

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



Learning Objectives

We will learn to:



Learning Objectives

We will learn to:

- ▶ **Generate a statistics report**



Learning Objectives

We will learn to:

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



Learning Objectives

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



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 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**

- ▶ **Information on page views**
- ▶ **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

DSpace offers facilities to generate the following types of reports

- ▶ **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

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



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



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

