

Many Handles Still Not Working

A review of Alma-D objects conducted this summer shows that between 20% to 30% of our object handles DO NOT RESOLVE. I've done quite a bit of investigation and I can find nothing to explain why some objects have valid handles while others do not. It's was suggested in Case 07949018 that the proper sequence of operations to make handle assignments work is...

```
For already existing handles that should be redirected to Primo, it is necessary to
1. Create a set with these records
2. Run the Handle Migration job, using the control number sequence with the prefix used in the existing handles. Even if the records already have handles, this job is needed, as it copies the existing handles from the metadata to the handle identifier in the background.
3. Run the Persistent Handle Identifiers for Digital Resource integration profile on the set, selecting 'Create and Update' as action, and 'Do not add metadata' for the DC METADATA.
```

I've tried this a few times with NO success, except that the jobs I run always tend to report "SUCCESS!"

One More Try

I've identified three objects with the following identifiers, handles and status:

ID	MMS_ID	Handle	Handle Status
grinnell:88	991011589491704641	http://hdl.handle.net/11084/88	Works!
grinnell:99	991011507293904641	http://hdl.handle.net/11084/99	Fails
grinnell:32100	991011507142104641	http://hdl.handle.net/11084/32100	Fails

I have poured over the data for these three objects trying to determine why the handle of one resolves, while the other two do not. Initially all three objects had very similar metadata. I have since edited the record for grinnell:32100 to systematically remove or "correct" metadata that I thought might be causing my inability to assign a handle, but those changes appear to have made no difference.

It should also be noted that objects grinnell:88 and grinnell:99 are VERY SIMILAR in structure, metadata, and digital content. Both are from the same collection, and I believe they were migrated and then assigned handles as part of the same jobs.

Broken Objects In a Set

The two "broken" objects are now part of an itemized set named "Collembola Handle test", set ID 7593466560004641. I'm using this itemized set to try and assign handles using the suggested process that is documented above. The creation of this set should satisfy Step 1 in that process.

Step 2 - Running the Handle Migration Job

I've tried to document this portion of the process in screen capture images.

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Control Number Configuration

BackSave

Sequence List

Sequence Name	Method	Prefix	Next Sequence	Padding
1 Digital.Grinnell Handles	Prefix + Sequence	11084/	1742405379	-

Create a New Sequence

Sequence Name *

Sequence Start *

Method *

Prefix *

Padding

Add Parenthesis

Add Row

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Digital titles ▼ dc:identifier ▼

Run a Job - Select Job to Run

1 ? CancelNext

1 - 2 of 2 Name ▼ Handle

Type : All Source type : All Content type : All

Name	Description	Content Type	Type
1 Export Handles	Update your local Handle server with Alma inventory	Digital title	Export
2 DG Handle Migration	Digital.Grinnell handle migration task	Bibliographic title	DC Application profile 1 normalization

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Digital titles ▼ dc:identifier ▼

Run a Job - Select Set

1 2 3 4 CancelBackNext

1 - 1 of 1 Set name ▼ Collembola

Content Type : All

Name	Type	Content Type	Content Origin	Create Date
2 Collembola Handle test	Itemized	Digital titles	Institution only	09/29/2025 07:34:31 CDT

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Digital titles ▼ dc:identifier ▼

Run a Job - Enter Task Parameters

1 2 3 4 CancelBackNext

Handles Migration Task

HANDLES MIGRATION

Control Number *

Source Field *

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Admin

Digital titles

dc:identifier

Monitor Jobs

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Scheduled

Scheduled Manual Jobs

Running

History

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Job ID

Job Category: All

Job "DG Handle Migration - Collembola Handle test - 09/30/2025 11:35:15 CDT" completed.

View job history

Name	Job Category	Creator	Submit Date	Start Date	Progress	Status	Records processed	Records with exceptions
DG Handle Migration - Collembola Handle test - 09/30/2025 11:35:15 CDT	Repository	000538225	09/30/2025 11:35:49 CDT	09/30/2025 11:35:49 CDT	N/A	Initializing	-	-

Monitor Jobs

Scheduled | Scheduled Manual Jobs | Running | History

1 - 20 of 100 | Job ID | Refresh | Settings

Job Category: All | Status: All | Submit Date Range: 09/29/2025 - 09/30/2025

Name	Process ID	Records processed	Records with exceptions	Job Category	Operator	Submit Date	Start Date	End Date	Status
1 DG Handle Migration - Collembola Handle test - 09/30/2025 11:35:15 CDT	75942393400046...	2	0	Reposit...	000538...	09/30/2025 11:35:49 CDT	09/30/2025 11:35:49 CDT	09/30/2025 11:35:50 CDT	Completed Successfully
2 FDL - Local Files vbn	75942319200046	0	-	Acquisi	System	09/30/2025 11:00:04	09/30/2025 11:20:07	09/30/2025 11:20:18	Completed

Events Report

1 - 2 of 2 | Filter: All | Settings

Event Description	Event Date	Severity	Module	Creator
1 Record 991011507293904641 was skipped. Reason: BIB record MMS ID 991011507293904641 already has a handle identifier 11084/1742400039	09/30/2025 11:35:50 CDT	Information	Repository	System
2 Record 991011507142104641 was skipped. Reason: BIB record MMS ID 991011507142104641 already has a handle identifier 11084/1742400245	09/30/2025 11:35:50 CDT	Information	Repository	System

In the above image note that the system reports both objects were "skipped" because they already have existing handles, but per the report, **THEY ARE NOT THE HANDLES WE SPECIFIED**. It appears that these two objects were assigned handles based on the Control Numbering that Alma provides for **new** objects, **NOT OUR NUMBERING scheme!**

Based on the error messages, if I try opening <http://hdl.handle.net/11084/1742400039> it does indeed resolve to object **grinnell:99**. Likewise, <http://hdl.handle.net/11084/1742400245> does indeed resolve to **grinnell:32100**.

In Case 07949018 I was told that...

The message '.. already has a handle identifier ...' in the job events for the Handle Migration job can be ignored. It will always display this message for the migration of handles.

| It appears to me that THIS is a key symptom of our problem, if not the cause. **How do we override those errant handles to use the meaningful handles that we assigned years ago?????** And how/why did they get assigned to some objects, but not others, in the first place?

Step 3 - Running the Persistent Handle Identifiers Job

I'm certain this will NOT work since I've done this many times before, but here goes...

Configuring: Grinnell College Libraries

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Integration Profile List

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Name Persistent

Q

+

Add Integration Profile

Integration Type: All

Name	Code	Description	Integration Type	Updated By	Status Date	
Persistent Handle Identifiers for Digital Resource	HD	-	Handle	000538225	09/29/2025	...

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Analytics

Integration Profile

Cancel

Save

Persistent Handle Identifiers for Digital Resource

General Information

Actions

Contact Info

HANDLE INTEGRATION DEFINITIONS

Active

Active

Inactive

Control Number

Digital.Grinnell Handles

Set name

Collembola Handle test

X

Action

Create

Create and Update

Target URL

Primo VE

URL Domain Name

grinnell.primo.exlibrisgroup

Primo View

01GCL_INST:GCL

Schedule

Not scheduled

Run

MARC METADATA

Upon Create

Do not add to metadata

MARC Field

024

Field Indicator

7#

Handle Identifier Subfield

a

Handle Identifier Subfield Prefix

Additional Subfield

2

Additional Subfield Value

hdl

DC METADATA

Upon Create

Do not add to metadata

DC Identifier Field Prefix

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Configuring: Grinnell College Libraries

Integration Profile List

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Name Persistent

Add Integration Profile

Integration Type: All

Name	Code	Description	Integration Type	Updated By	Status Date
Persistent Handle Identifiers for Digital Resource	HD	-	Handle	000538225	09/30/2025

Integration Profile

Persistent Handle Identifiers for Digital Resource

General Information Actions Contact Info

Active Active Inactive

Control Number Digital.Grinnell Handles

Set name Collembola Handle test

Action Create Create and Update

Target URL Primo VE URL Domain Name grinnell.primo.exlibrisgroup Primo View 01GCL_INST:GCL

Schedule Not scheduled

Run

MARC METADATA

Upon Create Do not add to metadata

MARC Field 024 Field Indicator 7#

Handle Identifier Subfield a

Additional Subfield 2

Handle Identifier Subfield Prefix

Additional Subfield Value hdl

DC METADATA

Upon Create Do not add to metadata

DC Identifier Field Prefix

MODS METADATA

External system job was successfully submitted. Job ID: 7594242390004641

Expected Results

IF the process worked as intended, the results would be two working handles:

- <http://hdl.handle.net/11084/99>, and
- <http://hdl.handle.net/11084/32100>

Shortly after this workflow was completed I found that these handles **STILL DO NOT RESOLVE**. This is probably because they already have handles that were errantly assigned to them by Alma's process that provides only sequential numeric handles, which is absolutely NOT what we need in this instance.

