

# Batch Import of Items

**Spoken Tutorial Project**

**<https://spoken-tutorial.org>**

**National Mission on Education through ICT**

**<http://sakshat.ac.in>**

**NVLI Team**

**IIT Bombay**

**August 3, 2020**



# Learning Objectives



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**We will learn to:**



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**We will learn to:**

▶ **Set up** SAFBuilder



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**We will learn to:**

- ▶ **Set up** SAFBuilder
- ▶ **Create a Simple Archive Format**



# Learning Objectives

**We will learn to:**

- ▶ **Set up** SAFBuilder
- ▶ **Create** a Simple Archive Format
- ▶ **Do a batch import of** Items **into a** Collection



# System Requirement

**This tutorial is recorded using**



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**This tutorial is recorded using**

**► Ubuntu Linux OS 18.04**





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**This tutorial is recorded using**

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



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- ▶ **Ubuntu Linux OS 18.04**
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- ▶ **Firefox web browser**



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



# Pre-requisites

**To practice this tutorial, you should have**



# Pre-requisites

**To practice this tutorial, you should have**

- ▶ **A working network connection**



# Pre-requisites

To practice this tutorial, you should have

- ▶ A working network connection
- ▶ Installed DSpace 6.3 on your system



# Pre-requisites

To practice this tutorial, you should have

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



# Pre-requisites

- ▶ Administrator's **authority** in the DSpace





# Pre-requisites

- ▶ Administrator's **authority** in the DSpace
- ▶ **Created** Collection in the Community



# Pre-requisites

- ▶ Administrator's **authority** in the DSpace
- ▶ **Created** Collection in the Community
- ▶ If not then please go through the prerequisite tutorials on <https://spoken-tutorial.org>



# Pre-requisites

**To follow this tutorial, you should also have**



# Pre-requisites

**To follow this tutorial, you should also have**

- ▶ **The knowledge of Library Science**



# Pre-requisites

**To follow this tutorial, you should also have**

- ▶ **The knowledge of** Library Science
- ▶ **A familiarity with** Dublin Core metadata standard



# 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 practicing



# Batch Import Feature

- ▶ Batch import feature facilitates the upload of a large number of Items, simultaneously





# Batch Import Feature

- ▶ Batch import **feature facilitates the upload of a large number of Items, simultaneously**
- ▶ DSpace administrator **is authorized to use the Batch Import feature**



# Batch Import Feature

- ▶ Items **uploaded using** Batch Import **are directly archived**



# Batch Import Methodology

- ▶ **Basically, metadata for each Item is entered in a spreadsheet along with a filename**



# Batch Import Methodology

- ▶ **Basically, metadata for each Item is entered in a spreadsheet along with a filename**
- ▶ **Then we have to compress the spreadsheet and Item files into a zip file using SAFBuilder**



# Batch Import Methodology

- ▶ Using administrator authority, we have to upload the zip file



# Batch Import using SAFBuilder

- ▶ **To import a batch of Items,**  
DSpace **requires** Items **in the**  
Simple Archive Format **i.e.** SAF



# Batch Import using SAFBuilder

- ▶ **To import a batch of Items,**  
DSpace **requires** Items **in the**  
Simple Archive Format **i.e.** SAF
- ▶ **SAFBuilder is the tool that is used**  
**to create the Simple Archive**  
**Format**



# Setting up SAFBuilder

- ▶ SAFBuilder is an add-on tool, which can be set up for any Ubuntu Linux user





# Setting up SAFBuilder

- ▶ SAFBuilder **is an add-on tool, which can be set up for any Ubuntu Linux user**
- ▶ **Manual to set up SAFBuilder on Windows is provided as Additional Reading Material on this tutorial page**



# Simple Archive Format



# Simple Archive Format

**The archive contains one subdirectory  
per Item**



# Simple Archive Format

**The archive contains one subdirectory per Item**

▶ `dublin_core.xml` **file**



# Simple Archive Format

**The archive contains one subdirectory per Item**

- ▶ dublin\_core.xml **file**
- ▶ **Files that come along with the Item**



# Simple Archive Format

**The archive contains one subdirectory per Item**

- ▶ dublin\_core.xml file
- ▶ **Files that come along with the Item**
- ▶ Contents file, which consists of a **list of filenames**



# Summary

**In this tutorial we learnt to:**

- ▶ **Set up** SAFBuilder
- ▶ **Create** a Simple Archive Format
- ▶ **Do a batch import** Items **into a** Collection



# Assignment

- ▶ **Create a metadata spreadsheet for Article3.pdf and Article4.pdf**
- ▶ **Use metadata provided in the Code Files for Article3.pdf and Article4.pdf**





# Assignment

- ▶ **Upload** Article3.pdf **and** Article4.pdf **in** Article Collection **using** batch import



# 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**



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

