

# DSpace Statistical Report Configuration

**Spoken Tutorial Project**

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

**National Mission on Education through ICT**

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

**NVLI Team**

**IIT Bombay**

**July 27, 2021**



# Learning Objectives



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**We will learn to:**



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**We will learn to:**

- ▶ **Generate a statistics report**



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- ▶ **Generate a statistics report**
- ▶ **Schedule the generation of a statistics report**



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**We will learn to:**

- ▶ **Generate a statistics report**
- ▶ **Schedule the generation of a statistics report**
- ▶ **Display the number of Item submissions in Communities and Collections**



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



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- ▶ **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 service should be running**



# Pre-requisites

- ▶ **Have archived Items in the Collections**



# Pre-requisites

- ▶ **Have archived Items in the Collections**
- ▶ **Have administrator's authority in DSpace Collection**



# Pre-requisites

- ▶ **Have archived** Items in the Collections
- ▶ **Have** administrator's **authority** in DSpace Collection
- ▶ **If not then please go through the prerequisite tutorials on**  
<https://spoken-tutorial.org>



# Code files

- ▶ **The commands used in this tutorial are in a file in the Code Files link on this tutorial page**



# Code files

- ▶ **The commands used in this tutorial are in a file in the Code Files link on this tutorial page**
- ▶ **Please download and extract the file before practicing**



# DSpace statistics

DSpace **offers a basic web** statistics **package and offers the following** statistics



# DSpace statistics

DSpace **offers a basic web statistics package and offers the following statistics**

- ▶ **Information on page views**



# DSpace statistics

DSpace **offers a basic web statistics package and offers the following statistics**

- ▶ **Information on page views**
- ▶ **Searches performed**



# DSpace statistics

DSpace **offers a basic web statistics package and offers the following statistics**

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- ▶ **Searches performed**
- ▶ **User logins**



# DSpace statistics

DSpace **offers a basic web statistics package and offers the following statistics**

- ▶ **Information on page views**
- ▶ **Searches performed**
- ▶ **User logins**
- ▶ **Errors and warnings**



# DSpace statistics

- ▶ **By default, DSpace doesn't generate statistics reports**



# DSpace statistics

- ▶ **By default, DSpace doesn't generate statistics reports**
- ▶ **Statistics reports are generated by running scripts**



# DSpace statistics

- ▶ **Scripts generate statistics reports by parsing DSpace logs**



# DSpace statistics

- ▶ **Scripts generate** statistics reports by parsing DSpace logs
- ▶ **Scripts can be run manually or as a scheduled job**



# DSpace statistics

- ▶ **Scripts generate** statistics reports by parsing DSpace logs
- ▶ **Scripts can be run manually or as a scheduled job**
- ▶ **Statistics reports can be accessed only by the DSpace Administrator**



# DSpace Statistics reports

**DSpace offers facilities to generate the following types of reports**



# DSpace Statistics reports

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- ▶ Initial Report: By default, monthly report for each month from January 2005



# DSpace Statistics reports

DSpace offers facilities to generate the following types of reports

- ▶ Initial Report: **By default, monthly report for each month from January 2005**
- ▶ **Starting month and year are configurable in the `dstat.cfg` file**



# DSpace Statistics reports

- ▶ **Monthly Report: Monthly report for the current month**



# DSpace Statistics reports

- ▶ **Monthly Report: Monthly report for the current month**
- ▶ **General Report: Aggregated report of all the months**



# Crontab in Linux

- ▶ **The format of Crontab is**  
Minute Hour DayOfMonth Month  
DayOfWeek Command



# Crontab in Linux

<b>Crontab field</b>	<b>Allowed Value</b>
<b>Minute</b>	<b>0 to 59</b>
<b>Hour</b>	<b>0 to 23</b>
<b>Day of Month</b>	<b>1 to 31</b>
<b>Month field</b>	<b>1 to 12</b>
<b>Day Of Week</b>	<b>0 to 6</b>



# Summary

In this tutorial we learnt to:

- ▶ **Generate a statistics report**
- ▶ **Schedule the generation of a statistics report**
- ▶ **Display the number of Item submissions in Communities and Collections**



# Assignment

- ▶ **Generate** initial, monthly and general statistics **reports**
- ▶ **Configure and display the number of Item submissions in Communities and Collections**



# 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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- ▶ **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)

