

# 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



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**We will learn to:**



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**We will learn to:**

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



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**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**



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**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 OCR'd**)



# 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](mailto: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

- ▶ **Spoken Tutorial project is funded by Ministry of Education (MoE), Government of India**



# 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](http://www.indianculture.gov.in)

