

# Resolving DS-3602

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## Problem Summary

Solr statistics records created before DSpace 6.x are still indexed with their legacy id.

The following PR will migrate legacy statistics records to use DSpace 6x UUID values: <https://github.com/DSpace/DSpace/pull/1774>

Because this PR requires a SOLR schema change, we have deferred this fix until DSpace 7x.

## Iterim Solution for DSpace 6x

DSpace 6.0 had some code in place that will search for either a UUID or a legacy id when displaying usage records. This logic was incomplete.

The following PR addresses that issue: <https://github.com/DSpace/DSpace/pull/1782>

Unfortunately, when statistics records are retrieved by facet query separate counts are returned for records indexed by legacyId and records indexed by UUID.

## Item Page

In the following record note that only one bitstream is present.

### A-Guide to the Historical Bioethics Newsletter Collection

Norton, Charles N; Dellasanta, Nicholas



URI: <http://hdl.handle.net/10822/711246>

Date: 2014-11-06

#### Description:

You can request use of this collection by visiting <https://bioethics.georgetown.edu/using-the-library/item-hold-request-form/> and filling out the form.

[Show full item record](#)

#### Files in this item



bioethics newsletter collection  
A Guide to the Historical Bioethics Newsletter Collection

A Guide to the Historical Bioethics Newsletter Collection

PDF  
162.4Kb

A Guide to the Historical Bioethics Newsletter Collection

**Name:** A Guide to the ...  
**Size:** 162.4Kb  
**Format:** PDF

[View/Open](#)

## Usage Statistics

The resulting usage information lists the item twice and the bitstream twice. A modification has been made to annotate the legacy statistics records.

### Statistics

#### Total Visits

Views	
A-Guide ...	6
A-Guide ...(legacy)	1

#### Total Visits Per Month

	January 2017	February 2017	March 2017	April 2017	May 2017	June 2017	July 2017
A-Guide ...	0	0	0	0	0	0	6
A-Guide ... (legacy)	0	0	0	0	0	0	1

#### File Visits

Views	
A Guide to the Historical Bioethics Newsletter Collection.pdf(legacy)	2
A Guide to the Historical Bioethics Newsletter Collection.pdf	1

#### Top country views

Views
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#### Top cities views

Views
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## Item Statistics

```

{
  "responseHeader": {
    "status": 0,
    "QTime": 1,
    "params": {
      "fl": "id",
      "indent": "true",
      "q": "type:2 AND (id:fdb92c32-5312-406a-a1c2-ebe75c743e8b OR id:10)",
      "_": "1501007655254",
      "wt": "json"
    }
  },
  "response": {
    "numFound": 7,
    "start": 0,
    "docs": [
      {
        "id": 10
      },
      {
        "id": "fdb92c32-5312-406a-a1c2-ebe75c743e8b"
      },
      {
        "id": "fdb92c32-5312-406a-a1c2-ebe75c743e8b"
      },
      {
        "id": "fdb92c32-5312-406a-a1c2-ebe75c743e8b"
      },
      {
        "id": "fdb92c32-5312-406a-a1c2-ebe75c743e8b"
      },
      {
        "id": "fdb92c32-5312-406a-a1c2-ebe75c743e8b"
      },
      {
        "id": "fdb92c32-5312-406a-a1c2-ebe75c743e8b"
      }
    ]
  }
}

```

## Bitstream Statistics

```

{
  "responseHeader": {
    "status": 0,
    "QTime": 1,
    "params": {
      "fl": "id,owningItem",
      "indent": "true",
      "q": "type:0 AND bundleName:ORIGINAL AND (owningItem:fdb92c32-5312-406a-a1c2-ebe75c743e8b OR owningItem:10)",
      "_": "1500503770019",
      "wt": "json"
    }
  },
  "response": {
    "numFound": 3,
    "start": 0,
    "docs": [
      {
        "id": 41,
        "owningItem": [
          10
        ]
      },
      {
        "id": 41,
        "owningItem": [
          10
        ]
      },
      {
        "id": "cb850cc2-6124-43bb-ad3f-dc3ed2f740e7",
        "owningItem": [
          "fdb92c32-5312-406a-a1c2-ebe75c743e8b"
        ]
      }
    ]
  }
}

```

A fix for this bug would require changes to the following code. Much of this code is quite old and it appears to need significant refactoring.

<https://github.com/DSpace/DSpace/blob/master/dspace-api/src/main/java/org/dspace/statistics/content/StatisticsDataVisits.java#L204-L399>

I recommend that we create a [new ticket to refactor this code in DSpace 7.x](#). Perhaps the changes for DS-3602 should be merged in the meantime.