



Using LibreOffice BASE

Welcome

Stan Reichardt
stanr@sluug.org



Introduction



Stan Reichardt

GNU/Linux for Beginners

Brought to you by the

NewLinux Linux Users Group

<http://www.newlinux.org/>

A Special Interest Group of the

St. Louis Unix Users Group (SLUUG)

<http://www.sluug.org/>





All about me

- I started a beginner friendly user group for Linux newcomers **formerly** known as the Hazelwood Linux Users Group (<http://hzwlug.sluug.org>) in November 2000. Also, I am currently Vice-President of the St. Louis Unix Users Group. Both groups meet monthly. Membership and meetings are free.
- My start was around hobby computers back in the 1970's while on Active Duty with the U. S. Army Reserve. My interest became professional and over the next 10 years work included networked mini-computer systems, desktop PCs, help desk support for desktop users, data base programming, Unix System Administration, bulletin boards and more. I retired from Active Duty as an Information Systems Chief out of the U. S. Army Reserve Command.
- Contract work followed doing Software Deployment for the U. S. Postal Service, UNIX System Administration for U. S. Army Material Command, Linux Subject Matter Expert for Wave Technologies International, Senior Security Engineer auditing and evaluating security assessments for the U. S. Veterans Administration.
- I have received Linux +, and Security + certifications from CompTIA, the IT Industry Trade Association. That was years back.



Goal

Why use LibreOffice BASE?

Here is a better introduction to LibreOffice BASE:

Introduction to Databases: LibreOffice Base Tutorial

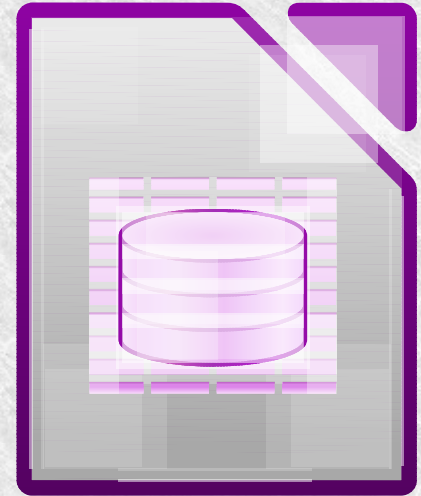
<https://www.youtube.com/watch?v=lhRJFgDG-5o&t=2s>

- Demonstration may show why you should use it
- You may see the ease, features, power and usability of it



LibreOffice BASE

- https://en.wikipedia.org/wiki/LibreOffice_Base
- Part of LibreOffice office suite
 - Cross platform FreeBSD, Linux, macOS, MS Windows
 - Compatibility relatively similar to Microsoft Access





Embedded and External

- Able to work with both embedded and external database files
 - Embedded
 - Java based HSQLDB (default)
 - C++ based **Firebird** (experimental)
 - External
 - Access Database Engine (Microsoft)
 - MySQL, MariaDB
 - PostgreSQL
 - ODBC/JDBC data sources (standard API / Java connectivity)



External

- Able to work with external database files
- BEYOND THIS DEMONSTRATION (Not covered by me)



Embedded

- Uses embedded HSQLDB (HyperSQL Database)
- Migration from HSQLDB to Firebird
 - 2018 Aug ~ LO 6.1 Firebird experimental option
 - 2019 Feb ~ LO 6.2 Firebird default option
 - 2020 Feb ~ LO 6.4.1 Firebird reverted back to experimental



Usability Features

- Graphical User Interface (GUI)
 - 4 Main tools: Tables, queries, forms and reports
 - Software Wizards to assist users
- Designed for users to easily manipulate databases and their data:
 - Create
 - Access
 - Modify
 - View
- ★ Registration means working with rest of LibreOffice Suite (recommended)



References

- https://en.wikipedia.org/wiki/LibreOffice_Base
- <https://en.wikipedia.org/wiki/HSQLDB> (embedded default)
- Introduction to Databases: LibreOffice Base Tutorial
- <https://www.youtube.com/watch?v=1hRJFgDG-5o&t=2s>
- ★ Download Java ~ Needed by LO Base embedded default
 - <https://java.com/en/download/manual.jsp> ~ if not already included



References (Additional)

- <https://TheFrugalComputerGuy.com/> (94 videos)
- <https://www.youtube.com/watch?v=jWU0WdMJ2Kw> (1st video)
- You can find the YouTube Playlist to above at:
- <https://www.youtube.com/playlist?list=PLy7Kah3WzqrEerJ0VPNWVaR4CYHMr4wmV>
- Learn Database Normalization - 1NF, 2NF, 3NF, 4NF, 5NF
- https://www.youtube.com/watch?v=GFQaEYEc8_8



SLUUG Sponsored Groups

- *Loosely Affiliated Special Interest Groups*



STLLINUX ~ Saint Louis Linux User Group

- <https://stllinux.org>



SLACC ~ Saint Louis Area Computer Club

- <https://slacc.org/>



NEWLINUX ~ NewLinux Linux User Group

- <https://newlinux.org/>



Demonstrations

- Will cover two databases used by SLUUG Steering Committee
 - Attendance
 - Planning Schedule
- Will try to cover both (depends on available time)



Attendance

- Used to track event attendance (individuals and totals)
- Used to qualify members for annual balloting
- Latest LibreOffice BASE Attendance database
- <https://www.sluug.org/steercom/attendance.odt>



Planning Schedule

- Used to confirm, plan and schedule available meeting topics
- Historical record of completed tutorials and presentations
- Latest LibreOffice BASE Planning Schedule Report
- <https://www.sluug.org/planning.pdf>
- Latest LibreOffice BASE Planning Schedule database
- <https://www.sluug.org/steercom/planning.odt>



Questions

Why use LibreOffice BASE?

What are your Questions?

Stan Reichardt

stanr@sluug.org