

Three Very Useful Open Source SQL Editors

by Mpumelelo Msimanga  MVB · Apr. 18, 14 · Database Zone

MariaDB TX, proven in production and driven by the community, is a complete database solution for any and every enterprise — a modern database for modern applications.



This is an update to Two very useful open source SQL editors. A year later and I have added one more SQL editor to my first list. I keep this post updated to give context to lists of Open Source SQL front ends such as this one Open Source SQL Clients in Java and Squirrel SQL Alternatives. I constantly try Open Source SQL front-ends and this post

includes the ones I think you should seriously consider.

Working in Business Intelligence (BI), I write and execute SQL statements every day. Actually it is more like every other minute. The SQL tool I use is very important to me. Over the years I have mainly stuck to Squirrel SQL Client and wandered off every once in a while to try out different tools. One thing is for sure, no one tool will have everything you need. At some point you have to make a choice based on the

Don't be fooled by the dated screen shots on the web pages, these tools look better than that. They are incredibly feature filled tools that with some learning will meet you SQL development needs. Each tool needs a series of blog posts to do justice to the available features. Here are some features technical and not technical that they have in common that have led me to recommend these tools.

Non-Technical Reasons

- Open Source Software, all three are free for commercial use. The source code is available for those with the necessary skills to debug or contribute features.
- All under active development with regular releases. Probably about a build (new version) a month. I use the latest testing version but stick to the stable versions. For the faint at heart stick to the stable release version.



- Active forums, community members and experts, to some degree answer some questions and help with problems.
- The DZone Guide to Microservices: Breaking Down the Monolith**
 - An API-First Approach for Microservices on Kubernetes
 - Cross-platform, all applications run on different platforms, Windows, Linux and Mac, due to the Akka Typed Actor-Based Framework
 - Explore the Most Common Patterns for Microservices

Technical Reasons

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- JDBC used for database connectivity, which means that 99.9999% of the time you will be able to connect to any database. Most databases provide a JDBC driver.
- Data explorer component from all products are quite customisable. It is possible to customise the schema's that display, customise the SQL statements generated such as the INSERT, UPDATE or DDL statements created.
- Data import and export wizards for data in various formats including CSV, Microsoft Excel formats XLS and XLSX.
- All the tools keep SQL history. You can customise how many statements are kept in history.

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MariaDB



Diving Into Database DevOps

by Sarah Davis · Feb 25, 18 · Database Zone

1. NoSQL Simplifies Database DevOps by Arun Gupta. Learn how NoSQL's approach to schema flexibility, impedance mismatches, and flexibility give it a leg up when implementing DevOps.
2. Driving DevOps for the Database by Yaniv Yehuda. See an example of how to implement tools to get Dev and Ops on the same page when it comes to making changes to a database.
3. Bringing DevOps to the Database, Part 1: Version Control by Matt Hilbert. In the first of this two-part series, learn how applying DevOps thinking to database leads to a leaner and faster development process.
4. Bringing DevOps Practices to Database Administrators [Audio] by Chris Ward. In this podcast interview, learn how Datical is bringing easy-to-use tools inspired by DevOps practices to the traditionally messy world of enterprise databases.
5. Four DevOps Tools for the Database You Can't Live Without by Robert Reeves. You can't buy DevOps, but these DevOps tools for database development and release automation can help solve bottlenecks in your process.

PS: Are *you* interested in contributing to DZone? It's easier than ever! Check out our Bounty Board, where you can apply for specific writing prompts and win prizes!

Database DevOps in Detail

Yeah, DZone's great and all, but there are plenty of helpful resources from elsewhere on the web to guide you along your database DevOps journey.

- *DevOps for Developers* by Michael Hüttermann. This book has been described as a must-read for database administrators. Check it out for a practical, thorough introduction to approaches,

changes to Azure.



Dive Deeper Into Database DevOps

DZone has Guides and Refcardz on pretty much every tech-related topic, but if you're specifically interested in database DevOps, check out these resources.

1. The DZone Guide to Databases: Speed, Scale, and Security. Advances in database technology have traditionally been lethargic. That trend has shifted recently with a need to store larger and more dynamic data. This DZone Guide is focused on how to prepare your database to run faster, scale with ease, and effectively secure your data.
2. DevOps for Database. In this recently published Refcard, learn the key best practices that your DevOps database solution should meet in order for you to get the most out of your investment.

Learn how to get 20x more performance than Elastic by moving to a Time Series database.

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