

Feature comparison table

The following table contains a detailed feature comparison of dbForge Studio for MySQL v10.0.150 (Enterprise Edition) and phpMyAdmin v 5.2.1. For quick navigation, please use the side menu.

SQL Editing and Execution	dbForge Studio for MySQL	phpMyAdmin
SQL editor with syntax coloring	✓	✓
Automatic SQL syntax check	✓	✓
Code outlining	✓	✗
Code snippets	✓	✗
Customizable SQL formatting and code beautifier	✓	✗
Execute current statement	✓	✗
Quick access to favorite templates from SQL Editor	✓	✗
Bookmarks	✓	✓
Text search	✓	✓
Document Outline window for quick navigation through large scripts	✓	✗
One-step access to the database object editor from the code ("Go to definition")	✓	✗
SQL history	✓	✓

Execution warnings	✓	✓
GUI transaction support	✓	✗

Code Completion	dbForge Studio for MySQL	phpMyAdmin
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Code snippets and Snippet Manager	✓	✗
Context-sensitive code completion	✓	✓
One-click access to definitions of schema objects	✓	✗
On-the-fly renaming of database objects	✓	✗
Extended options for code formatting	✓	✗
Auto-generation of table aliases	✓	✗
Quick information about database objects	✓	✗
Parameter information for stored routines	✓	✗
JOIN clause auto-generation	✓	✗

Visual Query Builder	dbForge Studio for MySQL	phpMyAdmin
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Support for the SELECT statement	✓	✓
Support for the INSERT, UPDATE, and DELETE statements	✓	✗

State-of-the-art diagram with zooming and keyboard support	✓	✗
Diagram preview and printing	✓	✗
Visual addition of sub-queries to any part of the main query	✓	✗
Query outline (displayed in the Document Outline window)	✓	✗
Visual editing of sub-queries	✓	✗
Expression builder for creating complex conditions	✓	✓
Drag-and-drop required tables	✓	✗
Copy/Paste for tables on the diagram	✓	✗
Undo/Redo support	✓	✓

Database Design

dbForge Studio for MySQL

phpMyAdmin

Visual Database Designer	✓	✓
Visualization of tables, views, stored procedures, and functions	✓	✓ ⓘ
Easy access to database objects for viewing their properties	✓	✓
Support for IDEF1X and IE notations	✓	✗
Customizable diagram view with skin support	✓	✗

Smart ER diagram layout	✓	✗
Diagram export to different image formats	✓	✓
Search for database objects on the diagram	✓	✓
Organizing diagram shapes with containers	✓	✗
Customizable diagram printing with a rich set of options	✓	✗
Optional displaying of table constraints, indexes, and triggers	✓	✗
Integration with the Document Outline window	✓	✗
Diagram navigation with the Diagram Overview window	✓	✗
Notes for adding your comments to the diagram	✓	✗
Zooming in/out	✓	✓
Save/Load diagram	✓	✓

Table Designer	dbForge Studio for MySQL	phpMyAdmin
Flat table editor	✓	✓
Convenient editor for foreign keys	✓	✗
Partitioning	✓	✓

Full-text search on the column grid	✓	✓
Preview of schema changes	✓	✓
Heuristics that helps define the data type of new columns	✓	✗

Object Editor

dbForge Studio for MySQL

phpMyAdmin

Check constraints	✓	✓
Events	✓	✓
Indexes	✓	✓
Stored functions	✓	✓
Stored procedures	✓	✓
Tables	✓	✓
Triggers	✓	✓
Views	✓	✓
Undo option for the object editor	✓	✓

MySQL Debugger

dbForge Studio for MySQL

phpMyAdmin

Script debugging	✓	✗
Step Into, Step Over, and Step Out commands for step-by-step execution	✓	✗
Breakpoints for procedures, functions, triggers, and scripts	✓	✗

Breakpoints window	✓	✗
Call Stack window with navigation	✓	✗
Watches window for variable evaluation	✓	✗

Database Explorer

dbForge Studio for MySQL

phpMyAdmin

Multiple database connections	✓	✓
Browse and navigate through objects	✓	✓
Detailed object properties and data browsing in the Object Viewer window	✓	✓
Dependency tree browsing for each object	✓	✗
Quick template script generation for selected objects: SELECT, INSERT, etc.	✓	✗
'Send To' command for quick sending of tables to Query Builder, Data Report, and other tools	✓	✗
Refactoring of database objects	✓	✗

Data Editor

dbForge Studio for MySQL

phpMyAdmin

Copying data with column headers for quick pasting to spreadsheets	✓	✓
Custom data filters of any complexity	✓	✗

Data Viewer window for browsing images, RTF, and binary cell values	✓	✗
Date/time editor with a visual interface	✓	✓
Foreign key lookup editor for easy editing of fields referencing other tables	✓	✗
Free copying of any block of data to the clipboard	✓	✗
Full-text search (Ctrl+F) in the data grid	✓	✓
Graphical card view	✓	✗
Grouping by arbitrary columns	✓	✗
Incremental search (Ctrl+I) through the data grid	✓	✓
Large objects (LOB) editor	✓	✗
Multi-table query result set editing	✓	✓
Paginal data browsing for large result sets	✓	✓
Data printing	✓	✓
Quick filter for each data cell	✓	✓
Record numbering option	✓	✗
Read-only state indication	✓	✗
Chart building directly from the data	✓	✓

editor

Visible column picker



Schema/Data Comparison and Synchronization

dbForge Studio for MySQL

phpMyAdmin

Comparison and synchronization of data in databases of virtually any size



Comparison of tables, views, procedures, functions, and triggers



Support for custom comparison keys



Filtering of comparison results



Generation of data synchronization scripts



Viewing of data differences per record



Exclusion of tables and records from synchronization



Saving and loading of comparison settings



Command-line interface for data comparison and synchronization



Generation of accurate comparison reports in HTML and Excel formats



Generation of comments



Specific options for tables, script objects, triggers, indexes, and



constraints

Inclusion and exclusion of objects by mask



Save as Command Line



Data Export

dbForge Studio for MySQL

phpMyAdmin

CSV



XML



TXT



XLS



XLSX



PDF



DBF



HTML



RTF



JSON



Google Sheets



MDB (Access)



ODBC



SQL



Export from multiple tables at once	✓	✓
Export from the command line	✓	✗
Export templates	✓	✓

Data Import	dbForge Studio for MySQL	phpMyAdmin
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CSV	✓	✓
XML	✓	✓
TXT	✓	✗
XLS	✓	✗
XLSX	✓	✗
DBF	✓	✗
JSON	✓	✗
Google Sheets	✓	✗
MDB (Access)	✓	✗
ODBC	✓	✗
Import data from the command line	✓	✗
Import templates	✓	✓

Database Projects	dbForge Studio for MySQL	phpMyAdmin
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New project wizard with import from	✓	✗
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an existing database

Project Explorer window for managing project files



Schema View window for browsing logical project structures



Project export into one of the multiple scripts



Multiple build configurations



Single-click project deployment on the server



Workspace saving



Comparison of a live database with a project



Data Analysis

dbForge Studio for
MySQL

phpMyAdmin

Display of table data representing parent-child dependencies (Master-Detail Browser)



Data report generation wizard



Data report designer



Pivot table designer



Chart building wizard



Data search on a live database



Automated report generation and distribution from the command line	✓	✗
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Reports: Save Command Line	✓	✗
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Database diagrams	✓	✓
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Source Control

dbForge Studio for
MySQL

phpMyAdmin

Integration with Git, GitHub, SVN	✓	✗
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Shared and dedicated database development models	✓	✗
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Conflict resolution: Get Local and Get Remote	✓	✗
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Version control of static data	✓	✗
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History of changes	✓	✗
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Performance Tuning

dbForge Studio for
MySQL

phpMyAdmin

Visual SQL explain plan	✓	✗
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Session statistics	✓	✓
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Query plan displayed in the tree view	✓	✗
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Profiling history that can be saved for further analysis	✓	✗
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Comparison of profiling results with highlighted differences	✓	✗
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Printing of profiling results	✓	✗
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Data Generation	dbForge Studio for MySQL	phpMyAdmin
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Support for all MySQL column data types	✓	✗
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Multiple generators with data customization	✓	✗
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SQL data integrity support	✓	✗
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Multiple ways to populate data	✓	✗
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Meaningful generators	✓	✗
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User-defined generators	✓	✗
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Real-time preview of generated data	✓	✗
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Data Generation: Save Command Line	✓	✗
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Database Documenter	dbForge Studio for MySQL	phpMyAdmin
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Broad picture of database structure	✓	✗
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Rich customization features	✓	✗
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HTML format	✓	✗
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PDF format	✓	✗
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Markdown format	✓	✗
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Documentation customization with	✓	✗
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style templates

Viewing of inter-object and inter-database dependencies	✓	✗
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Database Documenter: Save Command Line (https://www.devart.com/)	✓	✗
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Administration	dbForge Studio for MySQL	phpMyAdmin
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Copy databases	✓	✓
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Backup and recovery	✓	✗
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Database backup to SQL and ZIP	✓	✗
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Database backup as a scripts folder	✓	✗
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Backup: Save Command Line	✓	✗
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Overview (/dbforge/mysql/studio/)	Features (/dbforge/mysql/studio/features.html)	Resources (/c
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User and Session Management	dbForge Studio for MySQL	phpMyAdmin
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Security Manager to administer user accounts and privileges	✓	✗
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Session Manager for monitoring active MySQL server connections and tracing user sessions	✓	✓
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User Interface	dbForge Studio for MySQL	phpMyAdmin
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Start Page with quick access to main features	✓	✗
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