

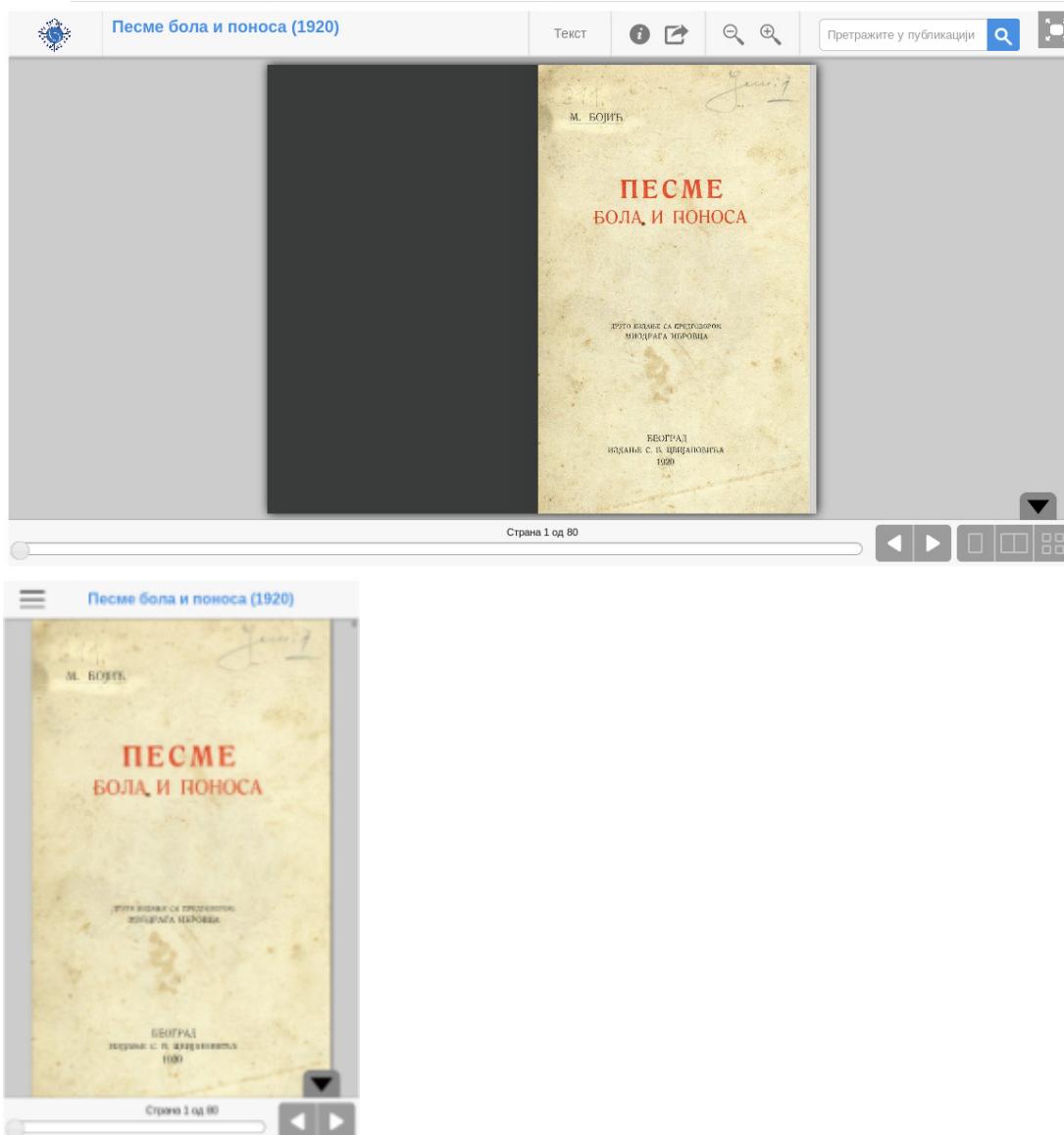
# Islandora Internet Archive Bookreader

## Introduction

A Islandora wrapper for the Internet Archive BookReader.

This module doesn't do much on its own, its assumed that it will be used in conjunction with a solution pack, where it will be provided as a viewer.

Islandora 7.x-1.13 have updated version of IA BookReader (v2) which improve view of books and have adapted version for mobile devices.



## Requirements

This module requires the following modules/libraries:

- [Islandora](#)
- [Islandora Paged Content](#)
- [Libraries API](#)
- [Colorbox](#)
- [Drupal Token Module](#)

And one (1) of the following Image Server options:

- [Djatoka](#)
- [An IIIF Image API compliant Image Sever](#)

This module has the following as optional requirements for certain features:

Allows OCR based search using the Viewer's Search box.

- [Islandora Solr Search](#) (recommended)

## Installation

Install as usual, see [this](#) for further information.

Download the 2.0.2 version of the [Internet Archive BookReader](#) to `sites/all/libraries/bookreader`, or run `drush iabookreader-plugin`. If you are upgrading from the 7.x-1.11 or older version of this module, you will need to replace your old copy of this library. (*Newer versions than 2.0.2 may work but have not been tested.*).

[Internet Archive BookReader Developer documentation](#)

This module requires that you set up either Djatoka or an IIIF Image API compliant Image Sever. For Djatoka please follow the steps outlined at [here](#).

This module requires [Colorbox](#) and its dependant library [Colorbox library](#). Depending on the version of the Colorbox module and library you are using, there can be some issues with Colorbox finding the library. [This](#) comment solves the issue.

Note: If you use the Drush command, it is advisable to Move (not copy) the [install script](#) to your `.drush` folder before running it.

**Important:** This version of IA BookReader was updated to version 2.0.2 and is downloaded from their Github repo. If you made some specific adaptation of BookReader for your Islandora will be lost in v2.

## Configuration

### Common settings

You can setup which 'Solr field relating pages to book PIDs' is used, the amount of 'Overlay Opacity', what content type is to be displayed to final users within the Internet Archive Book Reader Viewer, the 'Default page view' mode and the full screen behaviour for mobile users in Administration » Islandora » Islandora Viewers » Internet Archive BookReader (/admin/islandora/islandora\_viewers/internet\_archive\_bookreader).

### Image server selection

This module is able to use either Adore-djatoka or an IIIF Image API compliant Image Server as source for each book's page image.

#### Adore-djatoka

Djatoka specific options are:

- Compression level (the larger the number, the lower the quality but also the smaller the file size)
- Using an Object's JPG datastream as a backup in case Djatoka cannot return a JP2.

Note: The Adore-djatoka Server URI (Open URL endpoint) must be set from [Islandora Paged Content](#) Solution Pack's admin settings.

**djatoka image compression level**

4

The level of compression djatoka will use when creating images (usually set at 4 or 5).

**Solr field relating pages to book PIDs**

RELS\_EXT\_isMemberOf\_uri\_ms

BookReader needs to know the PID of any book it's searching in, because OCR datastreams are stored in individual pages and not in the book as a whole. This should therefore be set to the page-object-based Solr field that relates it to its parent book's PID.

**Overlay Opacity**

0.5

The opacity of the overlay, when opening the info, fulltext and share dialogs (A number between 0 (fully transparent) and 1 (fully opaque)).

**The content type being displayed within the IAV.**

book

This is what will be displayed in the viewer in places such as the info and share dialogs.

**Default page view**

Single page ▾

The number of pages to display by default

Force the Internet Archive Bookreader into full screen for mobile users?

Use the JPG datastream as a backup

Djatoka will not return JP2s smaller than 4096 bytes; by checking this, the bookreader will run a check and use the JPG datastream instead.  
NOTE: applying this setting can slow the bookreader down, especially for busy sites or large books. Be sure only to use this if necessary.

[Save configuration](#)

**IIIF**

Any [IIIF](#) image server can be used as the IIIF tile source.

The IIIF Image Server Base URL needs to be setup here. This URL can be relative or absolute but needs to be openly accessible to a visiting user (Ajax).

This module provides `Drupal tokens` to allow highly configurable replacement patterns to be used for the `IIIF identifier` creation.

These `IIIF identifier` are send to the IIIF Image server where they are resolved back into URLs that can be accessed by it and used as Source for its tile creation.

This resolvers need to be properly configured at the Image server level. E.g, a [Cantaloupe blocked URL](#) IIIF image server can be configured to resolve these identifiers using the [HttpResolver](#) with no prefix specified.

Islandora also uses temporary authentication tokens to give backend services limited time access to protected resources (Datastreams). You can select if those tokens are passed as part of a `IIIF identifier` or via an HTTP Header.

**Image Server**

IIIF Image Server

Select the image server to use with IA Bookreader

**IIIF IMAGE SERVER SETTINGS**

Settings for IIIF Image Server

**IIIF Image Server Base URL**

iif

The location of the IIIF Image Server.

Add token as header

Instead of sending the token as a query parameter, it will be sent in the X-ISLANDORA-TOKEN header.

**IIIF Identifier**

[islandora\_iareader:url\_token]

**▼ REPLACEMENT PATTERNS**

Click a token to insert it into the field you've last clicked.

NAME	TOKEN	DESCRIPTION
DSID	[islandora_iareader:dsid]	The objects DSID.
PID	[islandora_iareader:pid]	The objects PID.
Token	[islandora_iareader:token]	The token that can be used to access the object in Islandora.
URL	[islandora_iareader:url]	The URL to the object in Islandora.
URL with Token	[islandora_iareader:url_token]	The URL to the object in Islandora with token in the query string.

## Troubleshooting/Issues

Having problems or solved a problem? Check out the Islandora google groups for a solution.

- [Islandora Group](#)
- [Islandora Dev Group](#)

## Maintainers/Sponsors

Current maintainers:

- [Pat Dunlavey](#)

## Development

If you would like to contribute to this module, please check out [CONTRIBUTING.md](#). In addition, we have helpful [Documentation for Developers](#) info, as well as our [Developers](#) section on the [Islandora.ca](#) site.