**From** 07/01/2024   
 **To** MM/DD/YYYY

Record number	Instance title	Errors
129082430	Le mouvement social / publ. par l'Association Le Mouvement Social. Avec le concours de l'Institut des Sciences Humaines et Sociales du Centre National de la Recherche Scientifique et avec la collaboration du Centre d'Histoire Sociale du XXe Siècle de l'Université Paris I	ERROR: Cannot update record ce031f66-6124-41e1-86e3-1c0709499843 because it has been changed (optimistic locking): Stored _version is 11, _version of request is 10 (23F09)
306591030	International labour review / International Labour Office	ERROR: Cannot update record cbae222b-3896-4fbf-bf2f-56ceaa9fecbe because it has been changed (optimistic locking): Stored _version is 10, _version of request is 9 (23F09)
167570099	Jüdische Rundschau : allgemeine jüdische Zeitung	Cannot set holdings_record.effectiveLocationid = 5a70506f-8c0d-47ed-ad9a-726196a7f739 because it does not exist in location.id.
129345091	Zentralblatt der Bauverwaltung vereinigt mit Zeitschrift für Bauwesen : mit Nachrichten d. Reichs- u. Staatsbehörden / hrsg. im Preußischen Finanzministerium	Cannot set holdings_record.effectiveLocationid = eb2fb342-0326-43fd-902c-0b7d43529e40 because it does not exist in location.id.
129474797	Die Sammlung : literarische Monatsschrift / unter dem Patronat von André Gide ; Aldous Huxley [u.a.]. Hrsg. von Klaus Mann	Cannot set holdings_record.effectiveLocationid = 97ab7537-c997-4131-82a9-c4cd971b16f3 because it does not exist in location.id.
167653830	Blätter des Jüdischen Frauenbundes für Frauenarbeit und Frauenbewegung / Jüdischer Frauenbund von Deutschland	Cannot set holdings_record.effectiveLocationid = 5a70506f-8c0d-47ed-ad9a-726196a7f739 because it does not exist in location.id.



# Harvester Admin > Einstellungen

- Transformation steps: Ablage des XSLT
  - Definierte Anzahl an Schritten, denen XSL-Code zugeordnet wird
  - Die Bibliothek muss i. d. R. nur das Locations-Mapping selbst bearbeiten
  - Alle anderen Einstellungen werden im GBV von der VZG gepflegt

The screenshot displays the Harvester Admin interface. The top navigation bar includes 'Settings' and various system functions like 'Agreements', 'Bulk edit', 'Check in', 'Check out', 'Circulation log', 'Courses', 'Dashboard', 'Data export', 'Data import', 'eHoldings', 'ERM comparisons', 'Apps', and 'Zentrale'. The main content area is divided into three panels:

- Settings:** A sidebar menu with options such as 'Acquisition units', 'Agreements', 'Calendar', 'Circulation', 'Courses', 'Data export', 'Data import', 'Developer', 'eHoldings', 'eUsage', 'Finance', 'GOBI integration', 'Harvester admin' (highlighted), 'Inventory', 'Invoices', 'Licenses', 'Local KB admin', 'My profile', 'Notes', 'OAI-PMH', 'Orders', and 'Organizations'.
- Harvester admin:** A sub-menu with 'Storage engines', 'Transformation pipelines', and 'Transformation steps' (highlighted).
- Transformation steps:** A list of steps including 'bremen\_test codes2uuid (XML--XML)', 'bremen\_test holdings-items (XML--XML)', 'bremen\_test Instance XML to JSON (XML--JSON)', 'bremen\_test locations2uuid-ihn21 (XML--XML)' (highlighted), 'bremen\_test pica2instance-new (XML--XML)', and 'bremen\_test relationships (XML--XML)'. A '+ New' button is visible.
- Configuration details for 'bremen\_test locations2uuid-ihn21 (XML--XML)':**
  - Name:** bremen\_test locations2uuid-ihn21
  - Description:** -
  - Enabled (This is unused):**  (indicated by a red X)
  - Type:** XmlTransformStep
  - Input format:** XML
  - Output format:** XML
  - Script:**

```
<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet version="1.0"
xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
<xsl:output indent="yes" method="xml" version="1.0" encoding="UTF-8"/>
<xsl:key name="original" match="record/original/item" use="@epn"/>
<xsl:template match="@*" | node()*>
  <xsl:copy>
    <xsl:apply-templates select="@*" | node()*>
  </xsl:copy>
</xsl:template>
<!-- Map locations -->
<xsl:template match="permanentLocationId">
  <xsl:variable name="electronicholding" select="substring(//datafield[@tag='002@']/
subfield[@code='0'],1,1)/">
  <xsl:variable name="lower" select="translate(.,'ABCDEFGHJKLMNPQRSTUVWXYZ-./',
'abcdefghijklmnopqrstuvwxy2!')"/>
  <xsl:variable name="hridepn" select="preceding-sibling::hrid"/>
  <xsl:variable name="i" select="key('original', $hridepn)"/>
  <xsl:variable name="xselectioncode" select="substring($i/datafield[@tag='208@']/
subfield[@code='b'],1,3)/">
  <permanentLocationId>
    <xsl:choose>
      <!-- TBs -->
```



# Harvester Admin > Einstellungen

- Transformation pipelines: Die transformation steps in Reihe schalten
  - Die zuvor angelegten Schritte werden in einer Pipeline zusammengeschaltet, sodass die PICA-XML-Dateien sie nacheinander durchlaufen
  - Am Ende wird das Inventory Record Set von XML nach JSON konvertiert

The screenshot shows the Harvester Admin interface. The top navigation bar includes 'Settings' and various system functions like 'Agreements', 'Bulk edit', 'Check in', 'Check out', 'Circulation log', 'Courses', 'Dashboard', 'Data export', 'Data import', 'eHoldings', 'ERM comparisons', 'Apps', and 'Zentrale'. The main content area is divided into three panes:

- Settings:** A sidebar menu with options like 'Acquisition units', 'Agreements', 'Calendar', 'Circulation', 'Courses', 'Data export', 'Data import', 'Developer', 'eHoldings', 'eUsage', 'Finance', 'GOBI integration', 'Harvester admin' (selected), 'Inventory', 'Invoices', 'Licenses', and 'Local KB admin'.
- Harvester admin:** A sub-menu with 'Storage engines', 'Transformation pipelines' (selected), and 'Transformation steps'.
- Transformation pipelines:** A list showing a single pipeline named 'bremen\_test'.

The right pane shows the configuration for the 'bremen\_test' pipeline:

- Name:** bremen\_test
- Description:** created via MHA API
- Enabled:**
- Parallel:**
- Transformation steps:**

#	Name	In	Out
1	bremen_test pica2instance-new	XML	XML
2	bremen_test relationships	XML	XML
3	bremen_test holdings-items	XML	XML
4	bremen_test locations2uuid-ii21	XML	XML
5	bremen_test codes2uuid	XML	XML
6	bremen_test Instance XML to JSON	XML	JSON



# Harvester Admin > Einstellungen

- Storage engines: Enthält Konfigurationen für den FOLIO-Zugang
  - Angaben zum Tenant, Username, Password
  - Pfade zu Updatemethoden (Single, Batch, Speicherung der Logs)
  - folioAuthPath: Spätestens ab Ramsons umstellen auf [authn/login-with-expiry](#)

The screenshot shows the Harvester Admin interface. The top navigation bar includes 'Settings' and various system functions like 'Agreements', 'Bulk edit', 'Check in', 'Check out', 'Circulation log', 'Courses', 'Dashboard', 'Data export', 'Data import', 'eHoldings', 'ERM comparisons', 'Apps', and 'Zentrale'. The main content area is divided into three panes:

- Settings:** A sidebar menu with categories like Acquisition units, Agreements, Calendar, Circulation, Courses, Data export, Data import, Developer, eHoldings, eUsage, Finance, GOBI integration, Harvester admin (selected), Inventory, Invoices, Licenses, and Local KB admin.
- Harvester admin:** A sub-menu with 'Storage engines', 'Transformation pipelines', and 'Transformation steps'. 'Storage engines' is selected.
- Storage engines:** A list of storage engines with a '+ New' button. 'Batch Upsert bremen\_test' is selected.

The details for 'Batch Upsert bremen\_test' are shown in a modal window:

- Name:** Batch Upsert bremen\_test
- Description:** created by iLOADER-Script via MHA API
- Enabled:**
- URL:** http://okapi.okapi.svc.cluster.local:9130/
- JSON configuration:**

```
{
  "folioAuthPath": "bl-users/login",
  "folioTenant": "bremen_test",
  "folioUsername": "BreTeAdm",
  "folioPassword": "****censored****",
  "inventoryUpsertPath": "inventory-upsert-hrid",
  "inventoryBatchUpsertPath": "inventory-batch-upsert-hrid",
  "logHistoryStoragePath": "harvester-admin/harvestables/{id}/log/store",
  "folioAuthSkip": "false"
}
```

# Berechtigungen



<input type="checkbox"/>	Harvester admin (Settings): View storage engines, transformation pipelines and transformation steps	Berechtigung
<input type="checkbox"/>	Harvester admin (Settings): View, edit storage engines, transformation pipelines and transformation steps	Berechtigung
<input type="checkbox"/>	Harvester admin (Settings): View, edit, create storage engines, transformation pipelines and transformation steps	Berechtigung
<input type="checkbox"/>	Harvester admin (Settings): View, edit, create, delete storage engines, transformation pipelines and transformation steps	Berechtigung
<input type="checkbox"/>	Harvester admin: View harvestables	Berechtigung
<input type="checkbox"/>	Harvester admin: View jobs and failed records	Berechtigung
<input type="checkbox"/>	Harvester admin: View, edit harvestables, start/stop jobs	Berechtigung
<input type="checkbox"/>	Harvester admin: View, edit, create harvestables, start/stop jobs	Berechtigung
<input type="checkbox"/>	Harvester admin: View, edit, create, delete harvestables, start/stop jobs	Berechtigung
<input type="checkbox"/>	Harvester-Verwaltung: Alle Berechtigungen	Berechtigung

# Exkurs: Löschschutz



- Für
  - Instanzen, die mit einem Bestellsatz verknüpft sind
  - in FOLIO erfasste Bestände und Exemplare
  - Exemplare im Ausleihprozess
- 4 **Statistische Codes** zur Kennzeichnung geschützter Instanzen, Bestände und Exemplare im Katalog: [https://github.com/gbv/folio-referencedata/tree/main/local\\_k10plus/statistical-codes](https://github.com/gbv/folio-referencedata/tree/main/local_k10plus/statistical-codes)
  - “Erwerbung: Instanz noch mit Bestellposten verknüpft”
  - “FOLIO-Bestand: Bestand in FOLIO erfasst (kein K10plus-Exemplar)”
  - “FOLIO-Exemplar: Exemplar(e) in FOLIO erfasst (kein K10plus-Exemplar)”
  - “Ausleihe: Exemplarstatus blockiert Löschung”
- Statistische Codes müssen in FOLIO erfasst und in XLT eingeführt werden
  - Doku: <https://github.com/folio-org/mod-inventory-update?tab=readme-ov-file#statistical-coding-of-delete-protection-events>
  - Beispiel: <https://github.com/indexdata/cbs2folio-transformations/blob/master/pica2instance-new.xsl>



# Ausblick

- Automatisierte Löschung von alten Jobs und fehlgeschlagenen Datensätzen
- Kleinere Verbesserungen der UI
- Hinweis auf Skipped Records (Löschschutz) in der Harvester-Admin-App / Reiter „Jobs“
- CBS2FOLIO - Dokumentation: Work in Progress

The screenshot shows the Atlassian Wiki interface for the 'D-A-CH SIG' space. The top navigation bar is dark red with the 'FOLIO Project' logo and 'Welcome to the FOLIO Wiki' text. A search bar and user profile icons are also visible. The left sidebar contains 'Space settings', 'SHORTCUTS' (with a link to 'Besprechungsnotizen | D-Gruppen'), and 'CONTENT' (with a search box and a list of items including 'Besprechungsnotizen | D-Gruppen', 'D-A-CH -Fachgruppen', and 'Dokumentation'). The main content area displays the page title 'CBS2FOLIO - Dokumentation', ownership information 'Owned by Antje Niemann', and a list of links: 'Allgemeines', 'Übersicht der Verbünde, die CBS2FOLIO einsetzen', 'Installation', 'Berechtigungen des CBS2FOLIO-FOLIO-Users', 'Beschreibung der CBS2FOLIO-Komponenten', 'Löschschutz', and 'Good to Know'. The URL 'https://folio-org.atlassian.net/wiki/x/BoCjC' is shown at the bottom of the screenshot.

<https://folio-org.atlassian.net/wiki/x/BoCjC>



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