

General Settings in DSpace

Spoken Tutorial Project

<https://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in>

NVLI Team

IIT Bombay

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Learning Objectives



Learning Objectives

We will learn to:



Learning Objectives

We will learn to:

- ▶ **Index the full text of Item files**



Learning Objectives

We will learn to:

- ▶ **Index the full text of Item files**
- ▶ **Generate a thumbnail for the Item files**



Learning Objectives

We will learn to:

- ▶ **Index the full text of Item files**
- ▶ **Generate a thumbnail for the Item files**
- ▶ **Enable User Interface language switcher**



Learning Objectives

- ▶ **Localize the User Interface of DSpace**



System Requirement

This tutorial is recorded using



System Requirement

This tutorial is recorded using

▶ Ubuntu Linux OS 18.04



System Requirement

This tutorial is recorded using

- ▶ **Ubuntu Linux OS 18.04**
- ▶ **DSpace version 6.3**



System Requirement

This tutorial is recorded using

- ▶ **Ubuntu Linux OS 18.04**
- ▶ **DSpace version 6.3**
- ▶ **gedit text editor**



System Requirement

This tutorial is recorded using

- ▶ **Ubuntu Linux OS 18.04**
- ▶ **DSpace version 6.3**
- ▶ **gedit text editor**
- ▶ **Firefox web browser**



Pre-requisites

To practice this tutorial, you should have



Pre-requisites

To practice this tutorial, you should have

- ▶ **A working internet connection**



Pre-requisites

To practice this tutorial, you should have

- ▶ **A working internet connection**
- ▶ **Installed DSpace 6.3 on your system**



Pre-requisites

To practice this tutorial, you should have

- ▶ **A working internet connection**
- ▶ **Installed DSpace 6.3 on your system**
- ▶ **Tomcat services should be running**



Pre-requisites

- ▶ **Some archived** Items in the Collection



Pre-requisites

- ▶ **Some archived Items in the Collection**
- ▶ **If not then please go through the prerequisite tutorials on <https://spoken-tutorial.org>**



Code files

- ▶ **The files used in this tutorial are available in the Code Files link on this tutorial page**



Code files

- ▶ **The files used in this tutorial are available in the Code Files link on this tutorial page**
- ▶ **Please download and extract the file before practising**



Search in DSpace

- ▶ DSpace **offers a Search feature for searching Items by keyword**



Search in DSpace

- ▶ DSpace **offers a Search feature for searching Items by keyword**
- ▶ **By default, DSpace indexes the metadata of the Items and uses it for Search**



Search in DSpace

- ▶ **Items are searchable if the keyword is available in the Index. i.e. the Metadata**



Full text Indexing of Items

- ▶ **DSpace can also index the full text from Item files using add-on Media Filters**



Full text Indexing of Items

- ▶ DSpace can also index the full text from Item files using add-on Media Filters
- ▶ Full text indexing makes the Item searchable with any word in the Item file



Media Filters

Media Filters **can extract text from the following formats**



Media Filters

Media Filters **can extract text from the following formats**

- ▶ Adobe PDF (**only if text-based or OCRed**)



Media Filters

Media Filters **can extract text from the following formats**

- ▶ Adobe PDF (**only if text-based or OCRed**)
- ▶ **A Document, Spreadsheet, Presentation**



Media Filters

▶ Plain Text



Media Filters

- ▶ **Plain Text**
- ▶ HTML



Media Filters

- ▶ **Additionally, the Media Filters generate Thumbnails for the Bitstreams/Item Files**



Multilingual DSpace

- ▶ **The default User Interface language of DSpace is set to English**



Multilingual DSpace

- ▶ **The default** User Interface language of DSpace **is set to English**
- ▶ DSpace can be configured to add other languages and provide a multilingual User Interface, too



Localization of Messages.properties

- ▶ **Messages.properties file contains the textual content of DSpace UI**



Localization of Messages.properties

- ▶ Messages.properties **file contains the textual content of** DSpace UI
- ▶ DSpace UI **can be localized by translating** Messages.properties **file**



Localization of Messages.properties

- ▶ **A localized properties file is renamed as follows**

Messages_< ISO 639-1 code of language>.properties



Localization of Messages.properties

- ▶ **A localized properties file is renamed as follows**

Messages_< ISO 639-1 code of language>.properties

- ▶ **For Example,**

Messages_hi.properties



Summary

In this tutorial we learnt to:

- ▶ **Index the full text of Item files**
- ▶ **Generate a thumbnail for the Item files**
- ▶ **Enable User Interface language switcher**
- ▶ **Localize User Interface of DSpace**



Assignment

- ▶ **Enable full text search for all the archived Items in DSpace**
- ▶ **Localize DSpace in any language of your choice**



About the Spoken Tutorial Project

- ▶ **Watch the video available at**
[https://spoken-tutorial.org/
What_is_a_Spoken_Tutorial](https://spoken-tutorial.org/What_is_a_Spoken_Tutorial)
- ▶ **It summarises the Spoken Tutorial project**
- ▶ **If you do not have good bandwidth, you can download and watch it**



Spoken Tutorial Workshops

The Spoken Tutorial Project Team:

- ▶ Conducts workshops using Spoken Tutorials
- ▶ Gives certificates to those who pass an online test

For more details, please write to
contact@spoken-tutorial.org



Answers for THIS Spoken Tutorial

- ▶ **Questions in THIS Spoken Tutorial?**
- ▶ **Visit**
`https://forums.spoken-tutorial.org/`
- ▶ **Choose the minute and second where you have the question**
- ▶ **Explain your question briefly**
- ▶ **The Spoken Tutorial project will ensure an answer**

You will have to register to ask questions



Acknowledgements

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Acknowledgements

- ▶ **DSpace spoken tutorial series is supported by National Virtual Library of India, Ministry of Culture, Government of India**
- ▶ **More information on this mission is available at**
www.indianculture.gov.in

